HAZARD RANKING SYSTEM (HRS) PACKAGE
WAPPINGER CREEK
DOWNSTREAM OF WAPPINGERS FALLS
WAPPINGER FALLS, NY

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Prepared by:
Weston Solutions, Inc.
Edison, New Jersey 08837

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Department of Environmental Conservation

Division of Environmental Remediation

Record of Decision

Three Star Anodizing Site
Operable Unit No. 1
Wappingers Falls
Dutchess County, New York
Site Number 314058

March 2009

New York State Department of Environmental Conservation
David A. Paterson, *Governor* Alexander B. Grannis, *Commissioner*

DECLARATION STATEMENT - RECORD OF DECISION

Three Star Anodizing Inactive Hazardous Waste Disposal Site
Operable Unit No. 1
Wappingers Falls, Dutchess County, New York
Site No. 314058

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedy for Operable Unit 1 of the Three Star Anodizing site, a Class 2 inactive hazardous waste disposal site. The selected remedial program was chosen in accordance with the New York State Environmental Conservation Law and is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300), as amended.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for Operable Unit 1 of the Three Star Anodizing inactive hazardous waste disposal site, and the public's input to the Proposed Remedial Action Plan (PRAP) presented by the Department. A listing of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened releases of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential significant threat to public health and/or the environment.

Description of Selected Remedy

Based on the results of the Remedial Investigation and Feasibility Study (RI/FS) for the Three Star Anodizing site and the criteria identified for evaluation of alternatives, the Department has selected various remedies for the different areas of the site.

The components of the remedy are as follows:

1. A remedial design program will be implemented to provide the details necessary for the construction, operation, maintenance, and monitoring of the remedial program.

2. Approximately 7,800 cubic yards of VOC contaminated soil over the 0.2 acre dry well area at the Axton Cross building will be excavated to about 22 feet below grade and disposed of off site. In-situ treatment of remaining contamination will be conducted if the extent of the planned excavation is limited by the presence of an active septic system serving the building. Groundwater standards for VOCs will be achieved through monitored natural attenuation.

Soil vapor intrusion testing and, if necessary, mitigation of soil vapor impacts to the Axton Cross building will be conducted.

3. Asbestos containing material in the Building 15/16/17 area will be removed and appropriately disposed off-site to allow for safe implementation of the vat remedy. Debris, water and sludge will be removed from the 23 plating vats and disposed of at an appropriate facility. The vats will then be cleaned, demolished and disposed of off site. Any grossly contaminated soil beneath the vats will be excavated and disposed of off site.

4. Approximately 400 cubic yards of contaminated soil will be excavated from an area of about 10,000 square feet in the lower raceway from the bridge over the raceway to about 100 feet east of the raceway to a minimum depth of one foot and covered with a minimum of one foot of clean fill and topsoil.

5. To provide a safe aquatic habitat, the Three Star lagoon will be pumped dry and approximately 2,100 cubic yards of contaminated sediment will be stabilized and excavated to Department sediment cleanup objectives to a maximum depth of about eight feet. The excavated sediment will be disposed of off site and replaced with ecologically compliant fill to the original depth.

6. Surface debris will be removed from the manufactured gas plant (MGP) area. The gas holder foundations in the MGP area will be demolished and disposed of at an appropriate facility. The soil within the gas holders and any grossly contaminated soil will be excavated and disposed of off site. Trees and other vegetation will be removed as needed. A 25-foot buffer will be excavated along the Wappinger Creek and the Three Star Lagoon to a depth of one foot and covered with two feet of clean fill and topsoil meeting commercial SCOs. The rest of the MGP area will be covered with a demarcation barrier and one-foot of clean fill and topsoil. Area will be replanted with native plants.

7. Approximately 2.5 acres of the site, including the area just west of the Axton Cross building and areas near the other on-site buildings, will be covered with a soil cover. The soil cover will be constructed to prevent exposure to contaminated soils. The one foot thick cover will consist of clean soil underlain by an indicator such as orange plastic snow fence to demarcate the cover soil from the subsurface soil. The top six inches of soil will be of sufficient quality to support vegetation. Clean soil for covers and backfill will constitute soil that meets the Division of Environmental Remediation's criteria for backfill or local site background as set forth in 6 NYCRR 375-6.7(d) and as specifically approved by the Department for this application.

8. Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) the property owner to complete and submit to the Department a periodic certification of institutional and engineering controls.

9. Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of groundwater; (d) identification of any use restrictions on the site; (e) fencing to control site access; and (f) provisions for the continued proper operation and maintenance of the components of the remedy.

10. The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department notifies the property owner in writing that this certification is no longer needed. This submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the site; and (c) state that nothing has occurred that will impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the site management plan unless otherwise approved by the Department.

New York State Department of Health Acceptance

The New York State Department of Health (NYSDOH) concurs that the remedy selected for this site is protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

MAR 31 2009

Date

Dale A. Desnoyers, Director
Division of Environmental Remediation

TABLE OF CONTENTS

SECTION **PAGE**

1: SUMMARY AND PURPOSE OF THE PROPOSED PLAN 1

2: SITE LOCATION AND DESCRIPTION 3

3: SITE HISTORY 4
- 3.1: Operational/Disposal History 4
- 3.2: Remedial History 6

4: ENFORCEMENT STATUS 6

5: SITE CONTAMINATION 6
- 5.1: Summary of the Remedial Investigation 6
- 5.2: Interim Remedial Measures 18
- 5.3: Summary of Human Exposure Pathways: 19

6: SUMMARY OF THE REMEDIATION GOALS 21

7: SUMMARY OF THE EVALUATION OF ALTERNATIVES 22
- 7.1: Description of Remedial Alternatives 22
- 7.2 Evaluation of Remedial Alternatives 29

8: SUMMARY OF THE PROPOSED REMEDY 30

Tables
- Table 1: Nature and Extent of Contamination 34
- Table 2: Soil Background Concentrations 45
- Table 3: Remedial Alternative Costs 47

Figures
- Figure 1: Site Location Map 48
- Figure 2: Site Map and Investigation Areas 49
- Figure 3: Surface Soil Data 50
- Figure 4: Soil Boring Data 51
- Figure 5: Groundwater Data 52
- Figure 6: Remediation Areas 53

Appendices
- Appendix A: Responsiveness Summary A-1
- Appendix B: Administrative Record B-1

RECORD OF DECISION

Three Star Anodizing Site
Operable Unit No. 1
Wappingers Falls, Dutchess County, New York
Site No. 314058
March 2009

SECTION 1: SUMMARY OF THE RECORD OF DECISION

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected this remedy for the Three Star Anodizing Site. The presence of hazardous waste has created significant threats to human health and/or the environment that are addressed by this proposed remedy. As more fully described in Sections 3 and 5 of this document, over 170 years of industrial activity and improper waste disposal have resulted in the disposal of hazardous wastes, including volatile organic compounds, plating-related wastes, petroleum and manufactured gas plant wastes. These wastes have contaminated the soil, groundwater and sediments at and near the site, and have resulted in:

- a significant threat to human health associated with current and potential exposure to soil, groundwater, sediments, plating-related wastes and asbestos.

- a significant environmental threat associated with the current and potential impacts of contaminants to soil, groundwater and sediments.

To eliminate or mitigate these threats, the Department has selected various remedies for the different areas of the site.

- Excavation of the contaminated soil exceeding SCGs near the Axton Cross building for off site disposal. In-situ treatment of remaining contamination if the extent of the planned excavation is limited by the presence of an active septic system serving the building. Soil vapor intrusion testing and, if necessary, mitigation of soil vapor impacts to the Axton Cross building will be conducted.
- Demolition and removal of the former metal plating vats and excavation and off-site disposal of any grossly impacted soil.
- Excavation of contaminated soil from a 10,000 square foot area in the lower raceway to a minimum depth of one foot and covered with a minimum of one foot of clean soil.
- Excavation of contaminated sediment from the Three Star lagoon to be replaced with clean fill to the original depth.
- Removal of surface debris from the manufactured gas plant (MGP) area. Demolition of the gas holder foundations in the MGP area and excavation of the soil within them for off-site disposal. Excavation of a 25-foot buffer along the Wappinger Creek and the Three Star Lagoon to a depth of one foot, after removal of existing trees and vegetation as needed, to be covered with two feet of clean soil, and replanted with native wetland and riparian plants. Covering of the remaining 2.5 acres of the MGP area with one foot of clean soil where surface soil contaminants are above commercial cleanup objectives.

- Covering of approximately 2.5 acres of the site, including the area just west of the Axton Cross building and areas near the other on-site buildings, with a soil cover
- Implementation of institutional controls to include an environmental easement.
- Development and implementation of a site management plan.
- A periodic certification of the institutional and engineering controls.

The selected remedy, discussed in detail in Section 8, is intended to attain the remediation goals identified for this site in Section 6. The remedy must conform with officially promulgated standards and criteria that are directly applicable, or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, criteria and guidance are hereafter called SCGs.

SECTION 2: SITE LOCATION AND DESCRIPTION

The Three Star Anodizing Site is approximately 8.5 acres within the Market Street Industrial Park in a suburban area of the Village of Wappingers Falls, Dutchess County. The site consists of several buildings, remnants of destroyed buildings, weathered paved parking areas and access roadways. (Figures 1 and 2) The site is located on the south bank of Wappinger Creek approximately 1.5 miles up stream from the Hudson River.

The adjacent Wappingers Creek has an approximate four foot tidal cycle that has significant impact on the site groundwater. The site topography is mostly level with surface drainage and general groundwater migration in the direction of the creek and lagoon to the north and west. The depth to groundwater ranges from three to fourteen feet below the ground surface.

The depth to bedrock significantly varies from one foot below the surface grade (bsg) in the manufactured gas plant (MGP) area, to more then 60 ft bsg in the southern portion of the site. Bedrock is at least 40 ft bsg throughout most of the site.

Most of the overburden is sand with some gravel. The overburden consists of various depths of natural fill that consists of silt, sand and gravel. Wastes from the MGP process, cinders, slag, coke and brick fragments, were used as fill along the creek.

A dense organic clay that ranges from 0.4 ft thick to 2.1 ft is present within the upper 5 ft of the native material on the south and west portions of the main site. The organic clay layer was not observed on the MGP area.

Operable Unit (OU) No. 1, which is the subject of this document, consists of the entire upland, on-site area and excludes the off-site Wappinger Creek. An operable unit represents a portion of the site remedy that for technical or administrative reasons can be addressed separately to eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. The remaining operable unit for this site is the site-related impacts to the Wappingers Creek. Investigations of the Wappingers Creek has found significant metals contamination in the creek sediment.

A subsequent investigation of creek biota directed by the Department's Division of Fish, Wildlife and Marine Resources found that the concentrations of mercury and other metals were

not as elevated as expected considering the impacts detected in the creek sediments. Additional sediment sampling will be conducted to confirm the earlier sampling data. Further creek investigation activities, and any necessary remediation, will be conducted under OU2 and will not be addressed in this PRAP.

SECTION 3: SITE HISTORY

3.1: Operational/Disposal History

The site has been the location of industrial activities for over 170 years. Primary past uses of the site included textile dyeing operations, a manufactured gas plant (MGP), and a metal plating facility. A number of other smaller industrial activities also took place at the site.

Dutchess Print Works, also known as the Dutchess Bleachery, operated at the site under several ownerships from 1832 to 1955. The plant was originally located across Wappinger Creek on the north bank and later occupied land that was filled in on the south side of the creek. By the late 1800s, buildings on the north side of the creek were utilized for the manufacture of acids and chemicals associated with the dye operations and the remainder of the operations were performed in buildings located on the south bank.

Operations consisted of dyeing and finishing of rough cotton cloth from other mills. Aniline dye was also made at the facility during World War I. Textiles were bleached and dyed at the bleachery and wastewater was reportedly discharged into a raceway that emptied into the lagoon and subsequently into Wappinger Creek. Long term residents of the Village report that during the first half of the 20th century the lagoon had different colors depending on activities at the mill. Mercuric chloride and arsenic pentoxide may have been used to dye cloth at the facility.

The Dutchess Bleachery and Wappinger Water, Gas, and Electric Companies operated a manufactured gas plant (MGP) on the south bank of Wappinger Creek in the west portion of the site from the late 1800s to approximately 1913. During operation of the MGP, coal was barged up the creek from the Hudson River and stored in large coal sheds located on the north and south banks of the creek as early as the 1870s. Department files indicate that approximately 16 acres, beyond the site boundary, were filled with coal cinders. Most of these areas are either paved or developed. Coal cinders were used to fill behind the retaining wall built on the south bank of the creek at the site and an area downstream in the vicinity of Creek Road. Historic maps indicate topographic changes have occurred in those areas as well as the southwest portion of the former bleachery property on the north bank.

Three Star Anodizing and later Watson Metals Products Corporation operated a metal plating facility at the site from 1958 to approximately 1995. From 1958 to 1980, plating waste was discharged to the lagoon and subsequently Wappinger Creek at a rate of 20,000 to 60,000 gallons per day.

Along with metal plating the facility began reconditioning electronic equipment in 1972. The reconditioning process included paint stripping using caustics and a water rinse of gold components. Plating processes included the use of mild non-etching alkali cleaners, a proprietary mix of sodium dichromate or chromic acid, sulfuric acid with the addition of soda

ash to lower pH, and a dying process which required ferric ammonium oxide and synthetic dyes. The paint stripping operation reportedly used chlorinated solvent with fluoride, caustic soda, and kerosene.

The sanitary facilities in the Three Star buildings failed a dye test performed in 1971. At that time, wastewater was found to discharge via floor drains to the lagoon and the creek. Rinse water from plating tanks was discharged to the back of the plant, which subsequently drained into the lagoon via the raceway. A Phase I investigation conducted in the mid 1980s found that the waste stream from the Three Star operations at the site contained sulfuric and phosphoric acids, caustic dyes, soaps, and various trace metals including copper, nickel, chromium, aluminum, and zinc.

In 1975, the facility was required to obtain a SPDES permit to continue discharging via the raceway. In following years (1977-1979), The Department documented that Three Star occasionally exceeded SPDES effluent limitations for nickel and copper.

The Village of Wappinger Falls continues to discharge storm drainage through the raceway/lagoon.

From November 1978 to the summer of 1983, trailers containing powdered raw product in 55-gal drums were stored on-site. The powdered product contained in the 55-gal drums included aluminum oxide, nickel, and cadmium. Reportedly, these materials were from Marathon Battery, formerly of Cold Spring, New York. The trailers were removed under supervision of the Department and the Dutchess County Department of Health in 1983.

An inspection of the facility by the U.S. Environmental Protection Agency (USEPA) in 1993 indicated that it was not in compliance with applicable metal finishing waste water pretreatment standards. The discharge of zinc from the facility was 4.1 mg/L compared to a discharge limit of 2.6 mg/L. A leaking PVC pipe that conveyed wastewater was also identified.

Axton-Cross Company manufactured and distributed chemical products in the building located next to the lagoon. As with the rest of the industrial park, the facility was never hooked up to a public septic system. Although there is no documentation of chemical spills or improper waste disposal, soil and groundwater contamination were observed near the building.

A number of other businesses have operated at the site including auto repair and warehousing. A felt hat manufacturer had operated in building in a portion of the industrial park adjacent to the Three Star site. Mercury was used in the production of felt.

A large fire in May 2004 destroyed Buildings 15, 16, 21 and an unnamed flat-roofed structure. All of these buildings and still-standing Buildings 17 and 22 had all been attached as one structure. Twenty-four metal plating vats are in what was Building 16 and are now exposed to the environment. A remaining, unstable wall from Building 16 parallels the vats and poses a physical hazard.

3.2: <u>Remedial History</u>

In 1983, the Department listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

SECTION 4: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers.

The PRPs for the site, documented to date, include:

- Milliken & Company. In 1908, Milliken purchased and operated the Dutchess Bleachery at the site and across the creek until they closed the facility in 1956.
- The estate of Sam Iannone. Mr. Iannone owned and operated the Three Star Anodizing facility and was the last to own that portion of the site.
- Watson Metal Products. After Mr. Iannone ceased operation of Three Star Anodizing, he leased the facility to Watson Metal Products.

The PRPs known at the time of the RI/FS were contacted by the Department to determine if they were willing to implement the RI/FS. After the remedy is selected, the PRPs will be contacted to assume responsibility for the remedial program. If an agreement cannot be reached with the PRPs, the Department will evaluate the site for further action under the State Superfund. The PRPs are subject to legal actions by the state for recovery of all response costs the state has incurred.

SECTION 5: SITE CONTAMINATION

A remedial investigation/feasibility study (RI/FS) has been conducted to evaluate the alternatives for addressing the significant threats to human health and the environment.

5.1: Summary of the Remedial Investigation

The purpose of the RI was to define the nature and extent of any contamination resulting from previous activities at the site. The RI was conducted between April 2001 and April 2003. The field activities and findings of the investigation are described in the RI report.

Prior to site work, a research of the sites industrial history was conducted. The historical information aided in planning the RI by revealing locations of specific activities and the types of contaminants that may be present.

The RI site activities included a geophysical survey to determine the depth and direction of groundwater, the composition of the overburden, the depth to bedrock. Soil samples were collected throughout the site from soil borings, test pits, and during monitoring well construction. Permanent monitoring wells were constructed to sample groundwater in both the overburden and bedrock. Sediment samples were collected from the on-site lagoon.

A survey of public and private water supply wells in the area around the site was conducted to determine if there were wells that may be close enough to be impacted by the site. The area is on

public water and there are no wells that could be impacted by the Three Star site. Also, all other properties in the immediate area are at higher elevations and all on-site groundwater flows toward the Wappinger Creek.

Surface water and aquatic sediment samples were collected from Wappinger Creek and the upstream Wappinger Lake.

A supplemental remedial investigation (SRI) was conducted in November 2005 and April 2006. The SRI focused on the twenty-three plating vats and the groundwater in the immediate vicinity. Due to the May 2004 fire, the vats are exposed to the environment and are accumulating precipitation. The objective of the SRI was to determine what degree of contamination was present in the vats and, if the water in the vats was contaminated, had that contamination leaked into the sub-surface and impacted the soil beneath and the on-site groundwater.

5.1.1: Standards, Criteria, and Guidance (SCGs)

To determine whether the soil, groundwater, sediments, groundwater and surface water contain contamination at levels of concern, data from the investigation were compared to the following SCGs:

- Groundwater, drinking water, and surface water SCGs are based on the Department's "Ambient Water Quality Standards and Guidance Values" and Part 5 of the New York State Sanitary Code.

- Soil SCGs are based on the Department's Cleanup Objectives (6 NYCRR Part 375, Environmental Remediation Programs, Subpart 375-6.8 and Technical Guidance Memorandum 4046 (TAGM 4046))

- Sediment SCGs are based on the Department's "Technical Guidance for Screening Contaminated Sediments."

- Background soil samples were taken from nine locations (Table 2). These locations were off-site, and were unaffected by historic or current site operations. The samples were analyzed for semi-volatile organic compounds (SVOCs) and metals. The results of the analysis were compared to data from the RI (Table 1) to determine appropriate site remediation goals.

- Fourteen background sediment samples were taken from eight locations. These locations were upstream of the site in Wappingers Lake, and were unaffected by historic or current site operations. The samples were analyzed for VOCs, SVOCs, metals, pesticides and PCBs. The results of the analysis were compared to data from the RI (Table 1) to determine appropriate site remediation goals.

- Background surface water samples were taken from five locations. These locations were upstream of the site, and were unaffected by historic or current site operations. The samples were analyzed for VOCs, SVOCs, metals, pesticides and PCBs. The results of the background sample analysis were compared to relevant RI data to determine

appropriate creek remediation goals.

Based on the RI results, in comparison to the SCGs and potential public health and environmental exposure routes, certain media and areas of the site require remediation. These are summarized in Section 5.1.2. More complete information can be found in the RI report.

5.1.2: Nature and Extent of Contamination

This section describes the findings of the investigation for all environmental media that were investigated.

As described in the RI report, many soil, groundwater, surface water and sediment samples were collected to characterize the nature and extent of contamination. As seen in Figures 3, 4 and 5 and summarized in Table 1, the main categories of contaminants that exceed their SCGs are volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and inorganics (metals). For comparison purposes, where applicable, SCGs are provided for each medium.

Chemical concentrations are reported in parts per billion (ppb) for water and parts per million (ppm) for waste, soil, and sediment.

Figures 3, 4 and 5 and Table 1 summarize the degree of contamination for the contaminants of concern in soil, groundwater and the lagoon sediments.

As described in the RI report, many soil, groundwater, surface water and sediment samples were collected to characterize the nature and extent of contamination. As summarized in Table 1, the main categories of contaminants that exceed their SCGs are volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and inorganics (metals).

The VOCs of concern are 1,1,1-trichloroethane (TCA), tetrachlorethene (PCE), trichloroethene (TCE), cis-1,2-dichlorethene (DCE), toluene, chlorobenzene, ethylbenzene, and xylene.

The SVOCs of concern are acenaphthene, anthracene, benzo(a)pyrene, benzo(a)anthracene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, phenanthrene, and pyrene.

The inorganics of concern are arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc, and cyanide.

As discussed below and shown on Figure 2, the Three Star site has independent areas where different types of industrial activity occurred and, consequently, different areas of concern where different types of contaminants have impacted the environment. The Site consists of the following areas: (i) the Axton-Cross area where a chemical distributer had operated; (ii) the Building 15/16/17 area which includes the 23 metal plating vats; (iii) the former water raceway where water had once been directed to drive water wheels early in the industrial revolution and was also used as a conduit for the disposal of liquid wastes; (iv) the Building 21/22 area in front of buildings 15/16/17 where three aboveground petroleum storage tanks are present; (v) the Three Star Lagoon which is a small man-made water body at the terminus of the raceway just

before Wappinger Creek; and (vi) the manufactured gas plant (MGP) area. The Building 12 area, which is used as a point of reference to this document, is outside of the designated Three Star Anodizing Class 2 site, but within the Market Street Industrial Park.

The different areas are discussed separately in this section due to the distinct and generally unrelated areas of contamination.

Axton Cross Area

Contamination sources consist of the dry well and former drum storage area located on the south side (in front) of the building and the suspected drain holes on the west side of the building. Specifically, VOCs associated with tetrachloroethene (PCE), dichlorobenzene (DCB) and benzene, toluene, ethylbenzene and xylene (BTEX) were found in groundwater and soil in the vicinity of the dry well.

Subsurface Soil

Soil data showed the presence of PCE (42 ppm), in the shallow subsurface soil in this area as well as nickel, chromium, copper and mercury. In the dry well area (SS-10, 1 to 1.2 ft), mercury was detected at 31 ppm. Between the building and the lagoon, (SS-11, surface), nickel was detected at 2,310 ppm. The respective unrestricted SCOs for mercury, nickel and PCE are 0.81 ppm, 30 ppm and 1.3 ppm.

Total VOCs were detected at 280 ppm in MW-9 (10 to 12 ft) in the dry well area of the Axton-Cross Building. The VOCs detected consisted primarily of PCE (140 ppm), trichloroethene (TCE) (49 ppm), and xylene (64 ppm) compared to their respective unrestricted use SCOs of 1.3, 0.47, 0.26 ppm. Adjacent to the west side of the building in SB-3-02 (10 to 12 ft), arsenic (17 ppm), copper (653 ppm) and lead (2,860 ppm) were detected above their respective unrestricted SCOs of 13, 50 and 63 ppm. PAHs were detected at 81 ppm including benzo(a)anthracene (7.8 ppm), benzo(a)pyrene (8.0 ppm), benzo(b)fluoranthene (10.0 ppm), and dibenzo(a,h)anthracene (1.3 ppm). The respective unrestricted SCOs of these PAHs are 1, 1, 1 and 0.33 ppm. The vertical extent of the impacts appears to be limited to a maximum of between 12 and 16 ft below grade as the sample of soil collected from the 16 to 18 ft interval did not contain concentrations that were significantly elevated.

Groundwater

Total VOCs detected in the dry well area adjacent to the south side of the Axton-Cross Building (MW-9) were 20,609 ppb; primary chlorinated VOCs (10,800 ppb) and BTEX (8,400 ppb). The chlorinated VOCs consisted primarily of PCE (7,900 ppb) and TCE (2,900 ppb). The prominent BTEX compounds were xylene (6,600 ppb), ethylbenzene (1,500 ppb) and toluene (270 ppb). The groundwater SCGs for each of these compounds is 5 ppb. Inorganics in the Axton-Cross Area were within the water quality standards.

Also in MW-9, the SVOCs; 1,2-DCB (170 ppb), 1,4-DCB (13 ppb) and 2,4-dimethylphenol (6 ppb) were present above groundwater standards. The respective groundwater SCGs for these SVOCs are 3, 3 and 1 ppb.

The elevated concentrations of VOCs in subsurface soil in the drywell area and the significant impacts to groundwater from the same contaminants in the same location indicate a distinct

source area. The groundwater and subsurface soil contamination identified in the drywell area during the RI/FS will be addressed in the remedy selection process. Inorganics are present at concentrations above unrestricted and commercial SCGs in surface soil between the building and the lagoon. The surface soil contamination identified along the west side of the building during the RI/FS will be addressed in the remedy selection process.

Building 15/16/17 Area

Buildings 15 and 16 were destroyed in the 2004 fire. The metal plating vats are within the footprint of what was Building 16. There had been a flat-roofed building just to the east of Building 15 that collapsed under a snow load prior to the fire.

Surface Soil

Adjacent to Buildings 16 and 17, constituents were detected above Part 375 cleanup objectives for unrestricted use at MW-1, SS-06, and MW-07. At MW-1, PAHs consisting of benzo(a)anthracene (15 ppm), benzo(a)pyrene (12 ppm), benzo(b)fluoranthene (18 ppm), and dibenzo(a,h)anthracene (1.4 ppm) were detected above their respective unrestricted SCOs for these compounds of 1, 1, 1, and 0.33 ppm.

At SS-06 (surface) and MW-07 (0 to 0.5 ft), copper was detected at 611 and 483 ppm, respectively. Cadmium was also detected in surface sample SS-06 at 36 ppm. The respective unrestricted SCOs for copper and cadmium are 50 and 2.5 ppm. Lead was detected above its unrestricted SCG (63 ppm) in each of the four surface soil samples from this area with a maximum concentration of 934 ppm.

Subsurface Soil

In shallow soil adjacent to Building 16 (SS-04), cadmium (11 ppm) was detected above the unrestricted SCO of 2.5 ppm. For this area, lead was detected at a maximum concentration of 197 ppm in BMW-2 (10 to 12 ft) compared to its unrestricted SCG of 63 ppm.

Nickel (1,510 ppm) and arsenic (20 ppm) were detected at concentrations above Part 375 cleanup objectives for unrestricted use in MW-15 (10 to 12 ft) just to the north of the plating vats. Arsenic was detected at 27 ppm in SB-16 (10 to 12 ft) near the plating facility loading dock. The respective unrestricted SCOs for nickel and arsenic are 30 and 13 ppm.

Groundwater

Shallow groundwater obtained before the fire from between Buildings 15 and 16 (MW-12) contained antimony (3.6 ppb), arsenic (31 ppb), chromium (72 ppb) and lead (76 ppb) above their respective SCGs of 3, 25, 50 and 25 ppb.

DCA (62 ppb), TCA (33 ppb), and 1,2-dichloropropane (3 ppb) were also detected in shallow groundwater in MW-12 between Buildings 15 and 16. The respective groundwater SCGs of these compounds are 5, 5 and 1 ppb.

Relatively low concentrations of PCE (8 ppb), TCE (19 ppb), DCE (35 ppb), and vinyl chloride (34 ppb) were detected in MW-1 in front of Building 17 during the most recent groundwater sampling round in 2006. Generally, the concentration of these four contaminants were higher in 2001 and 2002. MW-1 showed low level contamination of 1,2-DCB (4 ppb) and phenol (2 ppb)

in 2001 and 2002.

Vat Area

The supplemental remedial investigation (SRI) identified the vats as a potential source of metals (primarily zinc, copper, and chromium) and phthalates as contaminants associated with vat liquids and sludge. The detection of elevated levels of metals in groundwater in monitoring wells MW-6, MW-10, MW-14 and MW-16 down gradient of the vats after they were exposed to the environment following the 2004 fire suggests that the vats may have leaked into the subsurface. The elevated metals in groundwater were generally associated with turbidity and particulate matter, not dissolved in the groundwater, which will limit their potential for migration. Although metals may be concentrated in soil under the vats, soil under the vats was not sampled due to access complications.

During the SRI, two additional monitoring wells, MW-14 and MW-15 were constructed adjacent to the vats. The two new wells and three existing monitoring wells, MW-1, MW-6 and MW-10, were sampled in April and December 2006. Higher metals concentrations were detected in the preexisting wells during the SRI sampling events compared to concentrations detected during the RI. The VOC constituents and concentration ranges detected in April 2006 were consistent with those detected during the RI. Metals concentrations detected in MW-14 were higher than detected elsewhere on the Three Star Site.

During RI and SRI sampling events, the depth to groundwater in the monitoring wells adjacent to the vats ranged from 6.3 to 10.8 ft below surface grade (bsg). Based on relative measurements, the bottoms of the vats were approximately 4 to 6 ft bsg, which is close to the water table.

Chromium, nickel, and zinc were the primary inorganic constituents detected at elevated levels in groundwater adjacent to the vats (MW-14, MW-15) or down gradient of them (MW-6, MW-10). Total metals concentrations detected in unfiltered samples exceeded groundwater SCGs for chromium, nickel and zinc by up to approximately 800, 25, and 20 times, respectively. In comparison, concentrations in filtered samples intended to represent the dissolved fraction of the metals detected in groundwater were much lower. Zinc was not detected above SCGs in the filtered samples. Concentrations of chromium and nickel were below the groundwater SCG in three of the four wells. Chromium (242 ppb) was approximately five times its SCG of 50 ppb SCGs in down gradient MW-6. In MW-14 next to the vats, nickel (769 ppb) was less than eight times its SCG of 100 ppb. The much lower concentrations of metals in filtered samples indicate that the metals were primarily associated with the suspended particulate and not dissolved in the groundwater.

Other than naturally occurring metals such as iron and sodium, only arsenic (48 ppb) was detected above its SCG (25 ppb) in the filtered sample obtained from MW-15. The filtered sample from MW-14 had nickel (40 ppb) and arsenic (769 ppb). Down gradient MW-6 had antimony (5.3 ppb), chromium (272 ppb) and nickel (106 ppb) above groundwater SCGs in the filtered sample. The respective SCGs for antimony (3 ppb), chromium (50 ppb) and nickel (100 ppb) are as stated.

At the other two locations sampled (MW-1 and MW-10), metals concentrations detected in groundwater samples were much lower relative to concentrations detected in the other three wells. Metals that appear to be associated with the vats (chromium, nickel, and zinc) were not detected above SCGs in groundwater collected from these locations.

The concentrations of VOCs detected in the monitoring wells in the vat area in April 2006 were similar to previous results providing evidence that exposure of the vats to the environment has not impacted VOC levels in on-site groundwater. Total VOC concentrations ranged from 13 ppb in MW-10 to 88 ppb in MW-1 and consisted primarily of chlorinated VOCs. The VOCs detected above SCGs in groundwater in the vat area during the April 2006 sampling event consisted of PCE (8 ppb), TCE (19 ppb), DCE (35 ppb), and vinyl chloride (34 ppb). The groundwater SCG for PCE, TCE and DCE is 5 ppb. The SCG for vinyl chloride is 2 ppb.

Other VOCs were detected at concentrations below groundwater SCGs and consisted of chlorobenzenes, methyl iodide, and total xylenes. DCA was detected slightly above its SCG in MW-10.

Due to the 2004 fire, the vats are an area of environmental contamination. The data from the SRI show that much of the water and all of the sludge in the vats has contamination at such elevated concentrations that it is classified as a hazardous waste (see Section 5.2). Because some of the vats appear to be leaking, it is assumed that contamination contained within those vats is impacting the soil beneath and may impact groundwater. The grossly contaminated soil associated with the vats that was identified during the RI/FS will be addressed in the remedy selection process.

Raceway

In the area of the former raceway, black stained soils with coal tar odors were observed in the west portion of the former raceway (MW-11, and BMW-2). Observations of soil from those borings included brick and asphalt fragments (MW-11), tarry silt and clay at 6 ft below grade in BMW-2.

Surface Soil

The lower raceway (SS-01) contained some of the highest levels of inorganics detected on site; including chromium (6,260 ppm), copper (2,140 ppm), lead (1,100 ppm), nickel (603 ppm), and cyanide (94 ppm). These inorganics are all well above their respective unrestricted SCOs of 30, 50, 63, 30 and 27 ppm.

Subsurface Soil

The lower raceway soil (MW-11) contained 181 ppm of total PAHs; primarily naphthalene (150 ppm) and benzo(a)pyrene (1.7 ppm) above their unrestricted SCOs of 12 and 1 ppm.

Arsenic (55 ppm), chromium (142 ppm), copper (145 ppm), lead (526 ppm), mercury (41 ppm) and zinc (671 ppm) were detected in MW-11 above there respective SCGs of 13, 30, 50, 63, 0.18 and 109 ppm.. Subsurface soils collected during the construction of BMW-2 in the former raceway contained elevated levels of arsenic (43 ppm) and mercury (8.2 ppm). These data may be indicative of a waste discharge point from the plating facility to the raceway area. It is not clear, whether the material was discharged in soluble form or if waste sludge was disposed of in

the former raceway. Concentrations of inorganics were not significantly elevated below 22 ft in BMW-2.

Groundwater

VOCs were below SCGs in shallow groundwater collected from the upper raceway (MW-11) and next to the creek in the Building 12 Area (MW-8). In general, with the exception of naphthalene, VOCs were not detected at significant concentrations within the groundwater and soil within the raceway.

Naphthalene was detected at 160 ppb in shallow groundwater at MW-11 located in the upper raceway. Naphthalene was also present in deep groundwater beneath the MGP area at 77 ppb compared to the SCG of 10 ppb. No other SVOCs were present above SCGs in MW-11. Naphthalene was not detected in significant concentrations in groundwater in other areas of the Site, which suggests that there may have been some discharge of these materials to the former raceway.

In the upper raceway (MW-13) total phenol was detected in shallow groundwater at 11 ppb.

Shallow groundwater in each of the wells, MW-11 and BMW-2, within the former raceway contained up to 13 metals and cyanide above water quality standards in unfiltered samples. The widest range of constituents and highest concentrations were detected in MW-11 in the shallow groundwater under the raceway including concentrations of antimony (1,400 ppb), arsenic (1,100 ppb) cadmium (22 ppb), chromium (1,700 ppb), copper (3,400 ppb), nickel (230 ppb), zinc (6,400 ppb) and cyanide (1,300 ppb) at concentrations well above groundwater standards. The deeper groundwater in this area (BMW-2) contained seven inorganics above water quality standards including antimony and mercury concentrations over 25 times the standards.

Because of the highly elevated inorganics observed in raceway groundwater in the 2002 sampling, an additional sample was obtained from the well in November 2008 for further analysis. The sample was split to allow for analysis of an unfiltered and a filtered sample. In the unfiltered sample, the inorganics detected were all at much lower concentrations than those detected in the 2002 sample. In some cases, inorganics detected in 2002 were undetectable in the filtered 2008 analysis. At 54 ppb, arsenic was the only inorganic detected above its groundwater SCG (25 ppb). The significant decrease in inorganic contaminants in the filtered sample relative to the unfiltered sample shows that the inorganics contamination is predominantly in the form of solids and particulate suspended in the groundwater sample and not dissolved in groundwater. The inorganics are much less mobile as suspended solids, than they would be if dissolved in the water.

The data support the anecdotal information that the lower raceway was used as a conduit for disposal of liquid waste and possibly solids. The data indicate that the inorganics present in the soil in the lower raceway have not impacted groundwater. Surface soil contamination identified during the RI/FS in the lower raceway will be addressed in the remedy selection process.

Building 21/22 Area

Surface Soil

In surface soil sample SS-08, cadmium (6.8 ppm), nickel (40 ppm) and zinc (333 ppm) were

detected above their respective unrestricted SCOs of 2.5, 30 and 109 ppm.

Subsurface Soil

Shallow soil (0.5 - 2.5 ft) in MW-1 had lead (127 ppm), mercury (0.25 ppm) and zinc (115 ppm) above unrestricted SCOs. The same sample had total PAHs at 183 ppm, including benzo(a)anthracene (15 ppm), benzo(a)pyrene (12 ppm), benzo(b)fluoranthene (18 ppm) and chrysene (13 ppm) above the unrestricted SCO of 1 ppm for each of these compounds.

Groundwater

Earlier analyses of monitoring wells MW-10 in the loading dock area of Building 21 and MW-6 in front of the buildings showed elevated concentrations of inorganics. The unfiltered sample from MW-6 contained antimony (6 ppb), chromium (265 ppb), lead (35 ppb), nickel (155 ppb), selenium (24 ppb) and thallium (2 ppb) above their respective groundwater SCGs of 3 ppb, 50 ppb, 25 ppb, 100 ppb, 10 ppb and 0.5 ppb. However, analyses of a filtered sample from MW-10 in December 2006 found only selenium (22 ppb) dissolved in groundwater above its SCG (10 ppb).

VOCs were detected in the wells in front of Buildings 21 and 22 at concentrations that were relatively low compared to those detected in some of the other areas of the Three Star Site. During the most recent sampling, TCE and DCE were both detected at 20 ppb in MW-06.

In shallow groundwater next to Building 21 in MW-6, SVOCs were below groundwater standards in 2001. In 2002, benzo(a)pyrene (1 ppb), benzo(a)anthracene (1 ppb), benzo(b)fluoranthene (1 ppb) and chrysene (1 ppb) were above SCGs. The groundwater SCG for each of these compounds is 0.002 ppb. No PAHs were detected above groundwater SCGs in MW-10.

The RI/FS data show no indication of a contamination source in the Building 21/22 area. Therefore, no remedial alternatives need to be evaluated for this area.

Lagoon

The surface area of the lagoon is approximately 200 ft by 40 ft. A black sediment layer was identified along the mid-section of the Three Star lagoon ranging from approximately 4 to 11.5 ft thick with a pudding like consistency. Water depth along the midsection of the Three Star lagoon ranged from approximately 4 to 7.5 ft.

Surface Water

Surface water sampling was completed in the center of the lagoon. Lagoon surface water data is compared to SCGs intended for the protection of surface water bodies.

The concentrations of inorganics detected in surface water in the Three Star lagoon were similar to background levels detected in Wappinger Lake. Aluminum, iron, and silver comprised the inorganics detected at concentrations above the SCGs for surface water quality. Aluminum and iron were slightly above the SCGs, with aluminum and iron concentrations of 194 and 318 ppb, respectively, compared to the SCGs for propagation of fish of 100 and 300 ppb. Silver was detected at 1.6 ppb. The concentration of total silver detected in the surface water of the Three Star lagoon exceeded the SCG of 0.1 ppb for propagation of fish exposed to ionic silver. The

concentrations of aluminum, iron, and silver detected in the surface water of the Three Star lagoon were below the maximum background levels detected in Wappingers Lake during a storm event. Other constituents were within SCGs or within levels indicative of acceptable water quality.

Concentrations of VOCs in the surface water of the lagoon were not detected above SCGs. TCE, at 0.6 ppb, was the only VOC detected in surface water; this level of TCE is below the SCG of 5 ppb for human consumption of surface water.

SVOCs were not detected in the surface water of the lagoon.

Sediment

The lagoon sediment data were compared to the NYS sediment screening values in units of grams per kilograms of organic carbon (g/KgOC). Chlorobenzene was detected in all of the sediment samples at a maximum concentration of 1,083 g/KgOC. The sediment screening value for chlorobenzene is 3.5 g/KgOC. Xylene was detected in most of the sediment samples at a maximum concentration of 1,167 g/KgOC; compared to its SCG of 92 g/KgOC. Ethylbenzene (42 g/KgOC) and DCE (42 g/KgOC) were each detected in two samples above their respective screening values of 24 g/KgOC and 0.6 g/KgOC. Various VOC TICs were also detected in lagoon sediment.

Inorganic concentrations above the severe effect level (SEL) screening value for sediment consisted of cadmium (122 ppm), chromium (26,300 ppm), copper (10,600 ppm), lead,(9,650 ppm) mercury (54 ppm), nickel (3,890 ppm), zinc (3,710 ppm) and cyanide (69 ppm). The respective screening values for these inorganics are 9, 110, 110, 110, 1.3, 50, 270 and 0.1 ppm.

Pesticides were detected in one of two samples analyzed for pesticides/PCBs. The levels of DDT, Endosulfan II, Heptachlor epoxide, and chlordane were above sediment cleanup objectives. PCBs were not detected in either of the two samples.

TCLP

Results of TCLP analysis of a lagoon sediment sample did not identify concentrations above those that would characterize the sediment as hazardous waste as defined by 6 NYCRR Part 371 and 40 CFR Part 261.

Sediment contamination identified in the Three Star lagoon during the RI/FS will be addressed in the remedy selection process.

MGP area Investigation Results

In general, analytical data indicated that PAHs and inorganics were the primary contaminants detected in surface soil. The PAH concentrations were frequently above SCOs for unrestricted use. Inorganics were generally detected at concentrations below commercial SCOs, although concentrations were frequently above unrestricted SCOs. The highest concentrations of both PAHs and inorganics were located adjacent to the creek.

Surface Soil

Nine surface soil locations were sampled from the MGP area. Trace levels of VOCs detected in surface soil samples, consisting of benzene, PCE, toluene, methylene chloride, were below Part 375

SCOs.

The SVOCs detected in surface soil above SCOs consisted of PAHs. The detections of PAHs included the following above Part 375 SCOs for unrestricted use in the ranges of concentrations stated; benzo(a)anthracene (0.060 - 79 ppm), benzo(a)pyrene (0.056 - 87 ppm), benzo(b)fluoranthene (0.19 - 100 ppm), benzo(k)fluoranthene (0.24 -42 ppm) chrysene (0.20-80 ppm), dibenzo(a,h)anthracene (0.069 - 18 ppm) and indeno(1,2,3-cd)pyrene (0.049 - 53 ppm). The respective unrestricted SCOs for these PAHs are 1, 1, 1, 0.8, 1, 0.33 and 0.5 ppm.

Samples from two locations in the MGP area contained inorganics above SCOs for unrestricted use. Lead (1,160 ppm) and arsenic (37 ppm) were detected in SS-MGP1 and copper (441 ppm) was observed in SS-14 surface soil above their respective unrestricted SCOs of 63, 13, and 50 ppm. Inorganics were present above SCGs for unrestricted use in most of the areas sampled from the MGP area.

Zinc was detected above unrestricted SCOs in all but two of the 11 sample locations in the MGP area. Detectable concentrations of zinc range from 114 ppm to 2,570 ppm in SS-MGP1. All concentrations are above the unrestricted SCO of 109 ppm for zinc. Mercury was also observed in all of the same samples above its unrestricted SCO of 0.18 ppm with a maximum concentration of 2.3 ppm. In addition the zinc and mercury, other inorganics were detected above unrestricted SCOs in surface soil throughout the MGP area. For example, SS-14 also had copper (441 ppm) and lead (666 ppm) above unrestricted SCOs. SS-MGP2 had arsenic (41 ppm), cadmium (55 ppm), trivalent chromium (158 ppm), hexavalent chromium (12 ppm), copper (94 ppm), lead (462 ppm) above unrestricted SCOs. Most of the other surface soil samples from the MGP area had similar levels of inorganic impacts.

Subsurface Soil

Soil borings completed in the former gas holders and the filled area adjacent to the tidal creek exhibited naphthalene odor. Screening of soil from each of the borings advanced in these areas showed PID readings above background. The bottom of the gas holders (SB-3-01 and SB-401) were encountered at approximate depths of 6.5 ft and 9.2 ft below grade based on the appearance of native material at those levels. Gas holders typically had concrete bottoms or used the top of the watertable as the base to retain the gas. It appears that these gas holders were constructed using the latter approach. No coal tar sludge was observed at the apparent bottoms of the gas holders. The borings adjacent to the tidal creek (MW-4 and BMW-1) contained globules of free product in subsurface soil. PID readings up to 108 ppm were detected in soil from MW-4 in the 14 to 16 ft interval. The subsurface materials in that area (MW-4) consisted of soil with bricks and glass observed at approximately 8 ft bgs suggesting that soil in the area was fill.

Eight shallow test pits were completed in the MGP area. Four of the test pits, identified as TP-1, TP-2, TP-3, and TP-4 were completed in the general vicinity of the former gas holders. The remaining four test pits, TP-5, TP-6, TP-11, and TP-12 were completed northwest of the gas holders to characterize the spatial distribution of fill material in this area. Test pits TP-11 and TP-12 were completed in an area where several empty five-gallon drums are exposed at the ground surface.

In general, test pits completed in the MGP area did not demonstrate olfactory or visual evidence of contamination and the PID showed no measurable readings. A total of nine soil samples were collected and submitted for laboratory analysis from test pits completed on the MGP area.

In six of thirteen subsurface locations sampled, contaminants were below unrestricted SCOs. PAHs were detected above SCOs in six of the other seven locations. In general, the highest levels and widest range of contaminants in subsurface soil were detected in five locations sampled from two areas.

PAHs were detected in subsurface soil at concentrations above SCOs throughout the MGP area with the maximum concentration of total PAHs up to 1,448 ppm detected in MW-5 (2 to 4 ft) and in the south gas holder (SB-4, 6 to 8 ft deep) at 2,261 ppm. PAHs detected above unrestricted SCOs in SB-4 consist of anthracene (150 ppm), benzo(a)anthracene (200 ppm), benzo(a)pyrene (170 ppm), benzo(b)fluoranthene (180 ppm), benzo(k)fluoranthene (80 ppm) chrysene (180 ppm), dibenzo(a,h)anthracene (31 ppm), indeno(1,2,3-cd)pyrene (110 ppm), phenanthrene (220 ppm) and pyrene (340ppm)

PAHs detected in MW-4 included acenaphthene (100 ppm), fluoranthene (130 ppm), fluorene (62 ppm), indeno(1,2,3-cd)pyrene (16 ppm), naphthalene (290 ppm) and phenanthrene (210 ppm) above unrestricted SCOs. The respective unrestricted SCOs for these PAHs are 20, 100, 30, 0.5, 12 and 100 ppm. The PAH concentrations detected in SB-4 and MW-4 as discussed above are indicative of concentrations observed in the other locations on the MGP area where PAH impacts were noted.

Cinders were observed in the sample collected for analysis from test pit TP-04.

On the MGP area, the highest concentrations and widest range of inorganics were detected within the south gas holder and the area adjacent to the creek. MW-4, specifically the 14 to 16 ft depth, had the most significant inorganic contamination on the MGP area where arsenic (39 ppm), cadmium (18 ppm), copper (85 ppm), lead (506 ppm), mercury (249 ppm),and zinc (200 ppm) were detected above their respective unrestricted SCOs of 13, 2.5, 50, 63, 0.18 and 109 ppm. Chromium, copper, lead, mercury and zinc were detected above unrestricted SCOs in MW-5 and SB-4. In MW-5 (12 to 14 ft), mercury was detected at 3.7 ppm.

Non-Aqueous Phase Liquid (NAPL) was observed in the deep boring adjacent to the tidal creek (BMW-1) at depths of 26 to 34 feet.

Dibenzofuran was detected above its unrestricted SCO of 7 ppm in MW-4 (54 ppm), MW-5 (25 ppm), SB-4 (15 ppm) and BMW-1 (21 ppm).

VOCs were not detected above SCGs for unrestricted use.

<u>Groundwater</u>

Neither pesticides nor PCBs were detected in groundwater samples collected from the MGP area.

Total VOC concentrations in shallow groundwater ranged from 1 to 160 ppb with benzene, TCE, cis-1,2-DCE, and vinyl chloride above SCGs. Benzene was detected in shallow groundwater adjacent to the tidal creek (MW-4), at up to 3 ppb. TCE (17 ppb) and DCE (110 ppb) were detected in shallow groundwater in the south portion of the site (MW-2). DCE (16 ppb) was also detected in shallow water adjacent to the lagoon (MW-3). Vinyl chloride was also detected in shallow groundwater from MW-2, MW-3 and MW-4 at concentrations of 24, 8 and 8 ppb, respectively. VOC concentrations were below SCGs in deep groundwater adjacent to the tidal creek (BMW-1), except for benzene at 3

ppb and cis-1,2-DCE, at 26 ppb. The respective groundwater SCGs of benzene, TCE, DCE and vinyl chloride are 1, 5, 5 and 2 ppb.

SVOCs were not detected in shallow groundwater samples collected from two of the four wells (MW-2 and MW-3) on the MGP area. Naphthalene (28 ppb), acenaphthene (32 ppb), benzo(a)pyrene (6 ppb), benzo(a)anthracene (9 ppb), benzo(k)fluoranthene (3 ppb), benzo(b)fluoranthene (8 ppb) and chrysene (9 ppb) were detected above groundwater SCGs in MW-4.

In deep groundwater adjacent to the tidal creek (BMW-1), naphthalene was detected at 77 ppb, above its SCG of 10 ppb. SVOC TICs were also detected in groundwater.

Inorganics detected above SCGs generally consisted of elements that are commonly related to local geologic conditions (iron, magnesium, manganese, and sodium), except antimony. Antimony (15 ppb) was detected in shallow groundwater from a single monitoring well adjacent to the tidal creek (MW-4), above its SCG of 3 ppb.

In deep groundwater adjacent to the tidal creek (BMW-1), several inorganics were above SCGs. Thallium (4.1 ppb) and lead (210 ppb) were detected at approximately eight times higher than their respective SCGs of 0.5 and 25 ppb. Arsenic (100 ppb) and chromium (210 ppb) were detected at approximately four times their respective SCGs of 25 and 50 ppb. Beryllium (8.2 ppb), copper (490 ppb), nickel (240 ppb) and mercury (1.5 ppb) were also above their respective SGCs of 3, 200, 100, 1 ppb.

Turbidity can influence the concentrations of inorganics detected in groundwater. In groundwater, higher levels of turbidity tend to be associated with elevated levels of suspended solids and inorganics.

The data show that the MGP that operated in this area created the PAH contamination in surface and subsurface soil typically associated with such operations, in addition to the metals contamination in this area. The data do not show evidence that the PAHs or metals present in the soil have impacted the groundwater in the MGP area. The surface soil contamination identified during the RI/FS will be addressed in the remedy selection process.

5.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before completion of the RI/FS.

The Department submitted a request to the EPA to conduct an emergency removal action of a variety of containers containing known and unknown wastes remaining within the on-site buildings. Shortly after the May 2004 fire, an EPA contractor was mobilized to the site to begin the removal action. On July 6, 2004, EPA began to clear debris and to stage the drums and containers. Waste containers were removed from Building 17 and other smaller buildings. Due to the destruction caused by the fire that destroyed or significantly damaged about half of the structures, many of the waste-containing containers were buried by debris. EPA's contractor also determined that many areas where unsafe due to unstable, damaged structures. Demolition of unsafe remnants of the damaged buildings was conducted to allow the contractor to safely complete the removal action.

Approximately 230 waste containers were sampled for hazardous waste categorization. A total of 23 waste streams were categorized. Four composite samples were collected from the vats. Twenty-seven samples were sent to a laboratory for analysis. The wastes were then consolidated in 66 drums. Empty waste containers were crushed and loaded into a roll-off for off-site disposal as non-hazardous waste.

Twenty compressed gas cylinders were removed prior to and during the removal action. An approximately 10,000-gallon storage tank was pumped out and cleaned. The tank remains on-site. Some oil contaminated soil was placed into drums. The EPA removal action concluded on August 6, 2004 and all of the wastes were transported off-site on November 10 for final disposal.

The Department had a chain link fence and signs installed around the former plating vats in May 2005 to prevent exposure to the vats. EPA had labeled the former metal plating vats V-1 through V-23 on the west side of the vats.

Eight composite samples were collected to characterize the vat liquids for off-site disposal. Analytical data indicated that the composite sample of vats 1, 7, and 8 contained chromium levels up to approximately 16,000 ppb. Analytical data associated with the vat liquids are presented in the SRI Report.

Beginning April 3 through April 11, 2006, the liquids were pumped from the vats for off-site disposal. Due to the elevated chromium the 12,105 gallons pumped from vats 1, 7, and 8 were disposed of as hazardous waste. Approximately 127,053 gallons were removed from the remaining vats.

A larger fence was constructed in January 2009 around the remaining buildings, the vats and most of the debris. The new fence will remain in place through the remediation.

5.3: <u>Summary of Human Exposure Pathways</u>:

This section describes the types of human exposures that may present added health risks to persons at or around the site. A more detailed discussion of the human exposure pathways can be found in Section 7.3 of the RI report.

An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has five elements: [1] a contaminant source, [2] contaminant release and transport mechanisms, [3] a point of exposure, [4] a route of exposure, and [5] a receptor population.

The source of contamination is the location where contaminants were released to the environment (any waste disposal area or point of discharge). Contaminant release and transport mechanisms carry contaminants from the source to a point where people may be exposed. The exposure point is a location where actual or potential human contact with a contaminated medium may occur. The route of exposure is the manner in which a contaminant actually enters or contacts the body (e.g., ingestion, inhalation, or direct contact). The receptor population is the people who are, or may be, exposed to contaminants at a point of exposure.

An exposure pathway is complete when all five elements of an exposure pathway exist. An exposure pathway is considered a potential pathway when one or more of the elements currently does not exist, but could in the future.

On-site surface soils and lagoon sediments are contaminated with VOCs, SVOCs and/or inorganics. The potential exists for incidental ingestion of contaminated sediments, dermal contact with contaminants present in site soils and the inhalation of contaminated dust by people working on the site, trespassers entering the property, or if site soils are disturbed in the future.

On-site groundwater is contaminated with a combination of SVOCs, VOCs and inorganic contaminants as a result of former site activities. Since site groundwater is not used for any purpose and public water is available to area homes and businesses, there is currently little potential for exposure to site related contaminants that are present in groundwater. However, exposure to site-related contaminants present in groundwater could occur through ingestion and/or the inhalation of VOCs if on-site groundwater is used as a source for potable water or other purposes in the future. Because the VOC groundwater plume extends beneath the Axton-Cross Building, the potential exists for exposure to building occupants via soil vapor intrusion.

5.4: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts include existing and potential future exposure pathways to fish and wildlife receptors, as well as damage to natural resources such as aquifers and wetlands.

An on-site Fish and Wildlife Impact Analysis (FWIA), is included as Appendix E of the RI report. The FWIA conducted for Wappinger Creek is presented in Appendix G of the creek RI report. The FWIAs present a detailed discussion of the existing and potential impacts from the site to fish and wildlife receptors.

Excluding the MGP area and the raceway, the terrestrial portion of the site is largely developed with buildings, weathered asphalt, compacted fill or maintained lawns. Such conditions will prevent or limit use by transient or residential wildlife species. Ecological receptors are unlikely to utilize such portions of the site due to the lack of and/or poor quality of habitat. Potentially complete exposure pathways to terrestrial and aquatic receptors likely exist in other areas of the site and in Wappinger Creek.

The MGP area, the former raceway, and the southern portion of the site behind Buildings 15, 16, and 17, contain small forested areas and some grassed area that provide adequate natural resources for some ecological receptors such as small mammals and birds. The lagoon areas provide limited habitat for aquatic receptors.

Concentrations of chemical constituents in site media (surface soil, surface water and sediment) were detected above ecologically-based criteria and/or screening values, indicating potential direct contact exposures to soil and benthic macroinvertebrate inhabitants.

Elevated concentrations of metals were found in the surface soil in the lower raceway and next to the

Axton Cross building. Elevated PAH concentrations are present in surface and sub-surface soils in the MGP area and behind the remnants of Buildings 15, 16 and 17.

Aquatic areas existing on-site include a portion of Wappinger Creek and the on-site lagoon.

Wappinger Creek provides appropriate habitat for a variety of fish and other wildlife and likely contains high quality habitat for a variety of small mammal, avian, reptilian, amphibian and fish species. Federal and state wetlands were identified on and in the vicinity of the site. Several state regulated wetlands and National Wetland Inventory (NWI) wetland habitats are located within two miles of the site. The Department and the New York National Heritage Program (NYNHP) have identified rare and/or protected flora and fauna and significant natural communities within a two-mile radius of the site. The protected species and communities are primarily associated with the aquatic, open water areas including Wappinger Creek, the Hudson River and the up-stream Wappinger Lake.

Site contamination has also impacted the groundwater resource in the overburden aquifer.

SECTION 6: SUMMARY OF THE REMEDIATION GOALS

Goals for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. At a minimum, the remedy selected must eliminate or mitigate all significant threats to public health and/or the environment presented by the hazardous waste disposed at the site through the proper application of scientific and engineering principles.

The remediation goals for this site are to eliminate or reduce to the extent practicable:

- exposures of persons at or around the site to VOCs, PAHs and inorganics in soils, groundwater, soil vapor and the lagoon sediments;
- environmental exposures of flora or fauna to PAHs and inorganics in soils and the lagoon sediments;
- the release of contaminants from soil into groundwater that may create exceedances of groundwater quality standards;
- the release of contaminants from surface soil into ambient air through wind borne dust; and
- the release of contaminants from on-site soils into Wappinger Creek surface water and sediments through surface run-off and groundwater migration

Further, the remediation goals for the site include attaining to the extent practicable:

- ambient groundwater quality standards through source removal / remediation.

When developing the remedial alternatives presented below, the 170 years of various industrial activities and the expected future use of the site were considered.

SECTION 7: SUMMARY OF THE EVALUATION OF ALTERNATIVES

The selected remedy must be protective of human health and the environment, be cost-effective, comply with other statutory requirements, and utilize permanent solutions, alternative technologies or resource recovery technologies to the maximum extent practicable. Potential remedial alternatives for the Three Star Anodizing Site were identified, screened and evaluated in the FS report which is available at the document repositories established for this site.

A summary of the remedial alternatives that were considered for this site is discussed below. The present worth represents the amount of money invested in the current year that would be sufficient to cover all present and future costs associated with the alternative. This enables the costs of remedial alternatives to be compared on a common basis. As a convention, a time frame of 30 years is used to evaluate present worth costs for alternatives with an indefinite duration. This does not imply that operation, maintenance, or monitoring would cease after 30 years if remediation goals are not achieved.

7.1: Description of Remedial Alternatives

The following potential remedies were considered to address the contaminated soils, sediments, and groundwater at the site.

Alternative 1: No Action
The No Action Alternative is evaluated as a procedural requirement and as a basis for comparison. It requires continued monitoring only, allowing the site to remain in an unremediated state. This alternative would leave the site in its present condition and would not provide any additional protection to human health or the environment.

Alternative 2: Institutional and Engineering Controls, and Groundwater Monitoring
Alternative 2 consists of access restrictions, groundwater monitoring, an environmental easement, and a Site Management Plan.

Access Restrictions. The fence installed in 2009 around the perimeter of the Three Star Site as an engineering control (EC) would be maintained and additional fencing would be installed in other areas of the site. An institutional control (IC) in the form of environmental easements consisting of land use restrictions, groundwater use restrictions and compliance with a site management plan would be placed on the property deeds. The land use restrictions would prohibit activities that would potentially disturb or expose contaminated materials, unless done in accordance with the approved site management plan. Groundwater use restrictions would preclude the use of on-site groundwater without prior approval from the Dutchess County Department of Health.

Groundwater Monitoring. Groundwater monitoring would be implemented to track concentrations of VOCs and inorganic constituents in groundwater and would be instrumental in detecting changes in concentrations. Groundwater monitoring would consist of periodic sampling of wells with analysis of VOCs and inorganic constituents.

Vapor Control. Due to the presence of a chlorinated VOC plume in the vicinity of the currently occupied Axton-Cross Building, an assessment of sub-slab and indoor air conditions would be conducted. If the assessment results indicate a need, a soil vapor mitigation system would be designed and installed in the building.

Site Management Plan. Since impacted soil and contaminated groundwater would remain onsite, a site management plan (SMP) would be implemented to ensure the continuing protection of human health and the environment. The aforementioned ICs and ECs would be documented and detailed in the SMP. Specifically, the SMP for Alternative 2 would consist of continued evaluation of the potential for vapor intrusion in on-site buildings, periodic groundwater monitoring, identification of site use restrictions, fencing to control site access, and provisions for the continued operation and maintenance of the components of the remedy.

Periodic Certification. A periodic certification would be submitted to the Department. The document would certify that the SMP continues to be implemented, that the institutional controls and engineering controls are still in place and unchanged, and that nothing has occurred that would impair the ability of the remedy and site management to protect public health and the environment.

Present Worth: $620,000
Capital Cost: $200,000
Annual Costs: $34,000

Alternative 3: On-Site Treatment and Containment and Vat Containment
Alternative 3 consists of removal and off-site disposal of surface debris, demolition and off-site disposal of the former gas holders, decommissioning of the vats, on-site treatment and containment of soil, containment of lagoon sediment, and indoor vapor control. Alternative 3 also includes the same access restrictions, groundwater monitoring, environmental easement, SMP and, if necessary, indoor vapor control described in Alternative 2.

The on-site treatment and containment of soil would involve treatment of soil from the lower portion of the former raceway and the dry well area and containment of soil in the MGP area and areas of the Main Site.

In-situ soil treatment. Soil treatment in Alternative 3 would be conducted in the lower portion of the former raceway and the dry well area at the Axton-Cross Building. In an area of approximately 10,000 square feet from the bridge over the raceway to about 100 feet east of the bridge, approximately 1,200 cubic yards of metals impacted soil in the lower portion of the former raceway would be treated in-situ (in place) by stabilization through the addition of a stabilizing agent, such as a sulfide-based reagent, into the subsurface. An estimated 7,800 cubic yards of VOC contaminated soil in the dry well area adjacent to the Axton-Cross building would be treated in-situ by chemical oxidation through the injection of an oxygenating agent into the subsurface.

Monitored Natural Attenuation of Groundwater in the Axton Cross Area. The treatment of the source area at the Axton Cross building would remove the contamination over time. This would allow for monitored natural attenuation of the VOCs present in groundwater and the ultimate attainment of groundwater standards for VOCs.

Decommissioning of Former Metal Plating Vats. Twenty-three vats are present within the footprint of what was Building 16, which was destroyed in the May 2004 fire. The vats consist of poured concrete or concrete block structures extending approximately 9 feet deep, with approximately 7 feet below the existing grade and 2 feet above grade, each having an approximate footprint of 5 feet by 38 feet. The remaining south brick wall of Building 16 is close to the vats and is structurally unsound.

The wall presents a physical hazard and would require stabilization or demolition prior to any remedial action on the vats. The building debris on and in the vats primarily consists of bricks and wood timbers, but it also contains other miscellaneous debris such as roof shingles, tar paper, mortar, and metal. Roof shingles and tar paper present across the Three Star Site, including within the vats, is presumed to be non-friable asbestos-containing material (ACM). It is anticipated that the debris would be containerized, transported, and disposed in a C&D debris landfill. Liquid and sludge would be removed from the vats. Based on existing data, it is anticipated that the liquid and sludge would be disposed of off-site as hazardous waste and non-hazardous waste at a Department-approved landfill. Following liquid and sludge removal, the vats have areas of non-friable ACM mastic that would be removed. The vats would then be pressure washed. Following the subsurface investigation, the vat walls would be demolished to grade and the vats would be filled with sand and capped with concrete.

On-site containment of lagoon sediment. To allow for placement of a three foot cover over the contaminated lagoon sediment that will remain in the approximately 9,000 square foot lagoon; the top three feet of sediment would be excavated to three feet deep, a geotextile liner placed and covered with the clean fill. To achieve this, the lagoon would be pumped dry and well points would be installed to draw down the water table locally such that excavation work can be performed in the dry to the target depths which are below the observed water table. The excavated sediment would then be characterized and transported off-site for disposal at an acceptable facility.

Removal and disposal of surface debris. To allow for a soil cover, miscellaneous debris present on the ground surface at the MGP area, debris removal is a component of the remedy. The debris would be gathered and disposed off-site at an appropriate disposal facility.

Demolition and Off-Site Disposal of the Former Gas Holders. The ruins of two former gas holders are present on the MGP area. Both circular brick structures are approximately 40 feet in diameter and extend approximately 8 feet above ground surface. Removal of these former gas holders is anticipated to be completed using an excavator. The brick debris would be disposed of off-site at an appropriate disposal facility.

Soil Cover. A vegetated soil cover would be used to contain surface soil areas with concentrations of constituents greater than 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives for Commercial Use. The soil cover would consist of a 12-inch thick soil vegetated layer. Based on the concentrations detected in soil samples collected across the Three Star Site, it is anticipated that the vegetated soil cover would cover approximately 5.5 acres of the site, including areas of the MGP area, the lower raceway and areas just west of the Axton Cross buildings and the other buildings on site. Additional soil sampling may be necessary during the design phase to better delineate the extent of surface soil areas at concentrations greater than 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives for Commercial Use. Specifically, additional information is required to fill in data gaps for the south border of the MGP area, the area near Buildings 15/16/17 and 21/22 and the raceway, the area adjacent to the eastern side of the lower half of the lagoon, and the area along the creek bank north of the Axton-Cross Building.

Prior to installation of the vegetated soil cover, the ground surface would be graded and surface debris would be removed. The vegetated soil cover would be graded to promote drainage and minimize erosion of the cover. The vegetated soil cover would be routinely inspected to verify

integrity.

Because the MGP area is currently a heavily vegetated area with value as a natural resource, the soil cover would incorporate a 25-feet wide buffer area along Wappinger Creek on the MGP area. This portion of the soil cover would be constructed by excavating the soil to a depth of approximately 1 foot. The excavated cinder-containing fill material would be disposed off site, and all or most of the trees and other vegetation would be removed as needed . The excavation would be backfilled with clean fill. The ground surface would be restored using appropriate native plantings.

Groundwater Monitoring. Groundwater monitoring would be implemented to track concentrations of VOCs and inorganic constituents in groundwater and would be instrumental in detecting changes in concentrations. Groundwater monitoring would consist of periodic sampling of wells with analysis of VOCs and inorganic constituents.

Site Management Plan. Since impacted soil and contaminated groundwater would remain onsite, a site management plan (SMP) would be implemented to ensure the continuing protection of human health and the environment. The SMP would consist of management of the final cover system over contaminated soils, the lagoon containment system, and the erosion control system along the creek. The SMP would also include continued evaluation of the potential for vapor intrusion for on-site buildings developed on the site, periodic groundwater monitoring, identification of site use restrictions, and provisions for the continued proper operation and maintenance of the components of the remedy.

Periodic Certification. A periodic certification would be submitted to the Department. The document would certify that the SMP continues to be implemented, that the institutional controls and engineering controls are still in place and unchanged, and would state that nothing has occurred that would impair the ability of the remedy and site management to protect public health or the environment.

Present Worth: $4,520,000
Capital Cost: $3,540,000
Annual Costs: $80,000

Alternative 4: Vat Removal, Lagoon Excavation and Limited Soil Excavation and Cover
Alternative 4 would consist of vat removal, sediment removal from the Three Star lagoon, limited soil excavation with off-site disposal and placement of a soil cover over all areas of the site where surface and shallow soil contamination exceeds commercial SCGs. The areas that would be remediated under Alternative 4 are depicted in Figure 6. Alternative 4 would also include some of the same active remedial actions described in Alternative 3; vapor control, removal and off-site disposal of surface debris, demolition and off-site disposal of the former gas holders, excavation of impacted soil and soil cover over specific areas of the site. Alternative 4 would include the same access restrictions, groundwater monitoring, environmental easement, SMP and, if necessary, indoor vapor control described in Alternatives 2 and 3.

Subsurface soil excavation and off-site disposal. To address the VOC contamination exceeding SCGs, significant soil excavation would be conducted in the dry well area at the Axton-Cross building. Based on analytical results, it is anticipated that excavation of the former dry well area soil

would extend to approximately 22 feet below grade and would encompass an approximately 0.2 acre area. An estimated 7,800 cubic yards of soil from the dry well area would be removed.

Due to the depth of the excavations, it is expected that shoring would be necessary. Also, the depth of the excavation may be limited by the building foundation. Additionally, due to the presence of a shallow watertable, it is anticipated that dewatering would be necessary during excavation. Considering the presence of elevated concentrations of VOCs at this location, it is anticipated that the water generated from dewatering activities would require treatment prior to discharge to Wappinger Creek or off-site disposal. Following characterization, excavated soil would be transported off-site for disposal in a Department-approved landfill.

Monitored Natural Attenuation of Groundwater in the Axton Cross Area. The removal of the source area at the Axton Cross building would allow for monitored natural attenuation of the VOCs present in groundwater and the ultimate attainment of groundwater standards for VOCs.

Demolition and off-site disposal of the former metal plating vats. Due to the presence of ACM at greater than 1% of the total volume, all of the debris is considered ACM as per the New York State Department of Labor (DOL), which regulates asbestos in New York. The ACM must be removed by a DOL approved contractor prior to any remedial activity on the vats. It is anticipated that the debris would be containerized, transported, and disposed at an appropriate disposal facility. Liquid and sludge would be removed from the vats. Based on existing data, it is anticipated that much of the liquid and sludge would be disposed of off-site as hazardous waste at appropriate facility. Following liquid and sludge removal, non-friable ACM mastic present in some of the vats would be removed and the vats would then be pressure washed. Following pressure washing, the vats would be completely demolished and disposed of off site. The soil beneath the vats would then be sampled to determine if has been impacted by leaking vats. If the soil beneath the vats is found to be grossly contaminated, it would be excavated and disposed of off site. For cost estimation purposes, it is assumed that the soil under the vats has been impacted to an extent that would require excavation and disposal.

Excavation and Covering of the Lower Portion of the Former Raceway. To address the inorganic contamination present in soil in the lower raceway, approximately 400 cubic yards of soil would be excavated from an area of about 10,000 square feet from the bridge over the raceway to about 100 feet east of the raceway to a minimum depth of one foot and covered with a minimum of one foot of clean fill and topsoil. The covering of this area would serve multiple purposes. The remedy would remove inorganic contaminated material in the surface soil and to cover the area to prevent exposure to inorganics in subsurface soil. Covering the area would prevent migration of inorganics into the downstream lagoon.

Sediment removal and restoration of the lagoon. The Three Star lagoon contains sediment with site-related constituents that varies from approximately 2 to 11 feet in thickness and has an estimated total volume of approximately 2,100 cubic yards. The lagoon would be pumped dry, and well points would be installed to draw down the water table locally such that excavation work can be performed in the dry to the target depths which are below the observed water table. The excavated sediment would then be characterized and transported off-site for disposal at an acceptable facility.

Restoration of the Three Star lagoon would consist of replacing the contaminated sediment with clean

backfill to establish a water depth comparable to the current depth to a maximum of approximately 8 feet along the mid section of the lagoon. Along the shorelines, clean sand would be added to a 10 foot width to develop a shallow water maximum depth of approximately 2 feet at average conditions next to the shore sloping toward the mid section. The outlet to the lagoon would be maintained at the current elevation which would allow discharge during storm events, but would not be connected to Wappinger Creek at low water conditions. Native wetland and riparian plants would be planted along soil banks and in the shallow area along the shorelines.

Excavation and covering of the MGP area. Due to the presence of PAHs in surface soil, a soil cover remedy would be implemented of all or most of the entire 2.8 acres of the MGP area. A 25-foot buffer would be excavated along the Wappinger Creek and the Three Star Lagoon to a depth of one foot and covered with two feet of clean fill and topsoil. The rest of the MGP area would be covered with a demarcation barrier and one-foot of clean soil. Along with the removal of the surface debris and the gas holders described above, all or most of the trees and other vegetation would be removed to allow for excavation and the soil cover. The ground surface would be restored using appropriate native plantings.

Installation of a soil cover. Approximately 2.5 acres of the site, including the area just west of the Axton Cross building and areas near the other on-site buildings, that have surface soil impacts above commercial SCGs would be covered with a minimum of one foot of clean fill and top soil. A demarcation barrier would be placed on the existing grade, the clean fill would be placed on top of the barrier and the entire area seeded. The precise areas to be covered would be determined by pre-design surface soil sampling.

Site Management Plan. Since impacted soil and contaminated groundwater would remain onsite, a site management plan (SMP) would be implemented to ensure the continuing protection of human health and the environment. The SMP would consist of management of the final cover system over contaminated soils and the erosion control system along the creek, continued evaluation of the potential for vapor intrusion for on-site buildings developed on the site, periodic groundwater monitoring, identification of site use restrictions, and provisions for the continued proper operation and maintenance of the components of the remedy.

Periodic Certification. A periodic certification would be submitted to the Department. The document would certify that the SMP continues to be implemented, that the institutional controls and engineering controls are still in place and unchanged, and would state that nothing has occurred that would impair the ability of the remedy and site management to protect public health or the environment.

Present Worth: $10,600,000
Capital Cost: $8,720,000
Annual Costs: $148,000

Alternative 5: Vat Removal, Lagoon Excavation and Complete Excavation of All Soil Contamination above 6 NYCRR Part 375 Cleanup Objectives for Unrestricted Use

Alternative 5 would include complete vat removal, excavation of the lagoon, excavation of the drywell area within the Axton Cross area, and removal of trees and vegetation followed by replanting

as described in Alternative 4. Alternative 5 would also include complete excavation of all soil with contaminant concentrations above 6 NYCRR Part 375 Cleanup Objectives for Unrestricted Use.

This would include excavation to a depth of 30 feet of about 23,000 cubic yards of soil from a 0.5 acre portion of the MGP area along Wappinger Creek where NAPL had been observed. The excavation would be approximately 20 feet below the median water table and the average elevation of the tidal creek. Based of existing data, the rest of the MGP site would be excavated to depths up to eight feet across most of the remaini5ng 2.3 acres. A total of approximately 53,000 cubic yards from the MGP area would be disposed of off site and replaced with clean fill. To conduct the excavation the creek would be partially diverted with sheet piles in the creek and upland to more than 30 feet below the surface grade of the MGP area and the area would be pumped continuously.

An approximately 45,000 square foot area of inorganics impacted soil in the lower raceway would be excavated to about 20 feet below grade. Approximately 45,000 cubic yards of soil would be excavated, disposed of off site and replaced with clean fill. The excavation in the area would also require shoring and continuous pumping to lower the water table.

Much of the remaining areas of the Three Star site, approximately 2.5 acres, not presently covered by buildings, slabs or pavement would be excavated to about 12 feet below grade. The areas to be excavated including the area just west of the Axton Cross building and portions of the Building 15/16/17 area and the Building 21/22 area. Approximately 48,000 cubic yards would be excavated, disposed of off site and replaced with clean fill.

The final depths and areal extent of the excavations would be determined by pre-excavation soil borings and post excavation sampling where possible

Present Worth: $73,000,000
Capital Cost: $73,000,000
Annual Costs: $5,000

7.2 Evaluation of Remedial Alternatives

The criteria to which potential remedial alternatives are compared are defined in 6 NYCRR Part 375, which governs the remediation of inactive hazardous waste disposal sites in New York State. A detailed discussion of the evaluation criteria and comparative analysis is included in the FS report.

The first two evaluation criteria are termed “threshold criteria” and must be satisfied in order for an alternative to be considered for selection.

1. Protection of Human Health and the Environment. This criterion is an overall evaluation of each alternative’s ability to protect public health and the environment.

2. Compliance with New York State Standards, Criteria, and Guidance (SCGs). Compliance with SCGs addresses whether a remedy will meet environmental laws, regulations, and other standards and criteria. In addition, this criterion includes the consideration of guidance which the department has determined to be applicable on a case-specific basis.

The next five “primary balancing criteria” are used to compare the positive and negative aspects of

each of the remedial strategies.

3. Short-term Effectiveness. The potential short-term adverse impacts of the remedial action upon the community, the workers, and the environment during the construction and/or implementation are evaluated. The length of time needed to achieve the remedial objectives is also estimated and compared against the other alternatives.

4. Long-term Effectiveness and Permanence. This criterion evaluates the long-term effectiveness of the remedial alternatives after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated: 1) the magnitude of the remaining risks, 2) the adequacy of the engineering and/or institutional controls intended to limit the risk, and 3) the reliability of these controls.

5. Reduction of Toxicity, Mobility or Volume. Preference is given to alternatives that permanently and significantly reduce the toxicity, mobility or volume of the wastes at the site.

6. Implementability. The technical and administrative feasibility of implementing each alternative are evaluated. Technical feasibility includes the difficulties associated with the construction of the remedy and the ability to monitor its effectiveness. For administrative feasibility, the availability of the necessary personnel and materials is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, institutional controls, and so forth.

7. Cost-Effectivness. Capital costs and annual operation, maintenance, and monitoring costs are estimated for each alternative and compared on a present worth basis. Although cost-effectiveness is the last balancing criterion evaluated, where two or more alternatives have met the requirements of the other criteria, it can be used as the basis for the final decision. The costs for each alternative are presented in Table 3.

This final criterion is considered a “modifying criterion” and is taken into account after evaluating those above. It is evaluated after public comments on the Proposed Remedial Action Plan have been received.

8. Community Acceptance - Concerns of the community regarding the RI/FS reports and the PRAP have been evaluated. The responsiveness summary (Appendix A) presents the public comments received and the manner in which the Department addressed the concerns raised.

In general, the public comments received were supportive of the selected remedy. However, some comments were received pertaining to an existing septic system servicing the Axton Cross building. The septic system is in the area of the VOC contamination where significant excavation is planned. The extent of the excavation may be restricted by the presence of the septic system. If this is the case, the excavation may be supplemented by injections of a chemical oxide to facilitate the destruction of the VOCs in soil and groundwater.

SECTION 8: SUMMARY OF THE SELECTED REMEDY

Based on the Administrative Record (Appendix 2) and the discussion presented below, the Department has selected Alternative 4, Vat Removal, Lagoon Dredging and Limited Excavation and

Covering, with a contingency for in-situ treatment in the Axton Cross area as specified in Alternative 3, as the remedy for this site. The elements of this remedy are described at the end of this section.

The selected remedy is based on the results of the RI and the evaluation of alternatives presented in the FS.

Alternative 4 has been selected because, as described below, it satisfies the threshold criteria and provides the best balance of the primary balancing criteria described in Section 7.2. It will achieve the remediation goals for the site by removing the vats and the soils that create the most significant threat to public health and the environment. Subsequently, Alternative 4 will greatly reduce the source of contamination to groundwater, and it will create the conditions needed to protect wildlife and restore groundwater quality to the extent practicable.

No-Action Alternative 1 would allow contamination to remain in place with no measures taken to mitigate impacts to human health and the environment. Therefore, Alternative 1 does not meet either of the threshold criteria and is removed from further consideration.

Alternative 2 would mitigate impacts to human health though the implementation of institutional controls that would essentially prohibit access and use of the site in its current state. Because contamination would remain in place, wildlife would continue to be exposed to site contaminants and runoff from the site would continue to impact the creek. Therefore protection of the environment and compliance with New York State SCGs would not be achieved. Therefore, Alternative 2 would not meet the threshold criteria. Based on the inability of Alternative 2 to meet the threshold criteria, Alternative 2 is removed from further consideration.

Alternatives 3, 4 and 5 would meet the threshold criteria by mitigating exposure pathways to protect human health and wildlife receptors and addressing the source area to reduce impacts to groundwater. The soil remedies in Alternative 3 would ultimately achieve SCGs in the Axton Cross area and in surface soil and sediment in other areas addressed. Alternative 3 would ultimately achieve groundwater SCGs for VOC contamination attributed to the soil contamination in the Axton Cross area. The soil remedies in Alternative 4 would be expected to achieve SCGs over a shorter time frame through the physical removal of the source areas; specifically the VOC soil contamination at the Axton Cross building, the former plating vats and the lagoon sediment. Alternative 5 would most quickly meet soil SCGs across the site.

Alternatives 3, 4 and 5 would all have a significant short term impact during the time period to conduct the individual remedies, but the local impacts would be minimized through the use of engineering controls. Because significant contamination would remain on-site, Alternative 3 would require significant operation and maintenance, in both the vat area and the lagoon for the long-term. Alternative 4 would better achieve long-term effectiveness and permanence by permanently removing the worst contamination and therefore requiring less long-term maintenance. Alternative 5 would best meet long term permanence through the complete removal of all contaminated soil, but would have significant short term impact due to the expansive excavations and the associated construction, heavy equipment and truck traffic.

Alternative 3 would reduce the mobility of the contamination in the lagoon and the vat area and would reduce the toxicity of the VOC contamination in the Axton Cross area. By physically

removing the contaminated materials in the lagoon and vat area, Alternative 4 would reduce the volume of contaminants and subsequently the toxicity associated with those areas. For both alternatives 3 and 4, installing a soil cover in the lower raceway, the MGP area and the other excavated areas would also reduce mobility of the residual contamination. Alternative 5 would best achieve a reduction in toxicity, volume and mobility of contamination by eliminating the soil contamination and source areas.

The remedies presented in Alternatives 3, 4 and 5 are commonly conducted at contaminated properties and can be readily implemented at the Three Star Site. Alternative 5 would require extensive use of sheet piles and water pumping from the excavations. While this method is often used for deep excavations, the location along the creek in the MGP area would require partial diversion of the creek and placement of sheet piles more that 30 feet below the surface grade of the MGP area.

The cost of Alternative 4 is a little more than double the cost of Alternative 3 while the cost of Alternative 5 is seven times that of Alternative 4. Alternative 4 is much more protective of the environment than Alternative 3, since the highly contaminated Lagoon sediments would be completely removed from the aquatic environment which justifies the additional cost of Alternative 4. While Alternative 5 would allow unrestricted use of the property, the significant short-term local impacts and significant cost of Alternative 5 do not justify the selection of that Alternative.

The estimated present worth cost to implement the remedy is $10,600,000. The cost to construct the remedy is estimated to be $8,720,000 and the estimated average annual operation, maintenance, and monitoring costs for 30 years is $1,880,000.

The elements of the proposed remedy are as follows:

1. A remedial design program will be implemented to provide the details necessary for the construction, operation, maintenance, and monitoring of the remedial program.

2. Approximately 7,800 cubic yards of VOC contaminated soil over the 0.2 acre dry well area at the Axton Cross building will be excavated to about 22 feet below grade and disposed of off site. In-situ treatment of remaining contamination will be conducted if the extent of the planned excavation is limited by the presence of an active septic system serving the building. Groundwater standards for VOCs will be achieved through monitored natural attenuation. Soil vapor intrusion testing and, if necessary, mitigation of soil vapor impacts to the Axton Cross building will be conducted.

3. Asbestos containing material in the Building 15/16/17 area will be removed and appropriately disposed off-site to allow for safe implementation of the vat remedy. Debris, water and sludge will be removed from the 23 plating vats and disposed of at an appropriate facility. The vats will then be cleaned, demolished and disposed of off site. Any grossly contaminated soil beneath the vats will be excavated and disposed of off site.

4. Approximately 400 cubic yards of contaminated soil will be excavated from an area of about 10,000 square feet in the lower raceway from the bridge over the raceway to about 100 feet

east of the raceway to a minimum depth of one foot and covered with a minimum of one foot of clean fill and topsoil.

5. To provide a safe aquatic habitat, the Three Star lagoon will be pumped dry and approximately 2,100 cubic yards of contaminated sediment will be stabilized and excavated to Department sediment cleanup objectives to a maximum depth of about eight feet. The excavated sediment will be disposed of off site and replaced with ecologically compliant fill to the original depth.

6. Surface debris will be removed from the manufactured gas plant (MGP) area. The gas holder foundations in the MGP area will be demolished and disposed of at an appropriate facility. The soil within the gas holders and any grossly contaminated soil will be excavated and disposed of off site. Trees and other vegetation will be removed as needed. A 25-foot buffer will be excavated along the Wappinger Creek and the Three Star Lagoon to a depth of one foot and covered with two feet of clean fill and topsoil meeting commercial SCOs. The rest of the MGP area will be covered with a demarcation barrier and one-foot of clean fill and topsoil. Area will be replanted with native plants.

7. Approximately 2.5 acres of the site, including the area just west of the Axton Cross building and areas near the other on-site buildings, will be covered with a soil cover. The soil cover will be constructed to prevent exposure to contaminated soils. The one foot thick cover will consist of clean soil underlain by an indicator such as orange plastic snow fence to demarcate the cover soil from the subsurface soil. The top six inches of soil will be of sufficient quality to support vegetation. Clean soil for covers and backfill will constitute soil that meets the Division of Environmental Remediation's criteria for backfill or local site background as set forth in 6 NYCRR 375-6.7(d) and as specifically approved by the Department for this application.

8. Imposition of an institutional control in the form of an environmental easement that will require (a) limiting the use and development of the property to commercial use; (b) compliance with the approved site management plan; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH; and (d) the property owner to complete and submit to the Department a periodic certification of institutional and engineering controls.

9. Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) monitoring of groundwater; (d) identification of any use restrictions on the site; (e) fencing to control site access; and (f) provisions for the continued proper operation and maintenance of the components of the remedy.

10. The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department notifies the property owner in writing that this certification is no longer needed. This submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the site; and (c) state that nothing has occurred that will impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the site management plan unless otherwise approved by the Department.

SECTION 9: HIGHLIGHTS OF COMMUNITY PARTICIPATION

As part of the remedial investigation process, a number of Citizen Participation activities were undertaken to inform and educate the public about conditions at the site and the potential remedial alternatives. The following public participation activities were conducted for the site:

11. Repositories for documents pertaining to the site were established.

12. A public contact list, which included nearby property owners, elected officials, local media and other interested parties, was established.

13. A PRAP fact sheet and public meeting notice was mailed to the contact list on February 27, 2009.

14. A public meeting was held on March 19, 2009 to present and receive comment on the PRAP.

15. A responsiveness summary (Appendix A) was prepared to address the comments received during the public comment period for the PRAP.

TABLE 1
Nature and Extent of Contamination

SURFACE SOIL Main Site	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	tetrachlorethene	0.001 - 43	1.3	1 / 22
	trichloroethene	0.001 - 2	0.47	1 / 22
Semivolatile Organic Compounds (SVOCs)	benzo(a)pyrene	0.054 - 12	1	8 / 22
	benzo(a)anthracene	0.052 - 15	1	1 / 22
	benzo(b)fluoranthene	0.073 - 18	1	4 / 22
	chrysene	0.07 - 13	1	1 / 22

SURFACE SOIL Main Site	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Inorganic Compounds	antimony	0.3 - 4	0.89[D]	8 / 22
	cadmium	0.29 - 81	2.5	8 / 22
	chromium	12 - 6,260	30	8 / 22
	hexavalent chromium	ND - 13	1	1 / 22
	copper	23 - 2,140	50	9 / 22
	cyanide	0.8 - 94	27	1/ 22
	lead	24 - 1,100	63	15 / 22
	mercury	0.1 - 31	0.18	17 / 22
	nickel	12 - 2,310	30	11 / 22
	silver	0.28 - 6.3	2	1 / 22
	zinc	53 - 558	109	13 / 22

TABLE 1 (continued)
Nature and Extent of Contamination

SUBSURFACE SOIL Main Site	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	1,1,1-trichloroethane	0.0007 - 8	0.68	1 / 42
	cis-1,2-dichlorethene	0.0008 - 0.95	0.33	1 / 42
	ethylbenzene	0.0006 - 14	1	4 / 42
	tetrachlorethene	0.0007 - 140	1.3	3 / 42
	toluene	0.0006 - 4.4	0.7	1 / 42
	trichloroethene	0.0006 - 49	0.47	3 / 42
	xylene	0.0009 - 64	0.26	4 / 42
Semi volatile Organic Compounds (SVOCs)	benzo(a)pyrene	0.047 - 8	1	2 / 42
	benzo(a)anthracene	0.054 - 7.8	1	2 / 42
	benzo(b)fluoranthene	0.06 - 10	1	3 / 42
	benzo(k)fluoranthene	0.049 - 3.3	0.8	2 / 42
	chrysene	0.05 - 7	1	3 / 42
	dibenzo(a,h)anthracene	0.053 - 1.3	0.33	1 / 42
	indeno(1,2,3-cd)pyrene	0.041 - 4.3	0.5	2 / 42
	naphthalene	0.048 - 150	12	1 / 42
	2-nitroaniline	ND - 1.6	0.43	1 / 42
	phenol	0.06 - 0.1	0.33	4 / 42

TABLE 1 (continued)
Nature and Extent of Contamination

SUBSURFACE SOIL Main Site	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Inorganic Compounds	antimony	0.4 - 377	0.89[D]	10 / 42
	arsenic	2 - 55	13	9 / 42
	chromium	11 - 475	30	19 / 42
	hexavalent chromium	1.2 - 15	1	4 / 42
	copper	13 - 653	50	4 / 42
	lead	8.4 - 2,860	63	2 / 42
	mercury	0.01 - 41	0.18	15 / 42
	nickel	7.7 - 73	30	9 / 42
	zinc	33 - 671	109	2 / 42

TABLE 1 (continued)
Nature and Extent of Contamination

SURFACE SOIL MGP Area	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Semivolatile Organic Compounds (SVOCs)	benzo(a)anthracene	0.06 - 79	1	9 / 18
	benzo(a)pyrene	0.056 - 87	1	9 / 18
	benzo(b)fluoranthene	0.069 - 100	1	11 / 18
	benzo(k)fluoranthene	0.11 - 42	0.8	8 / 18
	chrysene	0.06 - 80	1	9 / 18
	dibenzo(a,h)anthracene	0.069 - 18	0.33	9 / 16
	indeno(1,2,3-cd)pyrene	0.049 - 53	0.5	9 / 18
	pyrene	0.1 - 170	100	1 / 18
Inorganic Compounds	antimony	0.7 - 7	0.89[D]	8 / 18
	arsenic	5.3 - 41	13	5 / 18
	cadmium	0.23 - 55	2.5	9 / 18
	chromium	12 - 158	30	3 / 18
	hexavalent chromium	1.5 - 12	1	4 / 18
	copper	22 - 441	50	13 / 18
	lead	27 - 1,160	63	14 / 18
	mercury	0.05 - 2	0.18	12 / 18
	nickel	14 - 40	30	8 / 18
	zinc	62 - 2,570	109	16 / 18

TABLE 1 (continued)
Nature and Extent of Contamination

SUBSURFACE SOIL MGP Area	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	benzene	0.002 - 0.3	0.06	3 / 25
Semivolatile Organic Compounds (SVOCs)	acenaphthene	5 - 100	20	1 / 25
	anthracene	0.04 - 150	100	1 / 25
	benzo(a)anthracene	0.084 - 200	1	13 / 25
	benzo(a)pyrene	0.076 - 190	1	13 / 25
	benzo(b)fluoranthene	0.1 - 250	1	13 / 25
	benzo(k)fluoranthene	0.053 - 100	0.8	13 / 25
	chrysene	0.07 - 180	1	13 / 25
	dibenzo(a,h)anthracene	0.068 - 31	0.33	12 / 25
	fluoranthene	0.04 - 410	100	4 / 25
	fluorene	0.07 - 62	30	3 / 25
	indeno(1,2,3-cd)pyrene	0.048 - 110	0.5	13 / 25
	2-methylnaphthalene	2.5 - 66	36.4	2 / 25
	naphthalene	0.049 - 290	12	3 / 25
	phenanthrene	0.07 - 220	100	4 / 25
	phenol	ND - 1	0.33	1 / 25
	pyrene	0.05 - 340	100	3 / 25

TABLE 1 (continued)
Nature and Extent of Contamination

SUBSURFACE SOIL MGP Area	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Inorganic Compounds	arsenic	3.6 - 39	13	3 / 25
	cadmium	0.15 - 18	2.5	3 / 25
	chromium	8.2 - 257	30	6 / 25
	copper	16 - 201	50	6 / 25
	cyanide, total	1 - 39	27	1 / 25
	lead	9.3 - 1,750	63	11 / 25
	mercury	0.3 - 249	0.18	8 / 25
	nickel	12 - 35	30	1 / 25
	zinc	46 - 2,000	109	10 / 25

Lagoon SEDIMENTS	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	chlorobenzene	0.47 - 130	3.5	6 / 7
	xylene	0.15 - 140	92	2 / 7
Semivolatile Organic Compounds (SVOCs)	1,4-dichlorobenzene	2.7 - 51	12	4 / 7
	fluorene	1 - 10	6	1 / 7
	phenanthrene	3 - 51	0.5	7 / 7
	phenol	ND - 2	0.6	1 / 7
PCB's and Pesticides	endosulfan II	ND - 0.06	0.03	1 / 2

TABLE 1 (continued)
Nature and Extent of Contamination - Lagoon Sediment

Lagoon SEDIMENTS	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)[a]	Frequency of Exceeding SCG
Inorganic Compounds	antimony	8.5 - 362	LEL[c] - 2.0	7 / 7
			SEL[c] - 25	1 / 7
	arsenic	10 - 141	LEL[c] - 6.0	7 / 7
			SEL[c] - 33	2 / 7
	cadmium	8 - 122	LEL - 0.6	7 / 7
			SEL - 9	6 / 7
	chromium	934 - 26,300	LEL - 26	7 / 7
			SEL - 110	7 / 7
	copper	654 - 10,600	LEL -16	7 / 7
			SEL -110	7 / 7
	cyanide	0.7 - 69	NA	
			NA	
	lead	806 - 9,650	LEL -31	7 / 7
			SEL -250	7 / 7
	mercury	1.9 - 54	LEL -0.2	7 / 7
			SEL -2	6 / 7
	nickel	23 - 3,890	LEL -16	7 / 7
			SEL -75	6 / 7
	silver	0.96 - 2.9	LEL -1.0	5 / 7
			SEL -2.2	1 / 7
	zinc	1,220 - 3,710	LEL -120	7 / 7
			SEL -820	7 / 7

TABLE 1 (continued)
Nature and Extent of Contamination

GROUNDWATER (Shallow)	Contaminants of Concern	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)[a]	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	benzene	0.5 - 3	1	2 / 21
	chlorobenzene	1 - 100	5	1 / 21
	1,1-dichloroethane	0.8 - 33	5	4 / 21
	cis-1,2-dichloroethene	0.5 - 680	5	8 / 21
	1,2-dichloropropane	ND - 3	1	1 / 21
	ethylbenzene	3 - 1,500	5	1 / 21
	1,1,1-trichloroethane	1 - 730	5	6 / 21
	tetrachlorethene	1 - 7,900	5	3 / 21
	toluene	0.6 - 270	5	1 / 21
	trichloroethene	0.6 - 2,900	5	7 / 21
	vinyl chloride	0.9 - 29	0.3	13 / 21
	xylene	2 - 6,600	5	2 / 21
Semivolatile Organic Compounds (SVOCs)	acenaphthene	2 - 32	20	2 / 21
	benzo(a)anthracene	1 - 9	0.002	3 / 21
	benzo(b)fluoranthene	2 - 8	0.002	3 / 21
	benzo(k)fluoranthene	ND - 3	0.002	1 / 21
	chrysene	1 - 9	0.002	3 / 21
	1,2-dichlorobenzene	2 - 170	3	2 / 21
	14-dichlorobenzene	ND - 13	3	1 / 21
	indeno(1,2,3-cd)pyrene	ND - 2	0.002	1 / 21
	naphthalene	3 - 160	10	2 / 21
	phenol	2 - 11	1	2 / 21

TABLE 1 (continued)
Nature and Extent of Contamination

GROUNDWATER (Shallow)	Contaminants of Concern	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)[a]	Frequency of Exceeding SCG
Inorganic Compounds	antimony	3 - 1,360	3	5 / 13
	arsenic	2.3 - 1,130	25	4 / 13
	barium	11 - 1,390	1000	1 / 13
	beryllium	0.1 - 6	3	2 / 13
	cadmium	0.6 - 22	1,000	1 / 13
	chromium	1 - 1,730	50	5 / 13
	cobalt	4 - 101	5	4 / 13
	copper	2 - 3,440	200	2 / 13
	amenable cyanide	ND - 1,100	200	1 / 3
	total cyanide	13 - 1,280	200	1 / 13
	lead	0.66 - 7,370	25	4 / 13
	mercury	0.05 - 273	0.7	2 / 13
	nickel	1 - 233	100	2 / 13
	selenium	2 - 30	10	1 / 13
	thallium	4 - 6	0.5	2 / 13
	vanadium	0.58 - 263	14	3 / 13
	zinc	2 - 6,350	2000	1 / 13

TABLE 1 (continued)
Nature and Extent of Contamination

GROUNDWATER (Deep)	Contaminants of Concern	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)[a]	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	benzene	3 - 4	1	2 / 3
	chlorobenzene	ND - 34	5	1 / 3
	cis-1,2-dichlorethene	ND - 26	5	1 / 3
	vinyl chloride	ND - 2	0.3	1 / 3
Semivolatile Organic Compounds (SVOCs)	naphthalene	9 - 77	10	1 / 3
Inorganic Compounds	antimony	3 - 74	3	1 / 3
	arsenic	47 - 542	25	3 / 3
	barium	318 - 1,210	1000	1 / 3
	beryllium	3 - 15	3	2 / 3
	cadmium	3 - 14	1,000	1 / 3
	chromium	195 - 575	50	3 / 3
	cobalt	46 - 290	5	3 / 3
	copper	254 - 1,150	200	3 / 3
	lead	212 - 604	25	3 / 3
	mercury	1 - 28	0.7	3 / 3
	nickel	237 - 524	100	3 / 3
	selenium	ND - 27	10	1 / 3
	thallium	4 - 12	0.5	2 / 3
	vanadium	75 - 380	14	3 / 3

[a] ppb = parts per billion, which is equivalent to micrograms per liter, ug/L, in water;
ppm = parts per million, which is equivalent to milligrams per kilogram, mg/kg, in soil;
ug/m^3 = micrograms per cubic meter

[b] SCG = standards, criteria, and guidance values; {list SCGs for each medium}

[c] LEL = Lowest Effects Level and SEL = Severe Effects Level. A sediment is considered to be contaminated if either of these criteria is exceeded. If both criteria are exceeded, the sediment is severely impacted. If only the LEL is exceeded, the impact is considered to be moderate.

{For marine and estuarine sediments, change LEL to ER-L and SEL to ER-M in Table 1 and replace the above footnote with:
[c] ER-L = EffectRange - Low and ER-M = Effect Range - Moderate. A sediment is considered to be contaminated if either of these

criteria is exceeded. If both criteria are exceeded, the sediment is severely impacted. If only the ER-L is exceeded, the impact is considered to be moderate.}

D - Soil cleanup object determined by site background

ND - non-detect

NA - There is no applicable standard, criterion or guidance value for this contaminant in this medium.

Table 2
Soil Background Concentrations
18 Off-Site Samples

	Compound	Range of Concentrations (ppm)
Semivolatile Organic Compounds (SVOCs)	anthracene	ND - 0.17
	benzo[a]anthracene	0.074 - 0.6
	benzo[a]pyrene	0.076 - 0.59
	benzo[b]fluoranthene	0.061 - 0.94
	benzo[g,h,i]perylene	0.041 - 0.44
	benzo[k]fluoranthene	ND - 0.22
	chrysene	0.07 - 0.45
	dibenz[a,h]anthracene	0.042 - 0.14
	dibenzofuran	ND - 0.063
	indeno[1,2,3-cd]pyrene	0.043 - 0.38
	naphthalene	ND - 0.81
	phenol	ND

Table 2
Soil Background Concentrations
18 Off-Site Samples

	Compound	Range of Concentrations (ppm)
Inorganic Compounds	antimony	ND - 0.89
	arsenic	5.8 - 22
	cadmium	0.41 - 5.4
	calcium	971 - 41,000
	cyanide, total	ND - 2.9
	lead	36 - 497
	mercury	0.1 - 0.18
	sodium	43 - 188
	zinc	72 - 525

Table 3
Remedial Alternative Costs

No.	Remedial Alternative	Capital Cost	Annual OM&M	Total Present Worth
1	No Action	$0	$0	$0
2	Institutional and Engineering Controls, and Groundwater Monitoring	$200,000	$34,000	$620,000
3	On-Site Treatment and Containment and Vat Containment	$3,540,000	$80,000	$4,520,000
4	Vat Removal, Lagoon Dredging and Limited Excavation and Covering	$8,720,000	$148,000	$10,600,000
5	Vat Removal, Lagoon Excavation and Complete Excavation of All Soil Contamination above 6 NYCRR Part 375 Cleanup Objectives for Unrestricted Use	$73,000,000	$5,000	$73,000,000

APPENDIX A

Responsiveness Summary

RESPONSIVENESS SUMMARY

Three Star Anodizing
Operable Unit No. 1
Wappingers Falls, Dutchess County, New York
Site No. 314058

The Proposed Remedial Action Plan (PRAP) for the Three Star Anodizing site, was prepared by the New York State Department of Environmental Conservation (the Department) in consultation with the New York State Department of Health (NYSDOH) and was issued to the document repositories on February 27, 2009. The PRAP outlined the remedial measure proposed for the contaminated soil, groundwater and sediment at the Three Star Anodizing site.

The release of the PRAP was announced by sending a notice to the public contact list, informing the public of the opportunity to comment on the proposed remedy.

A public meeting was held on March 19, 2009, which included a presentation of the Remedial Investigation (RI) and the Feasibility Study (FS) as well as a discussion of the proposed remedy. The meeting provided an opportunity for citizens to discuss their concerns, ask questions and comment on the proposed remedy. These comments have become part of the Administrative Record for this site. The public comment period for the PRAP ended on March 30, 2009.

This responsiveness summary responds to all questions and comments raised during the public comment period. The following are the comments received, with the Department's responses:

COMMENT 1: I'm a lifelong resident of the Village. I used to work at the bleachery and played there as a child. At that time, we observed wastewater discharges that regularly turned the lagoon various colors such as red, green, black, orange. The MGP area had been used as a dump for many years. There were often bonfires there, where wastes where burned. Metal that had been dumped into the area was pulled out during WWII for recycling. The lagoon used to be part of the creek. Construction debris and other wastes were also dumped into the lagoon.

RESPONSE 1: Comment noted.

COMMENT 2: Is the drainage culvert through the former raceway still active?

RESPONSE 2: It is the Department's understanding that the culvert is still an active part of the Village's drainage system.

COMMENT 3: Is there nothing that can be done about the metals in groundwater?

RESPONSE 3: Metals don't decompose and cannot be broken down to other compounds or elements. The only way to remove the contaminant metals from the groundwater is through a costly, energy-intensive groundwater extraction and treatment remedy that may not produce a significant reduction in metals concentrations. The majority of the metals in groundwater samples are due to the metals attaching to soil particles that do not migrate in groundwater.

COMMENT 4: Will this project be similar to the nearby landfill?

RESPONSE 4: It is assumed that the comment relates to the Wappingers Falls Village Landfill (WFVL). The WFVL is a small former municipal landfill where no hazardous waste disposal was documented or observed. The landfill has a soil cover similar to what is planned for the Three Star site. However, the WFVL closure includes leachate and drainage controls; such controls are not necessary, and will not be employed, for the Three Star site.

COMMENT 5: Adjacent to the lagoon and the site, an old house has been renovated. Apparently children live there or frequent the property. Are they being exposed to the contaminants in the lagoon and on the site? They pick raspberries from bushes next to the lagoon; are the raspberries safe to eat? Would it be safe to plant a garden there? I've seen kids going in and out of the house, are they being exposed to contamination?

RESPONSE 5: As part of the Wappinger's Creek (OU2) investigation, surface soil samples and samples to investigate the potential for soil vapor intrusion will be evaluated at nearby structures where access is permitted to determine the potential for exposure to site-related contaminants. The OU2 investigation is tentatively scheduled to begin in the summer of 2009. Exposure to contaminants in the lagoon are not expected because they are primarily found at depth; three to six feet beneath the bottom of the lagoon. However, it is not recommended that children trespass on this inactive hazardous waste disposal site due to the presence of contaminants in soil and physical hazards. Further, eating raspberries or anything else obtained from the unremediated site is not recommended.

COMMENT 6: Could the home by the lagoon be impacted by metals in the lagoon? Could metals in groundwater migrate towards their house?

RESPONSE 6: It is not likely that the referenced house is impacted by contamination from the lagoon. The metals in the lagoon sediments are not mobile, except to the extent that the metals have impacted groundwater. Groundwater flows in a northwesterly direction toward Wappinger Creek and away from homes. The groundwater is not being consumed and public water is supplied the area and to the referenced house. Further, the metals do not volatilize and therefore do not pose a soil vapor concern.

COMMENT 7: Could soil vapor from the VOCs on-site be impacting off-site houses? Are off-site residences in danger of soil vapor impacts like the problem in East Fishkill? Is this a concern for outdoor air quality?

RESPONSE 7: The potential for indoor air in off-site residences to be impacted by site-related volatile organic compounds is expected to be minimal because groundwater containing low level volatile organic compounds flows in a northerly direction toward Wappinger Creek and away from homes. However, to investigate this potential exposure pathway, the State will conduct a soil vapor intrusion investigation at the closest occupied residence and the active commercial business. The VOCs are not a concern for outdoor air quality, as the levels become very dilute once they mix with outside air. Further, the remedy selected will minimize the potential of future impacts.

COMMENT 8: How is the community effected by the former plating vats? Was any air quality testing done with regards to the vats?

RESPONSE 8: The community has not been impacted by the vats. Metals are the primary contaminants in

the vats. The contaminants within the vats are not volatile; therefore, no air quality testing was done with regards to the vats.

COMMENT 9: Are there any possible remedies between Alternatives 4 and 5?

RESPONSE 9: Yes, however, the selected remedy represents the approach that the Department believes will best accomplish the remedial goals and satisfy the remedy selection criteria.

COMMENT 10: Can the site be used for backyards or houses? Would it be possible for a future owner to remediate a portion of land to a residential standard in the future?

RESPONSE 10: The selected remedy would allow commercial or industrial uses only. See 6 NYCRR 375-1.8(g) for the activities permitted under these use categories. Residential activities would not be permitted under the remedy. To the extent that residential use is planned in the future, a change of use notification to the Department is required. Additional remedial activities approved by the Department would be required in order to accommodate residential use.

COMMENT 11: I was involved with similar site in the 1990s where soil was treated before removal to "tighten up toxins", so soil would be safer during transport. Will this be done here, and how and where will contamination be stored? On another project years ago, the soil was excavated and washed.

RESPONSE 11: Heavily contaminated soil is sometimes solidified with cement or similar material to minimize the migration and leaching of the metals. This type of solidification/stabilization is not typically applied to material transported off-site. During the remedial design, it will be determined whether solidification/stabilization measures are necessary. Additionally, the location of any storage or disposal will be determined during the remedial design.

COMMENT 12: Who pays the annual $150,000 operation, maintenance and monitoring (OM&M) costs estimated for the selected remedy?

RESPONSE 12: After a remedy is selected in a Record of Decision, the Department routinely contacts a responsible party and offers such party the opportunity to enter into a consent order to perform the remedy using its own funds. These discussions result in consent orders being issued providing for responsible party funded cleanups. In the event that a responsible party is unwilling or unable to perform the work, the Department will use State Superfund moneys to perform the work and attempt to recover the costs from that responsible party.

COMMENT 13: It has been a long road to get to this point. As a property owner near the site in the industrial park, I'd like to know if there will be any restriction on parcels, and if so, who sets the criteria and how? Also, what does a commercial restriction mean? In the future if someone wants to remediate a portion of the land to a residential standard, would that be possible?

RESPONSE 13: The remedy requires an environmental easement, which will restrict use of the site to commercial or industrial uses. In accordance with Section 375-1.8(g)(2)(iii) of 6NYCRR, commercial use is defined as the land use category which shall be only considered for the primary purpose of buying, selling or trading of merchandise or services. Commercial use includes passive recreational uses, which are public uses with limited potential for soil contact. Any restrictions on the site required by the remedy will be dictated in the site management plan approved by the Department. An institutional control in the form of

an environmental easement will require the site owner to implement the SMP. Also see Responses 10 and 12.

COMMENT 14: Leaks in the water supply piping in the industrial park have been repaired ten times in the last fifteen years. Is the contamination causing the leaks?

RESPONSE 14: It is unlikely but the cause of water supply failures was not evaluated during the remedial program.

COMMENT 15: How long will the soil covers last, will they wear away with time?

RESPONSE 15: The remedy requires an environmental easement and Site Management Plan (SMP). These documents will require that the soil cover be maintained continuously. Any change (e.g., through erosion, construction, etc.) would need to repaired in accordance with the SMP. The property owner will submit to the Department a periodic certification that will include certification that the the soil cover and other engineering controls put in place are still in place and remain unchanged.

COMMENT 16: I have concerns over the excavation at the Axton Cross building. How will access to existing business be maintained? How will the existing septic system, which is in the area of the proposed excavation, be maintained?

RESPONSE 16: Disruptions to local activity (including commercial business) and to the community in general will be minimized as much as practical, similar to other construction projects. The design will also consider the active septic system and the remedy will be conducted to prevent damage to the system.

COMMENT 17: Has the land ever been considered for recreation, such as a passive greenway? Eagles live in the area and there are trails in the vicinity.

RESPONSE 17: The actual use of the property, so long as it is consistent with the restrictions set forth in this record of decision, are beyond the scope of this document. It is noted that the commercial use category allows for passive recreational activities such as a greenway.

COMMENT 18: Will remediation remove or treat contaminated dirt? What happens to soil taken away?

RESPONSE 18: The remedy primarily consists of excavation and off-site disposal of contaminated soil and placement of a cover system. The fate of excavated material will be determined during the remedial design. Generally, the excavated material will be sampled and analyzed prior to off-site disposal. The excavated material will be taken to an approved facility.

COMMENT 19: Do businesses and residents have to leave during the remediation? Has the air in the general area been tested? I live four doors away from this site.

RESPONSE 19: During remediation activities, controls, such as dust suppression, will be employed to mitigate impacts beyond the work zones. A community air monitoring plan (CAMP) will be implemented during all ground intrusive activities. The CAMP requires real-time monitoring of volatile organic compounds and particulates at the down-wind perimeter of the work site to provide a measure of protection for residences and businesses not directly involved in the site activities. If background values are exceeded, mitigation actions will be taken. Efforts will be made to stage all remediation-related equipment in

locations that will not adversely effect local residences and disrupt businesses in the industrial park. See also the Responses to Comments #7, 8 and 16.

COMMENT 20: How will the soil removal be done? Will trucks drive through Village streets?

RESPONSE 20: The actual methods and truck routes will be determined during the remedial design. Generally, the excavations are conducted with typical excavation equipment. The deeper excavations will require shoring to prevent side wall collapses. In the case of the Axton Cross building, further shoring efforts may be necessary to ensure the stability of the building foundation. Trucks leaving the site will be directed to avoid most of the Village and take county roads where feasible. A health and saftey plan will be developed during the design stage which will require trucks to be covered, their tires to be washed and the exterior of dump haulers cleaned before leaving the site.

COMMENT 21: How long before the clean up starts?

RESPONSE 21: Implementation of the remedy will occur after a consent order is negotiated or, if such negotiations fail, after the state takes over. This process could take six or more months. The remedy will then be designed and a remediation contractor will be selected through a typical bidding process. This entire process will take approximately two years before remediation starts.

COMMENT 22: Wasn't the referral process to identify a responsible party conducted earlier prior to the remedial investigation? Why do it again?

RESPONSE 22: The "referral process" is conducted prior to any major phases of the investigation and remediation process. Also, a research of the site's industrial history identified other potentially responsible parties.

COMMENT 23: Once clean up is done, what assurance is received from the State, for people wanting to bid on the property?

RESPONSE 23: Interested parties are able to review Department records detailing the investigation and remediation at the site.

COMMENT 24: If clean up cost exceeds the estimate, does clean up stop at that point?

RESPONSE 24: No. The remediation will not cease if the cost estimate is exceeded. The capital costs for remediation are an estimate and are subject to change.

COMMENT 25: Once bids are awarded and remediation begins, how long will it take for the project to be completed?

RESPONSE 25: It is estimated that the remediation activities will take two construction seasons.

COMMENT 26: If I want to buy any part of the site from the current owner, are they required to put money in escrow for future owners for operation and maintenance?

RESPONSE 26: No. See also Response to Comment #12.

COMMENT 27: Did you determine if groundwater and the lagoon is under influence of Wappinger Creek?

RESPONSE 27: On-site groundwater and the lagoon are influenced by the four-foot tidal cycle of the creek.

COMMENT 28: I understand the creek has been separated from OU-1. Is dredging being anticipated to clean up the creek?

RESPONSE 28: An operable unit represents a portion of the site remedy that for technical or administrative reasons can be addressed separately to eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. Further creek investigation activities, and any necessary remediation, will be conducted under OU2. It is premature to discuss remedial alternatives relative to OU-2.

COMMENT 29: Are the catch and release signs for fishing that are posted at Wappinger Lake due to the contamination from this site? Is this because we may catch fish impacted by contamination from this site?

RESPONSE 29: Wappinger Lake, which is well upstream, is not impacted by the site. The Departments Division of Fish, Wildlife and Marine Resources states that Wappinger Lake is generally not catch and release except for off-season bass fishing between November 1 and May 31.

COMMENT 30: The developer may want to redevelop the building 15/16/17 area first. Can construction be done in stages? Can redevelopment of portions of the site be done concurrently with remedation activities?

RESPONSE 30: Disruptions to redevelopment plans will be minimized as much as practical, similar to other construction projects. The developer should discuss its plans with the Department early in the planning stages so accommodations, if any, can be made.

COMMENT 31: Can the site be redeveloped before OU-2, Wappinger Creek, is done?

RESPONSE 31: Yes.

Lou Snell, President of W.F. Estuary Associates, Inc. submitted a letter (dated March 20, 2009) which included the following comment:

COMMENT 32: I would like to see the MGP area as a COMMUNITY PARK with the lagoon property being the PARKING AREA and entrance.

Your proposed remedial MGP plan should be perfect in creating 400' of pristine accessible creek shoreline and a grassy picnic area 100 foot from the creek. I foresee this effort as an opportunity to create a 11/2 acre Greenway public park with picnicking, bass fishing, canoeing, and watching the eagles and herons on the wooded Greenway slopes located across the creek. Your proposed clean-up will give this result. However, the area will be landlocked behind #17 and #21 McKinley residences.

The Lagoon property has 50 foot of frontage on McKinley Street, and goes back 300 feet toward the creek, and has 100' coincident with the MGP property line. This will be excellent entry parking for up to 30 cars.

All you have to do is redefine your "lagoon restoration plan" to a "lagoon elimination plan".

RESPONSE 32: The final use of the MGP area is beyond the scope of this document and will not be determined by the Department. It is noted that the lagoon is a natural habitat. The United States Fish and Wildlife Service includes the lagoon as a palustrine wetland in their National Wetland Inventory. Also, the New York State Department of State's (DOS) Division of Coastal Resources has deemed Wappinger Creek and the lagoon as a Significant Coastal Fish and Wildlife Habitat. The DOS specifically states that land and water uses or development shall not be undertaken if such actions would destroy the habitat or significantly impair the viability of a habitat. The remedy planned for the lagoon is expected to improve the habitat.

Village of Wappingers Falls Matthew Alexander submitted a letter (dated March 26, 2009) which included the following comment:

COMMENT 33 : As you are aware, the Village of Wappingers Falls has a water distribution line that goes through the Three Start Anodizing site in the Village of Wappingers Falls on the Town of Wappingers side of Wappinger Creek. The water main then crosses the creek on the old bridge and serves the buildings and businesses on the Town of Poughkeepsie side of the Bleachery complex. It is a one-way feed. It is requested by the Village of Wappingers Falls that the State include in its plan the relocation and reconstruction of the water main and services as it traverses the site with a properly designed pipe. We further request that the NYSDEC pay for this reconstruction as it is necessitated by direct result of the contamination. We further ask that the State conduct a study to determine the appropriate location of the new pipe, and involve the Village's staff and engineering consultants in the preparation of this study.

RESPONSE 33: During the remedial design, the Department will evaluate whether, and to what extent, that the water line needs to be addressed.

Village of Wappingers Falls Matthew Alexander submitted a letter (dated March 26, 2009) which included the following comments 34 through 38:

COMMENT 34: The Village requests that the DEC does not restrict the post- remediation usage of the property to industrial use only and allows for mixed use purposes which would include a community center on the bottom floors and residential usage on upper floors. We would like this noted in the Record of Decision.

RESPONSE 34: See Response to Comments 10, 13, and 17.

COMMENT 35: The Village is concerned that its local roads be overly taxed and residents of Ward 2 on Market Street burdened by the removal of the hazardous material on the site. We request that the DEC use Creek Road, a County Road out to Route 9 for removal of all contaminants.

RESPONSE 35: The traffic routes will be selected during the remedial design. Remediation-related traffic could be directed to use county roads to avoid the densely populated areas of the Village. However, any roads used for the such traffic must be permitted to handle the heavy loads expected.

COMMENT 36: The Village would like the remediation activity on the site to be limited to weekday activities and be active between the hours of 8 am and 6 pm. This restriction would ease the annoyance caused by necessary vibration, noise and dust.

RESPONSE 36: Disruptions to the community will be minimized as much as practical, similar to other construction projects. While we are mindful to minimize impacts to the community, restricting remedial activities to the time period of 8 am to 6 pm would cause significant inconvenience to remediation contractors and would likely extend the duration of the site remediation and be more costly. Remediation and construction contractors generally commence work at 7 am or earlier. Remediation activities at the Three Star site include a lot of off-site disposal of contaminated material and debris. Any facility that accepts contaminated wastes for final disposal must be a lined, permitted and maintained landfill that may be a significant distance from the site. In the interest of convenience and safety, it is preferred that loads departing the site reach their disposal destination and return during daylight hours. In some cases, early departure from the site may allow for more than one trip a day. See also Response to Comment #37 below, regarding implementation of a community air monitoring plan during remediation activities.

COMMENT 37: The Village requests that the remediation activities plan to mitigate all disturbances caused by necessary construction activity and dewatering activities and its impact on adjacent residential and commercial structures.

RESPONSE 37: Disruptions to the community will be minimized as much as practical, similar to other construction projects. See Response to Comment #19.

COMMENT 38: The Village asks that the Remediation Plan take into account necessary security for the site during the construction to protect our youth from an attractive nuisance.

RESPONSE 38: The fence constructed in January 2009 around the Building 15/16/17 and Building 21/22 areas will remain in place throughout remedial construction.

APPENDIX B

Administrative Record

Administrative Record
Three Star Anodizing
Operable Unit No. 1
Site No. 314058

1. Proposed Remedial Action Plan for the Three Star Anodizing site, Operable Unit No. 1, dated February 2009, prepared by the Department.

2. "Final Work Plan, Three Star Anodizing Site, Wappingers Falls, NY, Remedial Investigation," March 2001, O'Brien & Gere Engineers, Inc.

3. "Work Plan Addendum, Three Star Anodizing Site, Wappingers Falls, NY, Phase II Remedial Investigation," September 2002, O'Brien & Gere Engineers, Inc.

4. "Three Star IRM Report," June 28, 2007, O'Brien & Gere Engineers, Inc.

5. "Three Star Anodizing Site, Wappingers Falls, NY, Remedial Investigation," October 2007, O'Brien & Gere Engineers, Inc.

6. "Three Star Anodizing Site, Wappingers Falls, NY, Supplemental Remedial Investigation of Former Metal Plating Vats," October 2007, O'Brien & Gere Engineers, Inc.

7. "Three Star Anodizing Site, Wappingers Falls, NY, Remedial Investigation of Wappingers Creek," November 2007, O'Brien & Gere Engineers, Inc.

8. "Three Star Anodizing Site, Wappingers Falls, NY, Report Feasibility Study," November 2007, O'Brien & Gere Engineers, Inc.

9. "Demolition Asbestos Survey, Three Star Anodizing Site, Market Street Industrial Park, One McKinley Street, Wappingers Falls, New York," May 2008, Hillmann Environmental Group, LLC

10. "U.S. Environmental Protection Agency, Region II, Pollution Report," One (1) Initial, August 25, 2004, U.S. Environmental Protection Agency

11. "U.S. Environmental Protection Agency, Region II, Pollution Report," Two (2), August 25, 2004, U.S. Environmental Protection Agency

12. "U.S. Environmental Protection Agency, Region II, Pollution Report," Three (3), August 26, 2004, U.S. Environmental Protection Agency

13. "U.S. Environmental Protection Agency, Region II, Pollution Report," Four (4) and Final, April 24, 2006, U.S. Environmental Protection Agency

14. Referral Memorandum dated March 3, 2000 for a remedial investigation / feasibility study.

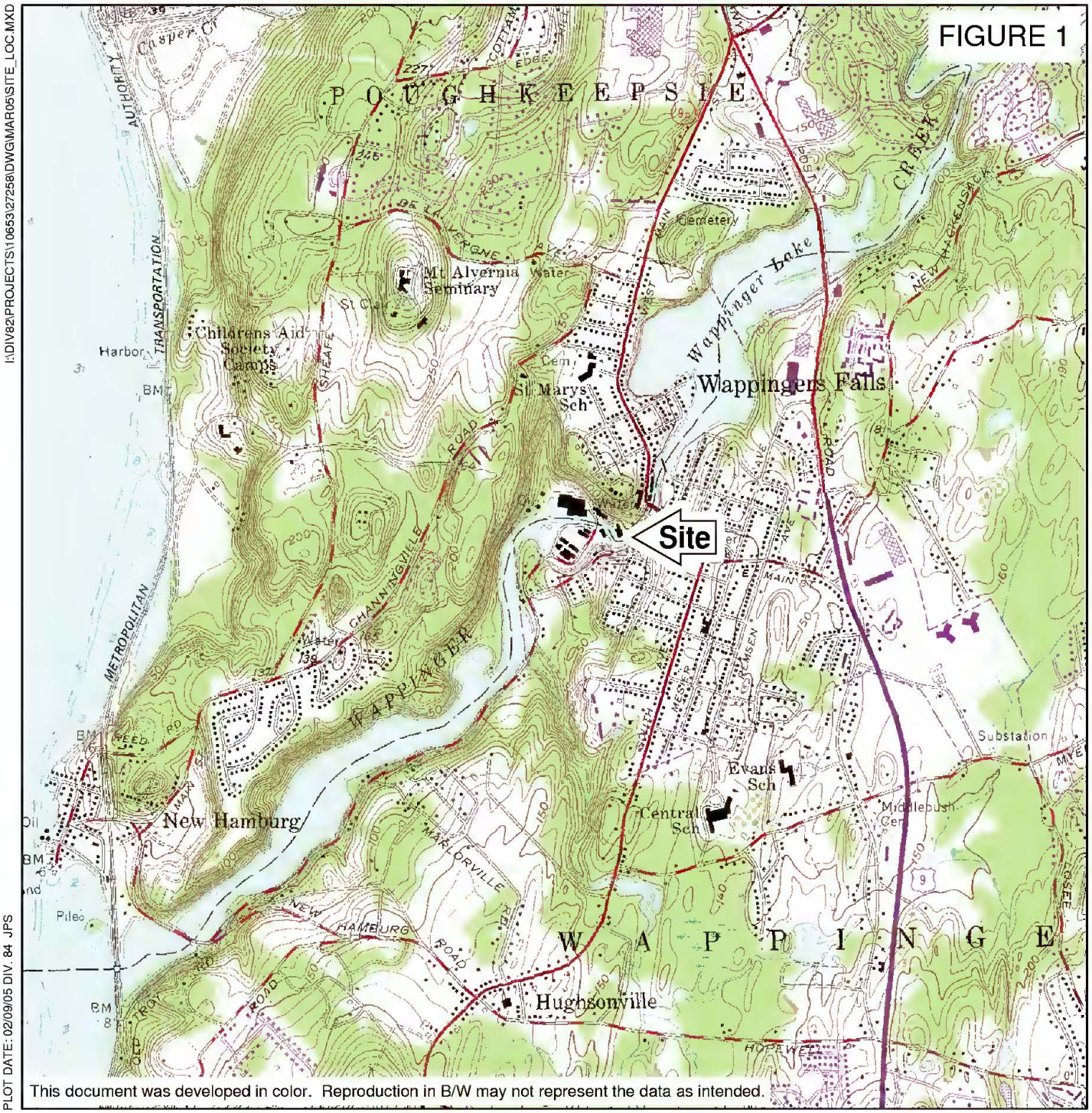
15. Fact sheet / meeting notice, February 2009

16. Letter dated March 9, 2009 from Matthew Alexander, Mayor, Wappingers Falls.

17. Letter dated March 20, 2009 from Lou Snell, President of W.F. Estuary Associates, Inc.

18. Letter #1 dated March 26, 2009 from Matthew Alexander, Mayor, Wappingers Falls.

19. Letter #2 dated March 26, 2009 from Matthew Alexander, Mayor, Wappingers Falls.



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PLOT DATE: 02/09/05 DIV. 84 JPS

ADAPTED FROM: WAPPINGER FALLS,NY USGS QUADRANGLE

QUADRANGLE LOCATION

NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
THREE STAR ANODIZING SITE
WAPPINGERS FALLS, NEW YORK

SITE LOCATION

0 1,000 2,000 4,000 6,000 8,000

Feet

1:24,000

10653.27258
NOVEMBER 2007

O'BRIEN & GERE ENGINEERS, INC.

Map Source: Orthophoto Image, 2004, OCSCIC.

New York State
Department of Environmental Conservation

Division of Environmental Remediation

Investigation Areas

Figure 2

Three Star Anodizing
(Site #314058)
Wappingers Falls
New York

Legend

Site Investigation Areas

Former Gas Holder

0 25 50 100 150 200
Feet

Oct 25, 2007 – 8:00am

SS-MGP7
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
tPAHs	Ind	Ind	**140**	**77**
Sb	NS	(0.6)	1.2	3.2
As	16	13	--	14
Cd	9.3	2.5	2.1	3.2
Cu	270	50	124	148
Pb	1000	63	244	310
Hg	2.8	0.18	0.67	1.1
Ni	310	30	36	--
Zn	10000	109	396	392

SS-11
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
PCE	150	1.3	--	43
Sb	NS	(0.6)	0.7	--
Cr	1500	30	77	70
Cu	270	50	115	--
Pb	1000	63	75	79
Hg	2.8	0.18	0.5	2.7
Ni	310	30	**2310**	51
Zn	10000	109	184	--

SS-12
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 1.4 ft
Sb	NS	(0.6)	1	--
Pb	1000	63	90	--
Hg	2.8	0.18	0.41	0.2
Ni	310	30	34	35
Zn	10000	109	160	--

SS-09
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 1.3 ft
Sb	NS	(0.6)	--	1.3
Cd	9.3	2.5	7.9	--
Pb	1000	63	--	125
Hg	2.8	0.18	0.18	0.34
Zn	10000	109		119

SS-15
Screening Values

Parameter	Commercial	Unrestrict	Surface
Sb	NS	0.6	1
Hg	2.8	0.18	0.38

SS-16
Screening Values

Parameter	Commercial	Unrestrict	0.3 to 0.4 ft
No data above screening values			

SS-13
Screening Values

Parameter	Commercial	Unrestrict	Surface
tPAH	Ind	Ind	**834**
Sb	NS	(0.6)	2.6
Cu	270	50	75
Pb	1000	63	224
Hg	2.8	0.18	0.95
Ni	310	30	39
Zn	10000	109	451

SS-14
Screening Values

Parameter	Commercial	Unrestrict	Surface
tPAHs	Ind	Ind	**109**
Sb	NS	(0.6)	7.4
As	16	13	14
Cd	9.3	2.5	2.8
Cr	1500	30	31
Cu	270	50	**441**
Pb	1000	63	**666**
Hg	2.8	0.18	0.84
Ni	310	30	40
Zn	10000	109	752

SS-MGP6
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
tPAHs	Ind	Ind	10	**227**
Cu	270	50	63	59
Pb	1000	63	97	100
Hg	2.8	0.18	0.20	0.21
Ni	310	30	34	--
Zn	10000	109	146	148

TP-04
Screening Values

Parameter	Commercial	Unrestrict	0.5 to 2.5 ft	Cinders
tPAHs	Ind	Ind	**425**	**1670**
Sb	NS	(0.6)	1.1	--
Hg	2.8	0.18	0.24	--
Zn	10000	109	114	--

SS-MGP3
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
tPAHs	Ind	Ind	**67**	**129**
Sb	NS	(0.6)	0.7	1.3
Cd	9.3	2.5	5.7	2.9
Cu	270	50	111	141
Pb	1000	63	225	223
Hg	2.8	0.18	1.4	1.3
Ni	310	30	39	35
Zn	10000	109	263	263

SS-MGP2
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
tPAHs	Ind	Ind	--	**133**
Sb	NS	(0.6)	4.3	--
As	16	13	41	18
Cd	9.3	2.5	55	4.3
Cr	1500	30	158	--
Cr (hex)	400	1	12	--
Cu	270	50	73	94
Pb	1000	63	462	266
Hg	2.8	0.18	2.3	1.0
Ni	310	30	30	--
Zn	10000	109	606	456

TP-12
Screening Values

Parameter	Commercial	Unrestrict	0 to 2 ft
tPAHs	Ind	Ind	**235**

SS-MGP1
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
tPAHs	Ind	Ind	11	--
Sb	NS	(0.6)	--	1.2
As	16	13	**14**	**37**
Cd	9.3	2.5	7.2	5.7
Cr	1500	30	--	85
Cr (Hex)	400	1	12	--
Cu	270	50	102	94
Pb	1000	63	**1160**	184
Hg	2.8	0.18	1.5	0.26
Ni	310	30	31	--
Zn	10000	109	2570	236

SS-MGP4
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
No data above screening values				

SS-MGP5
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
Hg	2.8	0.18	--	0.21
Zn	10000	109	126	122

SS-10
Screening Values

Parameter	Commercial	Unrestrict	Surface	1 to 1.2 ft
tPAHs	Ind	Ind	ns	13
Sb	NS	(0.6)	ns	1.1
Cd	9.3	2.5	ns	2.9
Cr	1500	30	ns	118
Cu	270	50	ns	99
Pb	1000	63	ns	120
Hg	2.8	0.18	ns	**31**
Ag	1500	2	ns	6.3
Zn	10000	109	ns	126

MW-1
Screening Values

Parameter	Commercial	Unrestrict	0.5 to 2.5 ft
TCE	200	0.47	1.7
tPAHs	Ind	Ind	**183**
Pb	1000	63	127
Hg	2.8	0.18	0.25
Zn	10000	109	115.0

SS-04
Screening Values

Parameter	Commercial	Unrestrict	0 to 1.7 ft
Sb	NS	(0.6)	1.4
Cd	9.3	2.5	**11**
Cr	1500	30	58
Cu	270	50	182
Pb	1000	63	934
Hg	2.8	0.18	0.91
Ni	310	30	196
Zn	10000	109	254

MW-12
Screening Values

Parameter	Commercial	Unrestrict	0 to 2 ft
Cr	1500	30	67
Cu	270	50	147
Hg	2.8	0.18	1.5
Ni	310	30	44
Zn	10000	109	145

SS-05
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
Cd	9.3	2.5	6.8	--
Ni	310	30	40	--
Zn	10000	109	333	--

SS-17
Screening Values

Parameter	Commercial	Unrestrict	0.2 to 0.3 ft
tPAHs	Ind	Ind	11
Sb	NS	(0.6)	3.5
Pb	1000	63	81
Hg	2.8	0.18	0.6
Zn	10000	109	149

SS-18
Screening Values

Parameter	Commercial	Unrestrict	0-0.8 ft
Pb	1000	63	154

SS-03
Screening Values

Parameter	Commercial	Unrestrict	Surface
Sb	NS	(0.6)	2.2
Cd	9.3	2.5	9.2
Cr	1500	30	34
Cu	270	50	174
Pb	1000	63	342
Hg	2.8	0.18	0.88
Ni	310	30	62
Zn	10000	109	266

SS-06
Screening Values

Parameter	Commercial	Unrestrict	Surface
tPAHs	Ind	Ind	8.9
Cd	9.3	2.5	36
Cr	1500	30	123
Cu	270	50	**611**
Pb	1000	63	217
Hg	2.8	0.18	1.4
Ni	310	30	109
Zn	10000	109	357

MW-7
Screening Values

Parameter	Commercial	Unrestrict	0 to 0.5 ft
tPAHs	Ind	Ind	8.4
Sb	NS	(0.6)	1.2
Cd	9.3	2.5	81
Cr	1500	30	216
Cu	270	50	**453**
Pb	1000	63	397
Hg	2.8	0.18	0.65
Ni	310	30	274
Zn	10000	109	547

SS-05
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 1.3 ft
Pb	1000	63	77	--
Hg	2.8	0.18	0.22	--
Zn	10000	109	149	--

SS-01
Screening Values

Parameter	Commercial	Unrestrict	Surface	0 to 2 ft
Sb	NS	(0.6)	2.1	1.6
Cd	9.3	2.5	7.6	16
Cr	1500	30	157	**6260**
Cu	270	50	163	**2140**
Pb	1000	63	263	**1100**
Hg	2.8	0.18	0.88	1.5
Ni	310	30	128	**603**
Zn	10000	109	497	558
CN	27	27	--	**64**

MAXIMUM BACKGROUND

Parameter	Abrev.	Surface	0 to 2 ft
Total Polycyclic aromatic hydrocarbons	tPAHs	7.3	4.8
Aluminum	Al	15,100	17,000
Antimony	Sb	<0.6	0.89
Arsenic	As	16	22
Cadmium	Cd	5.4	0.99
Chromium	Cr	20	22
Hexavalent chromium	Hex Cr	4.5	<5
Copper	Cu	79	66
Lead	Pb	497	444
Mercury	Hg	0.84	0.81
Nickel	Ni	28	25
Selenium	Se	1.7	1.5
Silver	Ag	0.42	0.47
Zinc	Zn	525	303
Cyanide, total	CN	2.7	2.9

Notes:
- Surface soil data represent the 0 to 2 inch surface interval.
- Concentrations are presented in mg/Kg, dry weight.
- "--" indicates concentration below screening value.
- Part 375 screening values for unrestricted and commercial uses are presented, except as noted by ( ) indicating TAGM screening values for antimony and thallium which do not have Part 375 screening values.
- Concentrations presented in **bold font** exceed the Part 375 screening value for commercial uses.
- For PAHs, total PAH (tPAH) concentrations are presented for samples with at least one individual PAH (Ind) above Part 375 screening values. tPAH concentrations are presented in **bold font** when at least one individual PAH (Ind) exceeded a Part 375 screening value for commercial uses. Individual PAH concentrations and screening values are not presented. See report tables for individual PAH concentrations.
- NS = no screening value; ns = not sampled.
- Trace levels of pesticides and PCBs detected above Part 375 screening values for unrestricted uses are not presented in the figure. See Site RI Report tables.

FIGURE 3

LEGEND

TP–04	TEST PIT
SS–14	SURFACE SOIL SAMPLE
SB–9	SOIL BORING
MW–8	MONITORING WELL LOCATION
BMW–3	DEEP MONITORING WELL LOCATION

NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

THREE STAR
ANODIZING SITE
WAPPINGERS FALLS,
NEW YORK

SURFACE SOIL DATA

1"=80' 80 0 80

FILE NO.10653.37062.005
OCTOBER 2007

O'BRIEN & GERE ENGINEERS, INC.

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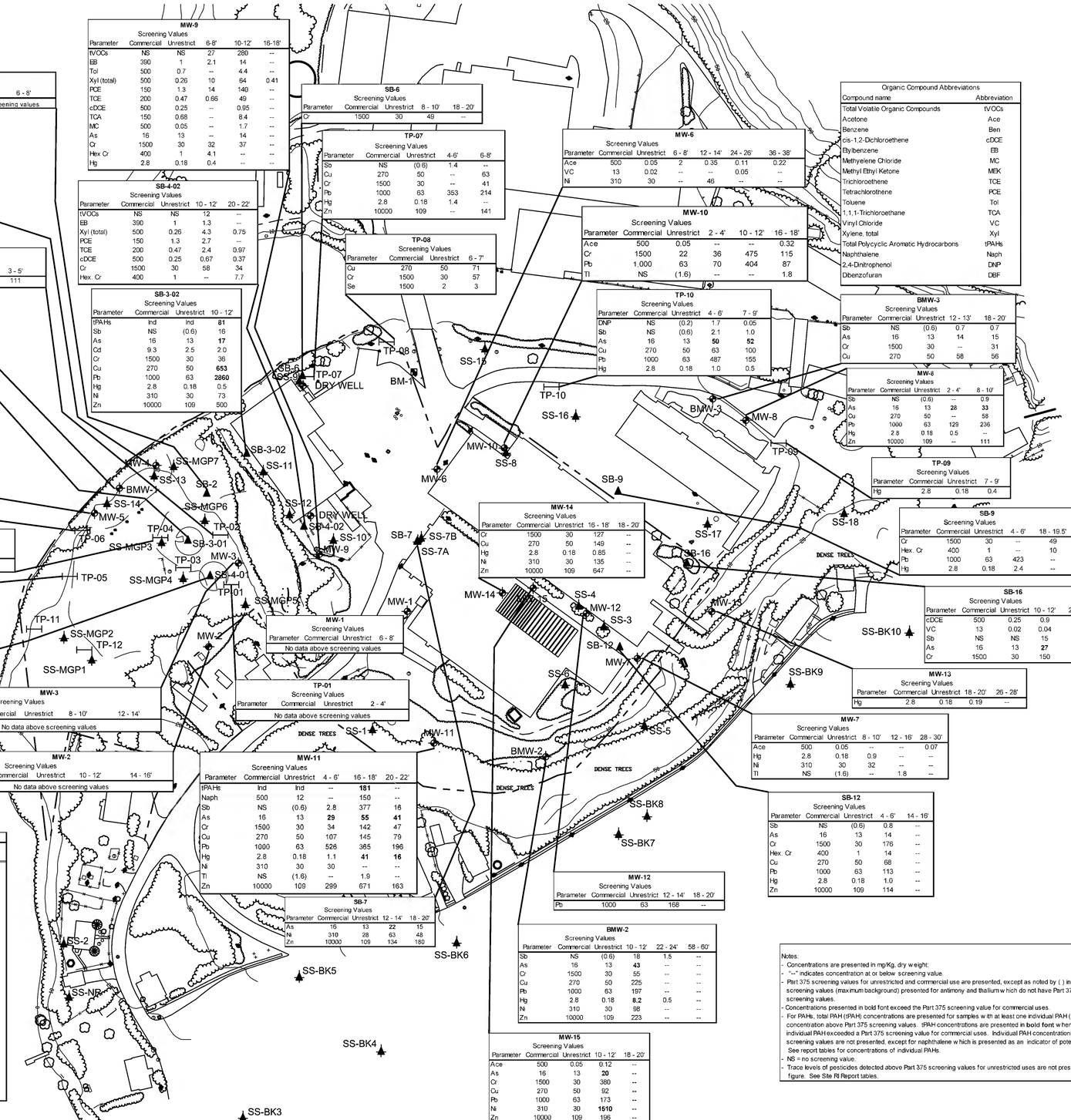
Oct 25, 2007 – 7:59am



MW-4

Parameter	Screening Values Commercial	Unrestrict	12 - 14'	14 - 16'	18 - 20'
Ben	44	0.06	--	0.25	0.065
tPAHs	Ind	Ind	**288**	**1242**	--
Naph	500	12	--	290	--
DBF	350	7	--	54	--
Sb	NS	(0.6)	1.2	180	1.2
As	16	13	--	**39**	--
Cd	9.3	2.5	**14**	**18**	--
Cr	1500	30	--	257	129
Cu	270	50	85	201	--
Pb	1000	63	115	506	86
Hg	2.8	0.18	**6.7**	**249**	**16**
Zn	10000	109	473	2000	243
Total CN	27	27	--	39	--

SB-2

Parameter	Screening Value	6 - 8'
No data above screening values		

MW-9

Parameter	Screening Values Commercial	Unrestrict	6-8'	10-12'	16-18'
tVOCs	NS	NS	27	280	--
EB	390	1	2.1	14	--
Tol	500	0.7	--	4.4	--
Xyl (total)	500	0.26	10	64	0.41
PCE	150	1.3	14	140	--
TCE	200	0.47	0.66	49	--
cDCE	500	0.25	--	0.85	--
TCA	150	0.68	--	8.4	--
MC	500	0.05	--	1.7	--
As	16	13	--	14	--
Cr	1500	30	32	37	--
Hex Cr	400	1	4.1	--	--
Hg	2.8	0.18	0.4	--	--

SB-6

Parameter	Screening Values Commercial	Unrestrict	8 - 10'	18 - 20'
Cr	1500	30	49	--

TP-07

Parameter	Screening Values Commercial	Unrestrict	4-6'	6-8'
Sb	NS	(0.6)	1.4	--
Cu	270	50	--	63
Cr	1500	30	--	41
Pb	1000	63	353	214
Hg	2.8	0.18	1.4	--
Zn	10000	109	--	141

MW-6

Parameter	Screening Values Commercial	Unrestrict	6 - 8'	12 - 14'	24 - 26'	36 - 38'
Ace	500	0.05	2	0.35	0.11	0.22
VC	13	0.02	--	--	0.05	--
Ni	310	30	--	46	--	--

Organic Compound Abbreviations

Compound name	Abbreviation
Total Volatile Organic Compounds	tVOCs
Acetone	Ace
Benzene	Ben
cis-1,2-Dichloroethene	cDCE
Ethylbenzene	EB
Methyelene Chloride	MC
Methyl Ethyl Ketone	MEK
Trichloroethene	TCE
Tetrachloroethene	PCE
Toluene	Tol
1,1,1-Trichloroethane	TCA
Vinyl Chloride	VC
Xylene, total	Xyl
Total Polycyclic Aromatic Hydrocarbons	tPAHs
Naphthalene	Naph
2,4-Dinitrophenol	DNP
Dibenzofuran	DBF

SB-4-02

Parameter	Screening Values Commercial	Unrestrict	10 - 12'	20 - 22'
tVOCs	NS	NS	12	--
EB	390	1	1.3	--
Xyl (total)	500	0.26	4.3	0.75
PCE	150	1.3	2.7	--
TCE	200	0.47	2.4	0.97
cDCE	500	0.25	0.67	0.37
Cr	1500	30	58	34
Hex. Cr	400	1	--	7.7

MW-10

Parameter	Screening Values Commercial	Unrestrict	2 - 4'	10 - 12'	16 - 18'
Ace	500	0.05	--	--	0.32
Cr	1500	22	36	475	115
Pb	1,000	63	70	404	87
Tl	NS	(1.6)	--	--	1.8

TP-08

Parameter	Screening Values Commercial	Unrestrict	6 - 7'
Cu	270	50	71
Cr	1500	30	57
Se	1500	2	3

TP-02

Parameter	Screening Values Commercial	Unrestrict	3 - 5'
Zn	10000	109	111

BMW-1

Parameter	Screening Values Commercial	Unrestrict	20 - 22'	28 - 30'	38 - 40'
Ben	44	0.06	0.26	0.27	--
Xyl (total)	500	0.26	--	3.1	--
tPAHs	Ind	Ind	--	**419**	--
Naph	500	12	--	78	--
DBF	350	7	--	21	--

SB-3-02

Parameter	Screening Values Commercial	Unrestrict	10 - 12'
tPAHs	Ind	Ind	**81**
Sb	NS	(0.6)	16
As	16	13	**17**
Cd	9.3	2.5	2.0
Cr	1500	30	36
Cu	270	50	**653**
Pb	1000	63	**2860**
Hg	2.8	0.18	0.5
Ni	310	30	73
Zn	10000	109	500

TP-10

Parameter	Screening Values Commercial	Unrestrict	4 - 6'	7 - 9'
DNP	NS	(0.2)	1.7	0.05
Sb	NS	(0.6)	2.1	1.0
As	16	13	**50**	**52**
Cu	270	50	63	100
Pb	1000	63	487	155
Hg	2.8	0.18	1.0	0.5

BMW-3

Parameter	Screening Values Commercial	Unrestrict	12 - 13'	18 - 20'
Sb	NS	(0.6)	0.7	0.7
As	16	13	14	15
Cr	1500	30	--	31
Cu	270	50	58	56

MW-8

Parameter	Screening Values Commercial	Unrestrict	2 - 4'	8 - 10'
Sb	NS	(0.6)	--	0.9
As	16	13	**28**	**33**
Cu	270	50	--	58
Pb	1000	63	129	236
Hg	2.8	0.18	0.5	--
Zn	10000	109	--	**111**

SB-3-01

Parameter	Screening Values Commercial	Unrestrict	8 - 10'	10 - 14'	24 - 28'
No data above screening values					

MW-5

Parameter	Screening Values Commercial	Unrestrict	2 - 4'	12 - 14'	14 - 16'	16 - 18'
Ace	500	0.05	--	--	0.09	--
tPAHs	Ind	Ind	**1448**	**795**	**395**	**213**
Naph	500	12	30	--	--	--
DBF	350	7	25	16	--	--
Sb	NS	(0.6)	1.1	0.7	--	--
As	16	13	15	14	--	--
Cr	1500	30	37	150	33	--
Cu	270	50	63	54	--	--
Pb	1000	63	191	90	--	--
Hg	2.8	0.18	2.1	**3.7**	1.8	--
Ni	310	30	--	35	--	--
Zn	10000	109	253	174	--	--

TP-09

Parameter	Screening Values Commercial	Unrestrict	7 - 9'
Hg	2.8	0.18	0.4

TP-06

Parameter	Screening Values Commercial	Unrestrict	5 - 7'
Sb	NS	(0.6)	0.8
Cd	9.3	2.5	2.9
Cu	270	50	85
Pb	1000	63	242
Hg	2.8	0.18	0.3
Zn	10000	109	272

TP-04

Parameter	Screening Values Commercial	Unrestrict	cinders
tPAHs	Ind	Ind	**1670**

MW-14

Parameter	Screening Values Commercial	Unrestrict	16 - 18'	18 - 20'
Cr	1500	30	127	--
Cu	270	50	149	--
Hg	2.8	0.18	0.85	--
Ni	310	30	135	--
Zn	10000	109	647	--

SB-9

Parameter	Screening Values Commercial	Unrestrict	4 - 6'	18 - 19.5'
Cr	1500	30	--	49
Hex. Cr	400	1	--	10
Pb	1000	63	423	--
Hg	2.8	0.18	2.4	--

TP-05

Parameter	Screening Values Commercial	Unrestrict	4 - 6'	9.5 - 10.5'
tPAHs	Ind	Ind	**379**	--
Pb	1000	63	80	101
Zn	10000	109	132	--

SB-16

Parameter	Screening Values Commercial	Unrestrict	10 - 12'	20 - 22'
cDCE	500	0.25	0.9	--
VC	13	0.02	0.04	--
Sb	NS	NS	15	--
As	16	13	**27**	--
Cr	1500	30	150	--

MW-1

Parameter	Screening Values Commercial	Unrestrict	6 - 8'
No data above screening values			

MW-13

Parameter	Screening Values Commercial	Unrestrict	18 - 20'	26 - 28'
Hg	2.8	0.18	0.19	--

SB-4-01

Parameter	Screening Values Commercial	Unrestrict	6 - 8'	8 - 9.2'	10 - 12'
Ben	44	0.06	--	--	0.16
Xyl	500	0.26	--	--	0.37
Ace	500	0.05	--	0.06	0.11
tPAHs	Ind	Ind	**2261**	**388**	**575**
Naph	500	12	14	--	--
Phenol	500	0.33	--	--	0.9
DBF	350	7	15	8.2	9.5
Sb	NS	(0.6)	2.5	--	--
Cr	1500	30	57	--	--
Cu	270	50	94	--	--
Pb	1000	63	**1750**	155	520
Hg	2.8	0.18	1.3	--	--
Zn	10000	109	278	--	--

MW-3

Parameter	Screening Values Commercial	Unrestrict	8 - 10'	12 - 14'
No data above screening values				

TP-01

Parameter	Screening Values Commercial	Unrestrict	2 - 4'
No data above screening values			

MW-7

Parameter	Screening Values Commercial	Unrestrict	8 - 10'	12 - 16'	28 - 30'
Ace	500	0.05	--	--	0.07
Hg	2.8	0.18	0.9	--	--
Ni	310	30	32	--	--
Tl	NS	(1.6)	--	1.8	--

MW-2

Parameter	Screening Values Commercial	Unrestrict	10 - 12'	14 - 16'
No data above screening values				

MW-11

Parameter	Screening Values Commercial	Unrestrict	4 - 6'	16 - 18'	20 - 22'
tPAHs	Ind	Ind	--	**181**	--
Naph	500	12	--	150	--
Sb	NS	(0.6)	2.8	377	16
As	16	13	**29**	**55**	**41**
Cr	1500	30	34	142	47
Cu	270	50	107	145	79
Pb	1000	63	526	365	196
Hg	2.8	0.18	1.1	**41**	**16**
Ni	310	30	30	--	--
Tl	NS	(1.6)	--	1.9	--
Zn	10000	109	299	671	163

SB-12

Parameter	Screening Values Commercial	Unrestrict	4 - 6'	14 - 16'
Sb	NS	(0.6)	0.8	--
As	16	13	14	--
Cr	1500	30	176	--
Hex. Cr	400	1	14	--
Cu	270	50	68	--
Pb	1000	63	113	--
Hg	2.8	0.18	1.0	--
Zn	10000	109	114	--

MW-12

Parameter	Screening Values Commercial	Unrestrict	12 - 14'	18 - 20'
Pb	1000	63	168	--

SB-7

Parameter	Screening Values Commercial	Unrestrict	12 - 14'	18 - 20'
As	16	13	**22**	15
Ni	310	28	63	48
Zn	10000	109	134	180

BMW-2

Parameter	Screening Values Commercial	Unrestrict	10 - 12'	22 - 24'	58 - 60'
Sb	NS	(0.6)	18	1.5	--
As	16	13	**43**	--	--
Cr	1500	30	55	--	--
Cu	270	50	225	--	--
Pb	1000	63	197	--	--
Hg	2.8	0.18	**8.2**	0.5	--
Ni	310	30	98	--	--
Zn	10000	109	223	--	--

MW-15

Parameter	Screening Values Commercial	Unrestrict	10 - 12'	18 - 20'
Ace	500	0.05	0.12	--
As	16	13	**20**	--
Cr	1500	30	380	--
Cu	270	50	92	--
Pb	1000	63	173	--
Ni	310	30	**1510**	--
Zn	10000	109	196	--

Soil Background Reference Concentrations

Parameter		Soil Background Reference Values low	high	Local Background low	high	Screening Value
Aluminum	Al	ND	33,000	6,300	17,000	NS
Antimony	Sb	ND	ND	<0.6	0.6	NS
Arsenic	As	3	12	6	22	13
Barium	Ba	15	600	45	135	350
Beryllium	Be	ND	1.75	0.4	0.8	7.2
Cadmium	Cd	0.1	1	0.4	5.4	2.5
Calcium	Ca	130	35000	971	41,000	NS
Chromium	Cr	1.5	40	13	22	30
Hex. Chrom.	Hex Cr	ND	ND	<5	4.5	1
Cobalt	Co	2.5	60	6	10	NS
Copper	Cu	1	50	22	79	50
Iron	Fe	200	550,000	20,600	32,300	NS
Lead	Pb	200	500	36	497	63
Magnesium	Mg	100	5000	3330	25,700	NS
Manganese	Mn	50	5000	330	1,290	1600
Mercury	Hg	0.001	0.2	0.1	0.8	0.18
Nickel	Ni	0.5	25	17	28	30
Potassium	K	8500	43000	550	1,090	NS
Selenium	Se	0.1	3.9	<0.5	1.7	3.9
Silver	Ag	ND	ND	<0.3	0.5	2
Sodium	Na	6000	8000	43	188	NS
Thallium	Tl	ND	ND	<0.9	2.0	NS
Vanadium	Vn	1	300	19	48	NS
Zinc	Zn	9	50	72	525	109
Cyanide, total	Total CN	ND	ND	<0.7	2.9	27
Cyanide, amen.	Amen CN	ND	ND	<0.7	<0.7	NS

Notes:
- Concentrations are presented in mg/Kg, dry weight.
- "--" indicates concentration at or below screening value.
- Part 375 screening values for unrestricted and commercial use are presented, except as noted by ( ) indicating TAGM screening values (maximum background) presented for antimony and thallium which do not have Part 375 screening values.
- Concentrations presented in bold font exceed the Part 375 screening value for commercial uses.
- For PAHs, total PAH (tPAH) concentrations are presented for samples with at least one individual PAH (Ind) concentration above Part 375 screening values. tPAH concentrations are presented in bold font when at least individual PAH exceeded a Part 375 screening value for commercial uses. Individual PAH concentrations and screening values are not presented, except for naphthalene which is presented as an indicator of potential PAH mobility. See report tables for concentrations of individual PAHs.
- NS = no screening value.
- Trace levels of pesticides detected above Part 375 screening values for unrestricted uses are not presented in the figure. See Site RI Report tables.

FIGURE 4

LEGEND

- TP–04 TEST PIT
- SS–14 SURFACE SOIL SAMPLE
- SB–9 SOIL BORING
- MW–8 MONITORING WELL LOCATION
- BMW–3 DEEP MONITORING WELL LOCATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

THREE STAR ANODIZING SITE WAPPINGERS FALLS, NEW YORK

SOIL BORING DATA

1"=80' 80 0 80

FILE NO.10653.37062.006
OCTOBER 2007

O'BRIEN & GERE ENGINEERS, INC.

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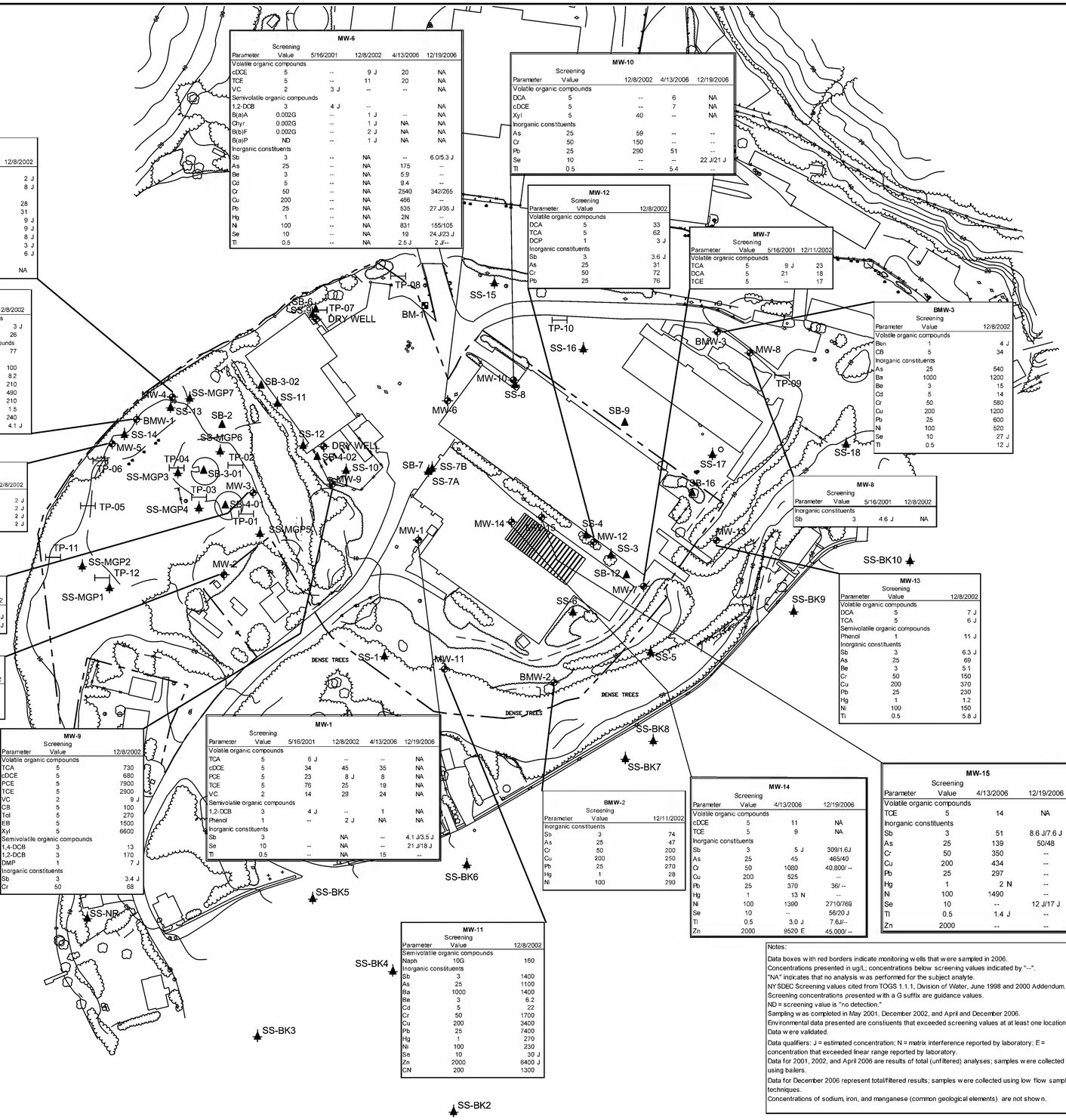
Oct 25, 2007 – 8:01am

FIGURE 5



MW-4

Parameter	Screening Value	5/16/2001	12/8/2002
Volatile organic compounds			
Ben	1	3 J	2 J
VC	2	--	8 J
Semivolatile organic compounds			
Naph	10G		28
AcNe	20G	32	31
B(a)A	0.002G	--	9 J
Chry	0.002G	--	9 J
B(b)F	0.002G	--	8 J
B(k)F	0.002G	--	3 J
B(a)P	ND	--	6 J
Inorganic constituents			
Sb	3	15 J	NA

BMW-1

Parameter	Screening Value	12/8/2002
Volatile organic compounds		
Ben	1	3 J
cDCE	5	26
Semivolatile organic compounds		
Naph	10G	77
Inorganic constituents		
As	25	100
Be	3	8.2
Cr	50	210
Cu	200	490
Pb	25	210
Hg	1	1.5
Ni	100	240
Tl	0.5	4.1 J

MW-5

Parameter	Screening Value	5/16/2001	12/8/2002
Semivolatile organic compounds			
B(a)A	0.002G	--	2 J
Chry	0.002G	--	2 J
B(b)F	0.002G	--	2 J
B(a)P	ND	--	2 J

MW-3

Parameter	Screening Value	5/16/2001	12/8/2002
Volatile organic compounds			
cDCE	5	16	8 J
VC	2	8 J	3 J

MW-2

Parameter	Screening Value	5/16/2001	12/8/2002
Volatile organic compounds			
TCE	5	8 J	17
cDCE	5	67	110
VC	2	20	24

MW-9

Parameter	Screening Value	12/8/2002
Volatile organic compounds		
TCA	5	730
cDCE	5	680
PCE	5	7900
TCE	5	2900
VC	2	9 J
CB	5	100
Tol	5	270
EB	5	1500
Xyl	5	6600
Semivolatile organic compounds		
1,4-DCB	3	13
1,2-DCB	3	170
DMP	1	7 J
Inorganic constituents		
Sb	3	3.4 J
Cr	50	68

MW-6

Parameter	Screening Value	5/16/2001	12/8/2002	4/13/2006	12/19/2006
Volatile organic compounds					
cDCE	5	--	9 J	20	NA
TCE	5	--	11	20	NA
VC	2	3 J	--	--	NA
Semivolatile organic compounds					
1,2-DCB	3	4 J	--		NA
B(a)A	0.002G	--	1 J	--	NA
Chry	0.002G	--	1 J	NA	NA
B(b)F	0.002G	--	2 J	NA	NA
B(a)P	ND	--	1 J	NA	NA
Inorganic constituents					
Sb	3	--	NA	--	6.0/5.3 J
As	25	--	NA	175	--
Be	3	--	NA	5.9	--
Cd	5	--	NA	9.4	--
Cr	50	--	NA	2540	342/265
Cu	200	--	NA	466	--
Pb	25	--	NA	535	27 J/35 J
Hg	1	--	NA	2N	--
Ni	100	--	NA	831	155/105
Se	10	--	NA	19	24 J/23 J
Tl	0.5	--	NA	2.5 J	2 J/--

MW-10

Parameter	Screening Value	12/8/2002	4/13/2006	12/19/2006
Volatile organic compounds				
DCA	5	--	6	NA
cDCE	5	--	7	NA
Xyl	5	40	--	NA
Inorganic constituents				
As	25	59	--	--
Cr	50	150	--	--
Pb	25	290	51	--
Se	10	--	--	22 J/21 J
Tl	0.5	--	5.4	--

MW-12

Parameter	Screening Value	12/8/2002
Volatile organic compounds		
DCA	5	33
TCA	5	62
DCP	1	3 J
Inorganic constituents		
Sb	3	3.6 J
As	25	31
Cr	50	72
Pb	25	76

MW-7

Parameter	Screening Value	5/16/2001	12/11/2002
Volatile organic compounds			
TCA	5	9 J	23
DCA	5	21	18
TCE	5	--	17

BMW-3

Parameter	Screening Value	12/8/2002
Volatile organic compounds		
Ben	1	4 J
CB	5	34
Inorganic constituents		
As	25	540
Ba	1000	1200
Be	3	15
Cd	5	14
Cr	50	580
Cu	200	1200
Pb	25	600
Ni	100	520
Se	10	27 J
Tl	0.5	12 J

MW-8

Parameter	Screening Value	5/16/2001	12/8/2002
Inorganic constituents			
Sb	3	4.6 J	NA

MW-13

Parameter	Screening Value	12/8/2002
Volatile organic compounds		
DCA	5	7 J
TCA	5	6 J
Semivolatile organic compounds		
Phenol	1	11 J
Inorganic constituents		
Sb	3	6.3 J
As	25	69
Be	3	5.1
Cr	50	150
Cu	200	370
Pb	25	230
Hg	1	1.2
Ni	100	150
Tl	0.5	5.8 J

MW-1

Parameter	Screening Value	5/16/2001	12/8/2002	4/13/2006	12/19/2006
Volatile organic compounds					
TCA	5	6 J	--	--	NA
cDCE	5	34	45	35	NA
PCE	5	23	8 J	8	NA
TCE	5	76	25	19	NA
VC	2	14	29	24	NA
Semivolatile organic compounds					
1,2-DCB	3	4 J	--	1	NA
Phenol	1	--	2 J	NA	NA
Inorganic constituents					
Sb	3		NA	--	4.1 J/3.5 J
Se	10	--	NA	--	21 J/18 J
Tl	0.5	--	NA	15	--

BMW-2

Parameter	Screening Value	12/11/2002
Inorganic constituents		
Sb	3	74
As	25	47
Cr	50	200
Cu	200	250
Pb	25	270
Hg	1	28
Ni	100	290

MW-11

Parameter	Screening Value	12/8/2002
Semivolatile organic compounds		
Naph	10G	160
Inorganic constituents		
Sb	3	1400
As	25	1100
Ba	1000	1400
Be	3	6.2
Cd	5	22
Cr	50	1700
Cu	200	3400
Pb	25	7400
Hg	1	270
Ni	100	230
Se	10	30 J
Zn	2000	6400 J
CN	200	1300

MW-14

Parameter	Screening Value	4/13/2006	12/19/2006
Volatile organic compounds			
cDCE	5	11	NA
TCE	5	9	NA
Inorganic constituents			
Sb	3	5 J	309/1.6J
As	25	45	465/40
Cr	50	1080	40,800/ --
Cu	200	525	--
Pb	25	370	36/ --
Hg	1	13 N	--
Ni	100	1390	2710/769
Se	10	--	56/20 J
Tl	0.5	3.0 J	7.6J/--
Zn	2000	9520 E	45,000/ --

MW-15

Parameter	Screening Value	4/13/2006	12/19/2006
Volatile organic compounds			
TCE	5	14	NA
Inorganic constituents			
Sb	3	51	8.6 J/7.6 J
As	25	139	50/48
Cr	50	350	--
Cu	200	434	--
Pb	25	297	--
Hg	1	2 N	--
Ni	100	1490	--
Se	10	--	12 J/17 J
Tl	0.5	1.4 J	--
Zn	2000	--	--

NYSDEC Screening Values (ug/L)

Volatile Organic Compounds		
1,1,1-Trichloroethane	TCA	5
1,1-Dichloroethane	DCA	5
cis-1,2-Dichloroethene	cDCE	5
Tetrachloroethene	PCE	5
Trichloroethene	TCE	5
Vinyl Chloride	VC	2
Chlorobenzene	CB	5
Benzene	Ben	1
Toluene	Tol	5
Ethylbenzene	EB	5
Xylene	Xyl	5
1,2-Dichloropropane	DCP	1
Semivolatile Organic Compounds		
Phenol	Phenol	1
1,4-Dichlorobenzene	1,4-DCB	3
1,2-Dichlorobenzene	1,2-DCB	3
2,4-Dimethylphenol	DMP	1
Naphthalene	Napth	10G
Acenaphthene	AcNe	20G
Benzo(a)anthracene	B(a)A	0.002G
Chrysene	Chry	0.002G
Benzo(b)fluoranthene	B(b)F	0.002G
Benzo(a)pyrene	B(a)P	ND
Inorganic Constituents		
Antimony	Sb	3
Arsenic	As	25
Barium	Ba	1000
Beryllium	Be	3
Cadmium	Cd	5
Chromium	Cr	50
Copper	Cu	200
Lead	Pb	25
Mercury	Hg	1
Nickel	Ni	100
Selenium	Se	10
Thallium	Tl	0.5
Zinc	Zn	2000
Cyanide	CN	200

Notes:

Data boxes with red borders indicate monitoring wells that were sampled in 2006.
Concentrations presented in ug/L; concentrations below screening values indicated by "--".
"NA" indicates that no analysis was performed for the subject analyte.
NYSDEC Screening values cited from TOGS 1.1.1, Division of Water, June 1998 and 2000 Addendum.
Screening concentrations presented with a G suffix are guidance values.
ND = screening value is "no detection."
Sampling was completed in May 2001, December 2002, and April and December 2006.
Environmental data presented are constiuents that exceeded screening values at at least one location.
Data were validated.
Data qualifiers: J = estimated concentration; N = matrix interference reported by laboratory; E = concentration that exceeded linear range reported by laboratory.
Data for 2001, 2002, and April 2006 are results of total (unfiltered) analyses; samples were collected using bailers.
Data for December 2006 represent total/filtered results; samples were collected using low flow sampling techniques.
Concentrations of sodium, iron, and manganese (common geological elements) are not shown.

LEGEND

- TP–04 — TEST PIT
- SS–14 — SURFACE SOIL SAMPLE
- SB–9 — SOIL BORING
- MW–8 — MONITORING WELL LOCATION
- BMW–3 — DEEP MONITORING WELL LOCATION

NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

THREE STAR
ANODIZING SITE
WAPPINGERS FALLS,
NEW YORK

GROUND WATER DATA

1"=80' — 80 0 80

FILE NO.10653.37062.007
OCTOBER 2007

O'BRIEN & GERE ENGINEERS, INC.

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Map Source: Orthophoto Image, 2004, OCSCIC.

New York State
Department of Environmental Conservation

Division of Environmental Remediation

Remediation Areas

Figure 6

Three Star Anodizing
(Site #314058)
Wappingers Falls
New York

Legend

- U Dry Well
- A Monitoring Wells
- Soil Boring
- Soil Sample
- Vats
- Axton Cross Excavation Limits
- Lagoon Dredging Limits
- Lower Raceway Excavation Limits
- Site Boundary
- Soil Cover Limits
- Tank Holder

0 25 50 100 150 200
Feet

REFERENCE 16

WAPPINGER CREEK

Rite in the Rain®
ALL-WEATHER
FIELD
№ 351

Prelimnary Assessment
Site Logbook

R2-A-126

Wappinger Creek 6-3-15
Caroline Tuero WESTON (CT)
Scott Snyder WESTON (SS)
OBJECTIVES: Site Walk, Site Recon, meeting with EPA staff on site to investigate current site conditions, possible boat launches/ entry to creek for Sampling of Sediment.

0930 CT + SS arrive at boat launch at Alexander Ln. in Wappingers Falls NY. SS documents photos. Shoreline along south side of Creek (same side as launch) is easily accessible by foot for Sampling. Part of "The Hudson ~~[illegible]~~ (CT) River Greenway Water Trail"; North side appears to have a shoreline that would be easily sample-able once creek is crossed by boat.

0935 SS takes GPS point of launch

C Tuero 6/3/15

Wappinger Creek 6-3-15

0935 Weather - Sunny, Warm, Clear day, slight breeze
Appears that Private properties border the creek, could be access issue?
Aquatic vegetation could provide issue for the use of WESTON's boat w/ outboard motor.

0940 Couple (two people) pull up in car w/ Kayaks at boat launch; Launch boats - Recreation use Documented SS + CT leave launch.

0945 CT + SS arrive at location of former Three Star Anodizing Facility. Observe a fairly strong current in Creek at the small *bridge over the water, very little depositional material; Downstream of *bridge* (East Brigde) current slows and there are sampleable deposits along shore. SS collects GPS point.

C Tuero 6/3/15

Rite in the Rain

Wappinger Creek 6-3-15

0950 Denise Zeno (DZ) of EPA arrives at Former Three Star Anondizing Facility. She will head North for now to the Lake until our meeting time at 1030. CT obsewes fishing lines ~~tag~~ tangled in the power lines over the creek - evidence of fishery. DZ returns to tell SS that she witnessed someone fishing a short distance upstream of location.

"Greenway Nature Trail" along the creek provides easy access for sediment sampling. SS collects GPS point + photo. Opposite bank behind Granite business also accessible.

1000 Depth of creek is difficult to estimate from bridge + shoreline due to murky water. SS + CT move upstream to Market Place Industrial park; Creek is fast moving, higher here NO deposition

C. Tuers 6/3/15

Wappinger Creek 6/3/15

1015 Fisherman behind Market Street Industrial Park, SS interviews the man, ~~[illegible]~~ mostly catch and release but brings home to eat maybe 40% of the time. Herring are ~~[illegible]~~ popular along creek; This fisherman consumes large stripe bass; Common to eat what you catch according to this man. This stretch of creek for our investigation is a popular weekend local spot.

(the location we interviewed is outside zone of contamination)

1025 SS + CT meet DZ who is conversing w/ Arcadis staff who are on site w/ a Geoprobe. They are working on the Three Star Anondizing; Lagoon has been remediated as well as MGP on a DEC contractor. DZ collects business cards

Rite in the Rain

6/3/15

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C. Turner

6/3/15

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C. Turner

Rite in the Rain

Wappinger Creek 6/3/15

Continued from last Page.

DEC Project Mgr. Mike Mason
518-402-9813 - contact for access
Kristopher Keenan - New York DEC
518-402-9813
collecting 27 samples for full TCL Spectrum analysis for terrestrial remediation.
Kristopher Keenan (KK) on site provides project plans to DZ + SS

1030 Matt Alexander (MA) - Mayor of Wappingers Falls, arrives onsite meets KK, DZ, SS, and CT
845-220-6654
email matt@wappingersfallsny.gov

Mike MacCabe (MM) - DEC main ~~contactor~~ (CT) contact; arrives on site

Katherine Farris - Arcadis w/ Remedial action for DEC on site w/ Aztech tech. Geoprobe.

C. Turro 6/3/15

Wappinger Creek 6/3/15

1055 MM - "The Lake is nearly completely surrounded by residences, RT. 9 crosses over the Lake which is a likely source of PAHs in surface water in Lake." MM uses term "confirmed Source" for this terrestrial site for metal contamination in Sed's.

1055 Mel, BJ, ~~William~~ Ide } EPA arrive on site near lagoon.
IA

MA gives background on objectives for the site, village is extremely interested in apply for EDA grant and they wish to reclaim & reuse this site, but they require assistance to clean and make safe.

MM explain 3-Star is mostly remediated; Chlorinated VOCs found in GW, lagoon had metals

C. Turro 6/3/15 Rite in the Rain

Wappinger Creek 6/3/15

Continued from last page

Assumes mercury came from felt hat manufacturing on site, Chromium from metal plating industry.

Questions:

Continuing sources to creek?

Buildings across creek not considered part of 3-Star, so no ~~remed~~ CT remedial activity?

any investigations?

Is the lagoon contaminated now?

Can water from creek enter lagoon during tides AFTER remedial action?

1110 Tour begins - Group begins to walk along Creek to observe what SS + CT have already logged.

Joseph P. Donat arrives on site

CT has card w/ contact info (JD).

Observe multiple storm water outfalls along creek.

C. Tuero 6/3/15

Wappinger Creek 6/3/15

1135 Confirmed sighting of Blue Heron just upstream of Hydro Electric plant; DZ + ~~BJ~~ IA confirm this is an endangered species.

1145 CT + SS walk along lagoon from here it is clear to see the remediated MGP area

BJ points out the old felt factory ~~project~~ CT location and notes

DEC has not done any sampling there; Not enough terrestrial data exists, none past the 3-Stars footprint.

BJ also talks about the lack of GW sampling and treatment.

1200 Mayor + Congressman leave site

Remaining group begins to ~~walk~~ Drive downstream.

MM "Surface soil sampling was conducted in 2003 on private properties along the creek" w/ RI for MGP

Group arrives at the confluence of the Creek w/ the Hudson

C. Tuero 6/3/15

Rite in the Rain

Wappinger Creek 6/3/15

1225 Confluence is shallow w/ accessible shoreline, heavily weeded, difficult for a boat's on board motor. — CT

1235 Group sets out for Wappinger Lake and groundwater supply wells Group stops in downtown to observe bridge over creek and assess access; Dam visible from bridge, fast moving water over rock — CT

1240 Break for Lunch — CT

1435 SS takes a GPS point at location w/ possible access to the lake. — CT

1440 CT + SS observe Spring St. boat launch, access to the lake, SS takes GPS point
LATE NOTE: All EPA + DEC representatives depart after lunch

1455 SS stops to observe area of Creek upstream of Lake @ Stanley Sport Park →

— C. Tuero 6/3/15

Wappinger Creek 6/3/15

continued - access to creek from the sport park by foot, ~~depositional slow, narrow water way~~ (CT)
Sampleable material

1510 SS + CT Depart site

— C. Tuero 6/3/15 Rite in the Rain

REFERENCE 17

WAPPINGER CREEK
WRS

Rite in the Rain®
ALL-WEATHER
FIELD
№ 351

Site Logbook

TOD No.: 0004/1508.06

DCN: W0269.3B.00554

INCH

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Project Wappingers Creek
TDD No. 0004/1509-06

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CONTENTS

PAGE	REFERENCE	DATE
2-4	Recon	8/25/15
5-7	Fishing Recon	10/17/15
8-10	Utility Sweep	10/26/15
11-23	Soil Sampling	10/29-10/30/15
24-49	SW/SED Sampling	11/10-11/12/15

11/12/15

8-25-15 Wappinger Creek

0825 - Scott Snyder conducts pre-sampling recon to determine SW/SED sample location accessibility. —

- Start at trailhead on Main St.
- Record site features using GPS. —

0830 - Head out along Wappinger Creek Greenway Trail.

- Head SW at trail junction. Trail runs along the top of a steep ridge and does not approach the river. — Most creeks too steep to traverse.

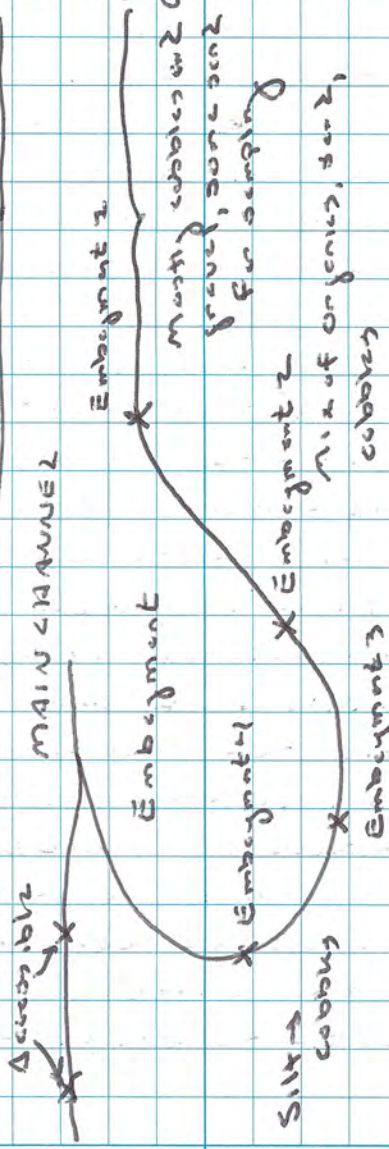
0855 - Locate a portion of the hill that is safe to descend with caution.

- At bottom river is easily accessible.
- Sediment appears coarse, sand/gravel
- Record location, then proceed back to trail and upstream.
- Record locations of moderate slope as I proceed upstream.

1000 - Arrive at embayment. Trail descends to the river. Very Accessible. Record possible sample locations. —

[illegible] 8/25/15

8-25-15 Wappinger Creek



[illegible] 8/25/15 Rite in the Rain

8-25-15 Wappinger Creek

- Proceed just upstream of embayment
- Record two more possible sample locations.

1045 - Head back to car.

1130 - Return to car.

1145 - Over to Metro North train station. Observe river access at south end of parking lot. GPS location.

1155 - Arrive at Market St. Ind. Pk.

- Observe and GPS outfalls along bulkheaded portion of the creek. — Note: Current much slower than what was observed on June 3. —
- Observe small tributary on north side. Possible background location.

1230 - Depart for Wappinger Lake. Attempt to locate Candle Park. —

- Found a small playground with a fenced off area containing a solar array. No public access to the lake from this point.

1300 - Depart site area.

8/20/15

10/17/15 Wappinger Creek

1200 Caroline Tuero (CT) of WESTON arrives at boat launch for recon. ~~of~~ (CT) to document evidence of creek being used as a fishery. CT observes a Jeep with an attached boat trailer parked at launch. From Shore*, two people fishing from a small boat/dingy, too far to make conversation. Will return

1206 Photo of Jeep + boat trailer at boat launch.

* CT can observe the boat in the creek from standing on the shore

1225 Boat has not returned ~~from~~ (CT) to launch from ~~of~~ (CT) up creek. CT departs launch for industrial park, will return shortly in an attempt to speak with fishermen.

1230 CT arrives at industrial park, observes men on shore of creek fishing near bridge. Upon closer inspection, the two men are in a small boat in the creek, not on shore.

C. Tuero 10/17/15 Rite in the Rain

Wappinger Creek 10/17/15

1235 CT interviews the two men, they are the owners of the Jeep at the boat launch. They fish for large and small mouth bass but do not eat it, only for sport, they claim since the creek is tidal - Hudson river water and the Hudson is very polluted, they would not risk eating. They hypothesize that many other people, especially if fishing from the shore (not in boat) eat their catch. In their experience, fishermen from the shore fish to eat, but they have not spoken to anyone specifically about Wappinger Creek. They also say the creek is a much more popular fishing spot in warm weather.

1240 CT takes a GPS point where she stood on shore interviewing the men.

1247. CT drives to far end of Industrial Park to check near the hydro electric plant and dam. WESTON previously observed fishing here.

C Ulero 10/17/15

Wappinger Creek 10/17/15

1250 No fishing taking place near the Hydroelectric plant

1310 CT arrives at second boat launch up stream of site at the lake, no boat/fishing activity Breaks for Lunch

1405 CT checks bridge at the site for fishing activity, there is none

1417 CT checks the boat launch at the creek (downstream), still only the Jeep, no other activity. CT departs for the day

C Ulero 10/17/15

Rite in the Rain

10-28-15 Wappinger Creek

0745 - SS on site to oversee utility sweep of proposed soil boring locations within the Market Street Industrial Pk.

Weather: Cloudy w/showers. ~50°F. Steady rain forecast for later.

0855 - Meet Andrew Silver of Diversified Geophysics at off-site location 0269-S10.

Use: Ground Penetrating Radar (GPR)
· Radio Frequency (RF)

0810 - AS reports S10 is clear. Move to S01.

0830 - AS reports S01 is clear. Move to S02.

Note: All locations cleared 30'x30' centered on proposed borehole location.

0940 - AS reports S02 is clear. Move to S03 and S04.

0955 - AS reports S03 and S04 are clear. Move to S05.

0930 - AS reports S05 is clear. A water main runs approx. 12' from S05.

While clearing S05, Verizon arrives. Verizon reports all communication

10/28/15

10-28-15 Wappinger Creek

Photo Log

WC-10-28-1: GPR @ S10, looking SW.
WC-10-28-2: RF @ S02, looking W.
WC-10-28-3: GPR @ S02, looking NE.
WC-10-28-4: GPR @ S04, looking W
WC-10-28-5: RF @ S05, looking SW
WC-10-28-6: Water main mark adjacent to S05.
WC-10-28-7: GPR @ S09, looking SW
WC-10-28-8: GPR @ S05, looking SW
WC-10-28-9: GPR @ S06, looking SW.

10/28/15 in the Rain.

10-28-15 Wappinger Creek

utilities are overhead.

- Jack Fedyen arrives. Confirms 305 is clear. Septic tanks are in the vicinity but away from 305.

0935 - Move to 309.

0950 - AS reports 309 is clear. Move to 308.

1000 - AS reports 308 is clear. Move to 307.

1010 - AS reports 307 is clear. Move to 306.

1020 - AS reports 306 is clear.

1030 - Return to 310. AS wanted to confirm waterline is in the street. All OK.

- Conclude utility sweep.

10/28/15

10-29-15 Wappinger Creek

0735 - WESTON on site to collect soil samples from the Market St. Ind. Pk.

Weather: Clear ~65°F.

WESTON Personnel

Scott Snyder (SS) - PM, QA, SMO, HS

Denise Brown (DB) - Sampler.

Caroline Tierney (CT) Sampler.

Samples will be obtained using Geo-Probe direct-push method.

0745 - ARST arrives on site.

Monty Buchner - Geoprobe Operator

Tyler Sarrow - Assistant Driller

0900 - Conduct H&S briefing.

- COCs - VOCs, PAHs, metals, MGP compounds.
- Hydration.
- Vehicles in the ind. pk.
- Location of HASP.
- Gloves - fill is likely hot.

0930 - Move to borehole location 0269-301. NW corner of ind. pk.

0905 - Complete coring 301. Saturated at 15'-20' interval. Petroleum-like odor throughout.

10/29/15

Rite in the Rain

10-29-15 Wappinger Creek.

Soil cores kept on ice pending soil logging and PID field screening. Soil logs prepared on separate field sheets that will be kept in the site file.

- Cores saturated at 10'.

~~SD~~ and CT collect the following soil samples from 0269-SO1.

0269-SS01B @ 0935, depth 10' - ~~10.5~~ 11'	
0269-SS01A @ 0940, depth ~~9.5~~ 9.5 - 10'	
0269-SO1C @ 0945, depth ~~4.5~~ 4' - 5.5'	

MS/MSD.

- For all samples - VOC fractions collected using EnCore - 3 gram.
- Remaining fractions homogenized in aluminum pan prior to insertion into sample jars.
- ADT decons Geoprobe coring barrels and cutting shoe using power washing.

0945. Move to borehole location 0269-SO2.

- Saturated at 10'.
- Soil cores on ice.
- Decon cutting shoe.

R.F. 10/29/15

10-29-15 Wappinger Creek.

Photo Log

WC-10-29-1: Geoprobe SO1, looking NW

WC-10-29-2: Soil cores on ice.

WC-10-29-3: Decanning coring barrels.

WC-10-29-4: Homogenizing soil using dedicated plastic scoop and aluminum tray.

WC-10-29-5: Geoprobe SO2, looking NE

WC-10-29-6: Geoprobe SO3, looking W.

WC-10-29-7: PID field screening.

WC-10-29-8: Soil being from SO3.

WC-10-29-9: Collecting 0269-RW01.

WC-10-29-10: Geoprobe SO5, looking NW

WC-10-29-11: Geoprobe SO9, looking WS

WC-10-29-12: Low recovery from SO9.

WC-10-29-13: Geoprobe SO6, looking NE

R.F. 10/29/15 Rain

10-29-15 Wappinger Creek

1010 - Move to location 0269-SO3, former north lagoon area.

1030 - Saturated in the 10'-15' interval. Return to command post to log / screen soil from SO2 and SO3.

- DB/CT collect the following soil samples from 0269-SO2.

1040 - 0269-SO2 depth: 0'-2'

PID = 11 ppm.

- Entire SO2 5'-10' interval is saturated. No PID readings - so collect from top and bottom below. ~25% recovery.

1050 - 0269-SSO2A depth 5'-7.5'

1055 - 0269-SSO2B depth 7.5'-10'

- All VOC fractions from 0269-SO2 collected with three 5-gram EnCores.

- Remaining fractions homogenized in a dedicated aluminum pan with a dedicated plastic scoop.

- CT/DB collect soil samples from 0269-SO3

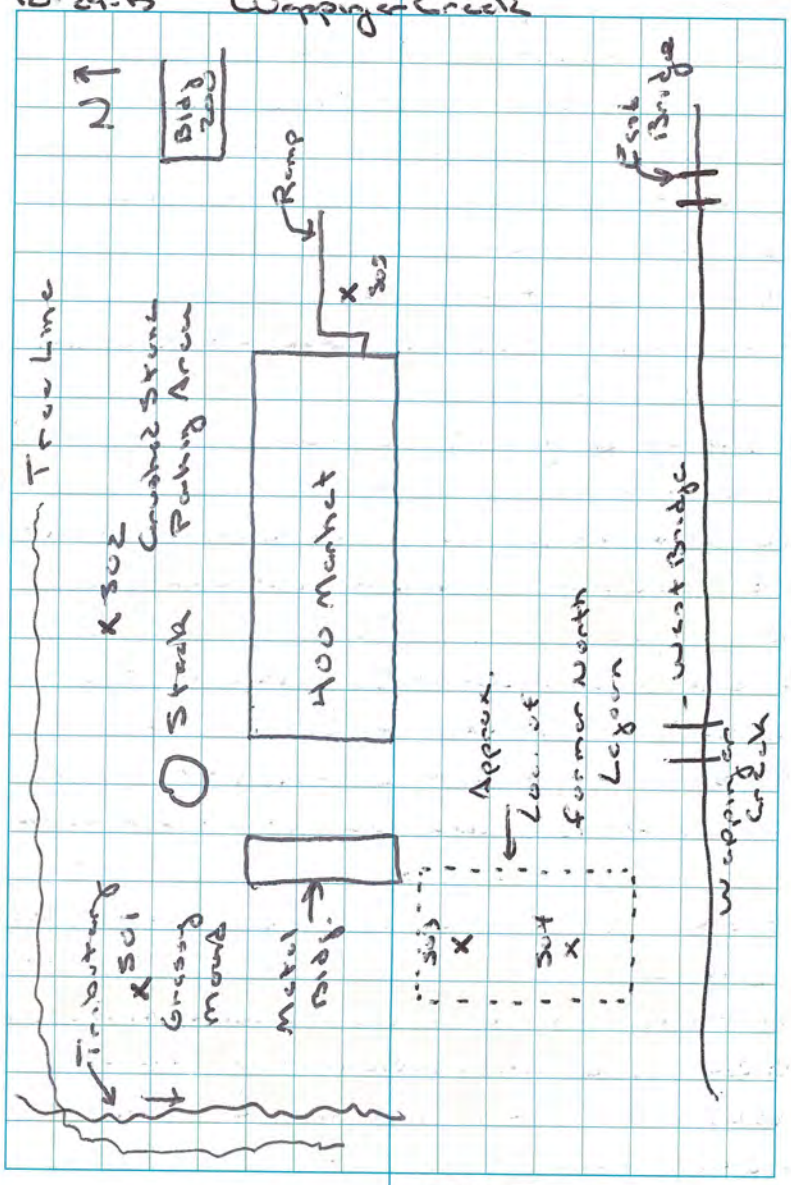
1125 - 0269-SSO3B depth: 13'-15'

1130 - 0269-SSO3A, depth: 7'-10'

1135 - 0269-~~SO~~ SO3 depth: 1'-2'.

10/29/15

10-29-15 Wappinger Creek



10/29/15

Rite in the Rain.

10-29-15 Wappinger Creek

All VOC fractions for 0269-SB3 samples collected using EnCore 5-gram dedicated samplers. Remaining fractions homogenized in dedicated aluminum pan using a dedicated plastic scoop.

1135 - Move to borehole location 0269-SB4 ~~SB3~~ - south end of former North Lagoon.

- Saturated 5'-10' interval. Return to command post to screen, log, and sample.

- Cores on ice pending evaluation. -

1215 - Rain showers and wind move through.

- CT/DB collect soil samples from 0269-SB4.

1225 - 0269-SB04B depth 14'-15'

1230 - 0269-SB04A depth 7.5'-8.5'

1235 - 0269-SB4 depth 1'-2'

1240 - SS/CT collect rinsate blank 0269-RW01

- pour DI water over decanned cutting shoe.

1245 - Drillers complete decon, move to 0269-SB3, east side of Hoo Market. -

1303 - ADT reports refusal @ 14'. Weathered bedrock.

10/28/15

10-29-15 Wappingers Creek

- Screening of SB3 indicated high PID readings in the first 5'. 13.3 and 44.7 ppm. Sample depths will be based on these readings.

1335 - 0269-SB3 depth 1'-2'

1340 - 0269-SB3A depth 3'-5'

1345 - 0269-SB3B depth 5'-6.5'

1400 - Move to borehole location 0269-SB9 - approx. location of former felt hat manufacturing.

- Encountered saturated weathered bedrock in the 10'-15' interval. Very Low Recovery in the 0'-5' and 5'-10' intervals. Sample intervals will have to be adjusted for this borehole. -

- Due to low recovery 0'-10', only one sample will be collected from this borehole.

1425 - CT/DB collect soil sample 0269-SB9B depth 11'-14'. -

1430 - Drillers decon and move to 0269-~~SB9~~ SB8.

1440 - SB8 saturated in the 10'-15' interval.

10/28/15

10-29-15 Wappinger Creek

1445- Very low recovery in this hole as well. Due to low recovery and high percentage of gravel, only 0269-SS00B will be collected.

1500- DB/CT collect soil sample [0269-SS00B], depth 14'-15'.

VOC fractions collected using three 5-gram EnCores. Remaining fractions homogenized in a dedicated aluminum tray with a dedicated plastic scoop.

1505- Begin probing at 0269-S07.

1525- Saturated within 15'.

- Moderate recovery.
- CT/DB collect soil samples from 0269-S07.

1530- [0269-S07] depth 2.5'-5'.

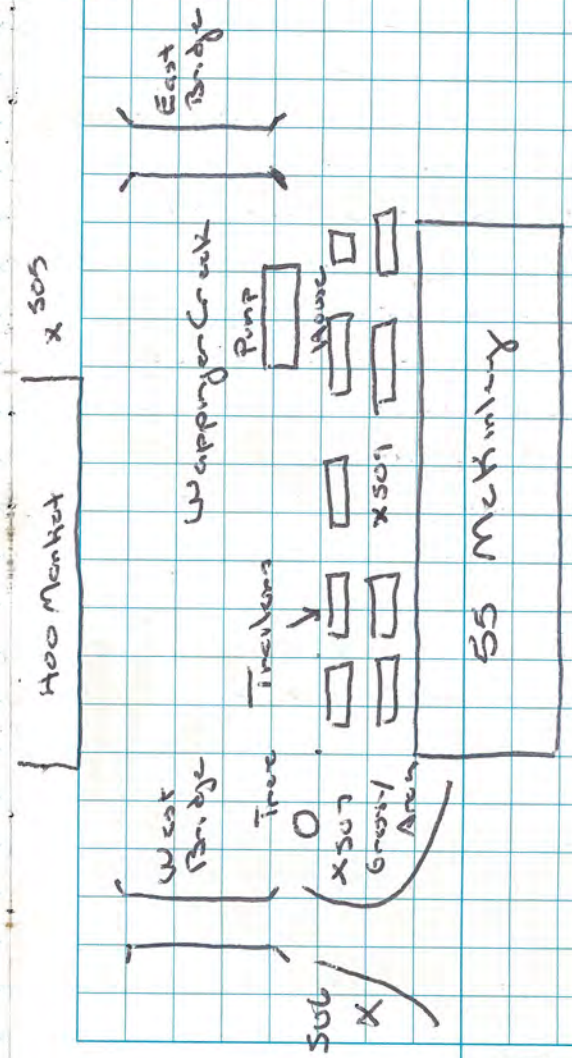
1540- [0269-SS07A] depth 5.5'-10'

1545- [0269-SS07B] depth: 12'-15'.

- Drillers decon and clean up for the day.
- SS runs samples through Scribe.
- All samples collected using EnCore and dedicated plastic scoops.
- DB & CT have been labeling and custody sealing samples throughout the day.

10/29/15

10-29-15 Wappinger Creek



10/29/15

Rite in the Rain

10-29-13 Wappinger Creek

1645 - Depart site.

1715 - Back at hotel. Pack samples w/ fresh ice and print chains of custody.

1800 - Arrive at FedEx. Ship two coolers to Chemtech Consulting for organic analyses under COC#s 2-102915-160411-0001 and 2-1029 15-162655-0002 and FedEx Airbill No. 4675 0633 7315.

Sample fractions for TAL Inorganics will be held overnight, on ice, and under custody and shipped tomorrow.

End Day

10/29/13

10-30-13 Wappinger Creek

0745 - WESTON and ADT back onsite to complete soil sampling. Two holes remaining 0269-SS6 and SS10 (background).

Weather: Fair, partly sunny, ~55° F. - Same personnel and methods as yesterday.

0825 - Begin probing @ 0269-SS6. - Light recovery, water 5'-10' interval.

CT/DB collect soil samples

0850 - 0269-SS6 depth 3'-4' -

0955 - 0269-SS6A depth 8'-10' -

0900 - 0269-SS6B depth 14'-15' -

PID @ ~4': 7.0, PID @ ~8': 50 -

All VOC fractions collected using three 5-g En Cores. Remaining fractions homogenized in a dedicated aluminum pan using a dedicated plastic scoop. -

0925 - Drilled down

0930 - Move to off-site location 0269-SS10.

- Advanced to 15' as that was the max depth onsite.

1000 - CT/DB collect soil sample 0269-SS10B depth 14'-15'.

10/30/13

Rite in the Rain

10-30-15 Wappinger Creek

1010 - CT/DB collect soil samples 0269-S10 and duplicate 0269-S11 (1013 on sample jar), depth: 1'-2'.

1020 - CT/DB collect soil samples 0269-SS10A and duplicate 0269-SS11A, depth: 3'-5'.

- 0269-SS11A will show a collection time of 1025 on the COC.

- Pack samples, print COCs.

1145-1215 - SS records borehole locations using GPS. Each location recorded for 120 data points & one second intervals using a Trimble GeoXX 6,000 Series receiver (S/N: 6112-101523

1230 - Depart site.

1500 - Arrive at FedEx. Ship today's samples. One cooler to Chemtech for TAL Organic VOC and SVOC under COC# 2-103015-102315-0003 and FedEx Airbill No. 8715 6304 5741 and one cooler to Sheely for TAL Inorganics under COC# 2-103015-103522-0004 and FedEx Airbill No. 8750 6337 1337.

10/30/15

10-30-15 Wappinger Creek

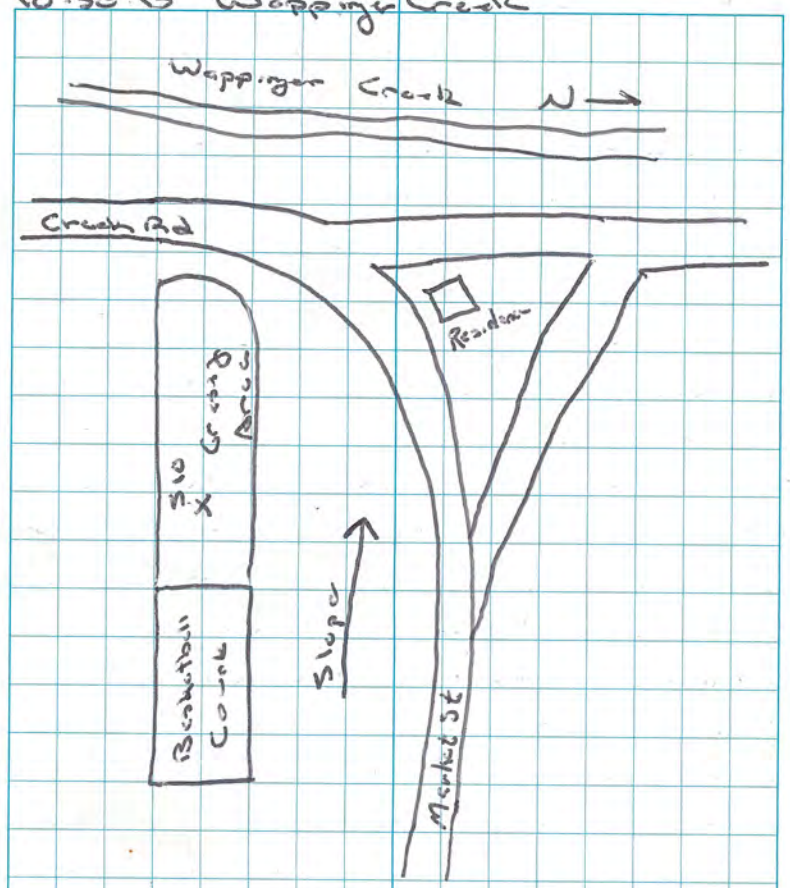


Photo Log

WC-10-30-1: Geoprobe @ S10, looking SE

WC-10-30-2: Using EnCore.

Rita Shukla Rain

11-10-13 Wappinger Creek

0900 - WESTON & Creek Road boat launch to begin surface water and sediment sampling to support the HRS evaluation of the site.

Scott Snyder (SS) PM, SHSO, SMO, Sampler.

Caroline Tuerie (CT) - Sampler.

Denise Breen (DB) SMO, Sampler.

WESTON has subcontracted Aqua Survey of Flemington, NJ to conduct the surface water and sediment sampling via boat.

Sediment sample locations will be similar to NYSDEC 2001/2003 investigation.

Weather - cloudy ~50°F, spotty showers.

0930 - Aqua Survey crew on site.

- Matt Sheppell - Boat Captain.
- Bob Fristrom - Assistant.
- We will wait for the outgoing tide to collect surface water samples. High tide @ New Windsor is 1053.
- Continue to set up equipment. Brief Aqua Survey on COCs - mercury, PAHs.

1000 - SS collects Trip Blank 0269-TB01

- carry trip blank to sample locations, store w/ surface water samples.

11/10/13

11-10-13 Wappinger Creek

Photo Log

WC-11-10-1 - Collecting 0269-SW01.

WC-11-10-2: - Collecting 0269-SW02.

WC-11-10-3: Preserving VOC fractions of 0269-SW03 with HCl.

WC-11-10-4: Mouth of Three Stone Lagoon

WC-11-10-5: Collecting 0269-SW06 - mouth of Three Stone Lagoon.

WC-11-10-6: Collecting 0269-RIN03.

WC-11-10-7: Collecting 0269-SW07, looking N.

WC-11-10-8: Collecting 0269-SW08, looking N.

Rite in the Rain

11/10/13

11-10-13 Wappinger Creek

1052. Depart command post to begin surface water sampling.

- Sample will be collected using a hatch in the middle/center of the boat deck.
- 0269-SW01, depth of bottom ~~10'~~ 14'.
- Raw water pH = ~7.
- Use dedicated aluminum pan to transfer water to VOA vials.

1111. CT collects 0269-SW01 (MS/MSD)

- Aqua Survey will record all sample locations using GPS. - DGPS Trimble SPS351.
- 3 40mL vials - HCl - VOCs
- 2 1-L Ambers - SVOCs
- 1 1-L Poly - Inorganics
- 2 1-L Polys for MS/MSD.

1120. Head upstream to 0269-SW02.

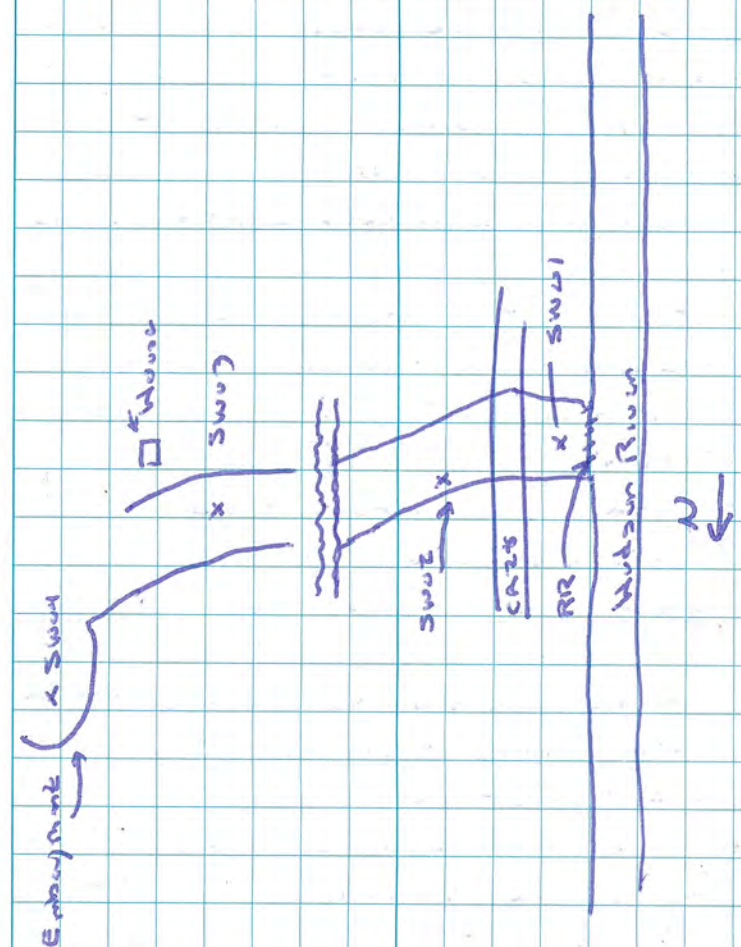
1130. CT collects 0269-SW02 - water depth to bottom is 5'.

- 3 40-mL vials w/ HCl - VOCs
- 2 1-L Ambers - SVOCs
- 1 1-L Poly - Inorganics.

1135. Head upstream to SW03.

11/10/13

11-10-13 Wappinger Creek



11/10/13

Rite in the Rain.

11-10-15 Wappinger Creek

1145. CT collects 0269-SW03. Depth to bottom = 6.5'

- 3 40-mL Vials w/ HCl - VOCs
- 2 1-L Ambers - SVOCs.
- 1 1-L Poly - Inorganics.

1150. Head upstream to SW04.

1200. CT collects 0269-SW04 from the center of the embayment. Depth of bottom is 3.5'.

- 3 40-mL Vials w/ HCl - VOCs.
- 2 1-L Ambers - SVOCs.
- 1 1-L Poly - Inorganics.

1205. Head upstream to SW05.

1212. CT collects 0269-SW05. Bottom depth 3.5'. Collected near Creek Rd launch ramp.

- 3 40-mL Vials w/ HCl - VOCs.
- 2 1-L Ambers - SVOCs.
- 1 1-L Poly - Inorganics.

1220-1230. Drop samples off to DB. - Denise Zane, EPA is on site. Report our progress.

1237. CT collects 0269-SW06 - At mouth of Three Star lagoon. -

11/10/15

11-10-15 Wappinger Creek

1250. Return to command post. Relinquish 0269-SW06 to DB. DB has been processing today's samples through Smoke, custody sealing, and placing on ice. —

1300. Break for lunch. —

1335. Prepare to collect SW07 and SW08. Boat will not fit under the west bridge, so samples will be collected from the north parcel bulk head using a self-tripping, cylindrical surface water sampler. —

Bob decons prior to use - alconox/DI scrub, HNO3/DI rinse. -

11/10/15

Rite in the Rain

11-10-15 Wappinger Creek

1355 - Over to north parcel.

1400 - SS, CT collect Rinsate Blank

0269-RINS03

pour DI water over decomm'd surface water sampler.

1415 - CT and BF collect 0269-SW07 from in front of an outfall on the north parcel.

- 3 40-mL Vials w/ HCl - VOCs
- 2 1-L Ambers - SVOCs
- 1 1-L Poly - Inorganics.

1420 - BF decons sampler.

1425 - BF and CT collect 0269-SW08 from in front of an outfall on the north parcel.

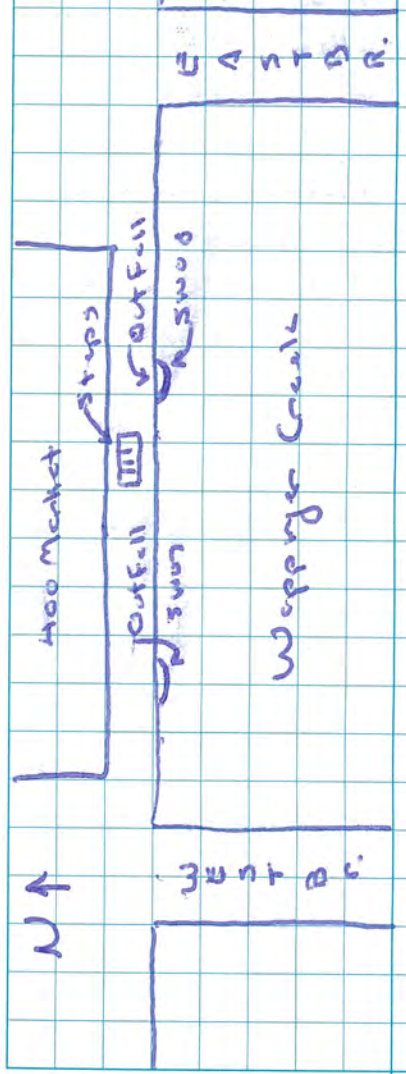
1430 - Back to command post, relinquish samples to DB.

- Aqua Survey heads out to conduct a utility sweep of the sediment sample locations. No additional samples will be collected today.

1500 - Aqua Survey reports they are unable to complete utility sweep due to low water levels. Will resume tomorrow.

11/10/15

11-10-15 Wappinger Creek



11/10/15

Rite in the Rain

11-10-15 Wappinger Creek.

1540 - Depart site.

1630 - Arrived FedEx.

Ship two coolers to Chemtech for TAA VOC and SVOC enclosed under COCs 2-111015-131648-0005 and 2-111015-150113-0006 and FedEx Airbill No. 8044 6775 2185.

WESTON will hold TAL Inorganic fractions overnight under custody and cooler and ship tomorrow.

End Day

11/10/15

11-11-15 Wappinger Creek

0715 - WESTON and Aqua Survey back on site to continue WRS sampling. Today will begin sediment sampling of the tidal creek moving in an upstream direction.

Weather: Steady rain, ~30°F, forecast to taper off in the late morning.

- Set up equipment, launch boat.
- Aqua Survey reports that due to the electronics on the boat, we can't sample in moderate to heavy rain.

0930 - Still heavy rain.

1030 - Rain slows, Aqua Survey heads out to conduct utility sweep.

1155 - Aqua Survey return to command post. Utility sweep of the tidal creek is complete. Prepare for sediment sampling.

1300 - Depart command post, head downstream.

1320 - Arrive at SS001, just upstream from the confluence w/ Hudson River.

- Sediment will be retrieved using Vibracore 4" diameter corer. 16.5' bottom depth. At each location the corer barrel is lined with dedicated plastic sheeting.

11/11/15 Rite in the Rain

11-11-15 Wappinger Creek

2.4' of recovery. Aqua Survey will provide sediment logs. Silty clay and fine to med. gravel 0'-12", 12"-24" silty clay.

- 3 5-gram EnCores @ 6". VOCs

1335 - CT collects 0269-SED01-0-6 - 0"-6" interval. MS/MSD.

- Homogenize 0"-6" in aluminum pan. -

- 1 8-oz. jar SVOCs, 1-8oz. jar Inorganics + 1 additional 8-oz. jar for MS/MSD. -

1 4-oz. jar TOC and 1 16-oz. jar for grainsize. -

1345 - CT collects 0269-SED01-6-12 - 6"-12" interval. Same method.

1400. CT collects 0269-SED01-12-24 - 12"-24" interval. Same method.

1415. Depart for 0269-SED02.

- Aqua Survey decons core catcher - only non-dedicated equipment that contacts the samples.

1425. Arrive at 0269-SED02. Due to limited space on the boat we decide to obtain two or three cores and then return to command post to collect the samples. - Depth to bottom 4.8'. Full 24" of recovery.

11/11/15

11-11-15 Wappinger Creek - Photo Log

WC-11-11-1: Vibra core lowered to 0269-S01.

WC-11-11-2: Same.

WC-11-11-3: Sediment core from 0269-SED01

WC-11-11-4: Using EnCore

WC-11-11-5: Homogenizing.

WC-11-11-6: Vibra Core @ 0269-SED02, CR-28 bridge in background.

WC-11-11-7: Core catcher and plastic sleeve.

WC-11-11-8: Measuring bottom depth. -

WC-11-11-9: Core from 0269-SED03. -

WC-11-11-10: Lowering Vibra Core @ 0269-SED05

WC-11-11-11: Sediment core from 0269-SED04 0"-6".

WC-11-11-12: Using EnCore.

11/11/15

Rite in the Rain.

11-11-13 Wappinger Creek

- Retrieve two cores/location to ensure enough sample volume.

1452- Return to command post. CT and DB will remain to collect samples from 0269-SED02. SS will head back out with Aqua Survey to correct 0269-SED03 and 0269-SED04.

Note: Upon returning to the command post DB reports that a local resident Chris Vena (phone # on file) stated that people fish for consumption along the entire tidal creek and the species consumed are crab and carp.

1505- Head out to 0269-SED03.

1515- Arrive @ 0269-SED03.

- Bottom Depth: 4.9'.
- Recovery: Full 24".

1530- Move to 0269-SED04.

1533- Arrive @ 0269-SED04.

- Deploy core catcher.
- Bottom Depth: 2'.
- Recovery: Full 24".

1550- Arrive @ 0269-SED05. Last one for today.

11/11/13

11-11-13 Wappinger Creek.

- Deploy core catcher.
- Bottom Depth: 3.3'
- Recovery: Full 24".

1615- Return to command post to sample cores from 0269-SED03, 04, and 05. CT collects samples. DB performs sample mgmt. SS assists CT.

0269-SED04 - 0"-6" - silt and organics. 6"-24" - silt and fine sand.

1615 - 1755 - Collect and prep samples. Below are the sample times as reported by CT and DB.

Time	Sample No.	Depth
1500	SED02-0-6	0"-6"
1520	SED02-6-12	6"-12"
1530	SED02-12-24	12"-24"
1510	SED22-0-6	Dup of SED02-0-6
1625	SED04-0-6	SS ~~6"-12"~~ 0"-6"
1630	SED04-6-12	6"-12"
1635	SED04-12-24	12"-24"
1700	SED03-0-6	0"-6"
1710	SED03-6-12	6"-12"
1720	SED03-12-24	CT ~~24"~~ 12"-24"
1735	SED05-0-6	0"-6"

11/11/13

Rite in the Rain.

11-11-13 Wappinger Creek

Time	Sample No.	Depth
1745	SEDOS-6-12	6"-12"
1755	SEDOS-12-24	12"-24"

- All sample numbers preceeded by 0269
- All VOC fractions 3 5-g. EnCores.
- All % moisture 1 4-oz. jar.
- All TAL SVOC 1 8-oz. jar.
- All TAL Inorganics 1-8-oz. jar.
- All TOC 1 4-oz. jar.
- All GS 1 16-oz. jar.
- All VOC fractions collected at bottom of interval.
- Entire interval homogenized in a dedicated aluminum pan using a dedicated plastic scoop. Then transferred to sample jars.
- All sample labled and custody sealed, packed on ice.

2000. Arrive at Fed Ex, Ship two coolers to Chemtech for TAL VOCs and SVOCs under COC#s 2-111115-174244-0009 and 2-111115-175044-0010 and FedEx Airbill No. 8086 5685 0184 Ship two coolers to Shealy Env.,

11/11/13

11-11-13 Wappinger Creek

including yesterday's surface water samples under COC#s 2-111115-084257-0007 and 2-111115-172910-0008 and FedEx Airbill No. 8086 5684 5233 for TAL Inorganics. TOC and GS fractions not shipped. Kept under WESTON custody and on ice.

End Day.

11/11/13

Rite in the Rain.

11-12-15 Wappinger Creek

0720- WESTON and Aqua Survey back on site to continue HRS sediment sampling. — Same methodology as yesterday. SS and Aqua Survey will retrieve sediment cores using Vibra Core. CT and DB will collect samples from the cores back at the command post.

Weather: Cloudy ~50°F, forecast for more rain.

0800- SS and CT collect Rinsate Blank

0269-RIN04

- Pour DI water over decamed core catcher.

0820- Head out to sample - Denise Zane, EPA comes along to observe.

0825- Arrive at 0269-SED02. Bottom @ 3.8'

0840- Arrive at 0269-SED07, Bottom @ 3.4'. SED07 @ entrance to embayment.

0900- Arrive at 0269-SED08. Bottom @ 3.4'

First advance ~1.7' recovery.

2nd advance full 24".

3rd advance full 24".

0930- Arrive @ 0269-SED09

Bottom @ 3.4'.

Full 24" of recovery

11/12/15

11-12-15 Wappinger Creek

Photo Log

WC-11-12-1: Collecting 0269-RIN04

WC-11-12-2: Vibra Core @ 0269-SED06

WC-11-12-3: Embayment, looking N.

WC-11-12-4: Extracting sediment core @ 0269-SED08.

WC-11-12-5: Vibra core @ 0269-SED09, looking N.

WC-11-12-6: Homogenizing soil —

WC-11-12-7: Command post, looking E

WC-11-12-8: Vibra Core @ 0269-SED11

WC-11-12-9: Former MGP from 0269-SED19, looking E.

WC-11-12-10: Possible MGP waste retrieved from 0269-SED19. —

WC-11-12-11: Mouth of Three Star Lagoon and former Axton Cross Facility from 0269-SED12, looking NE.

11/12/15

Rite in the Rain.

11/12/15 Wappinger Creek

0950 - Return to command post. Relinquish sediment cores to DB and CT.

- Denise Zeno departs site.

- CT, DB collects sediment samples. SEE Table on pg. 44 for times.

1215 - SS and Aqua Survey head out to collect additional sediment cores.

- Start at 0269-SED10, adjacent to Creek Road boat launch.

Bottom Depth: 6.3'

Full 24" of recovery.

1240 - Arrive at 0269-SED11, shoal area.

Bottom Depth: 8.2'.

12" of recovery.

2nd Attempt 18" of recovery.

3rd Attempt 18" of recovery - all coarse sediments, fine gravel.

1310 - Arrive at 0269-SED9, adjacent to former MGP.

Bottom Depth: 10.7'.

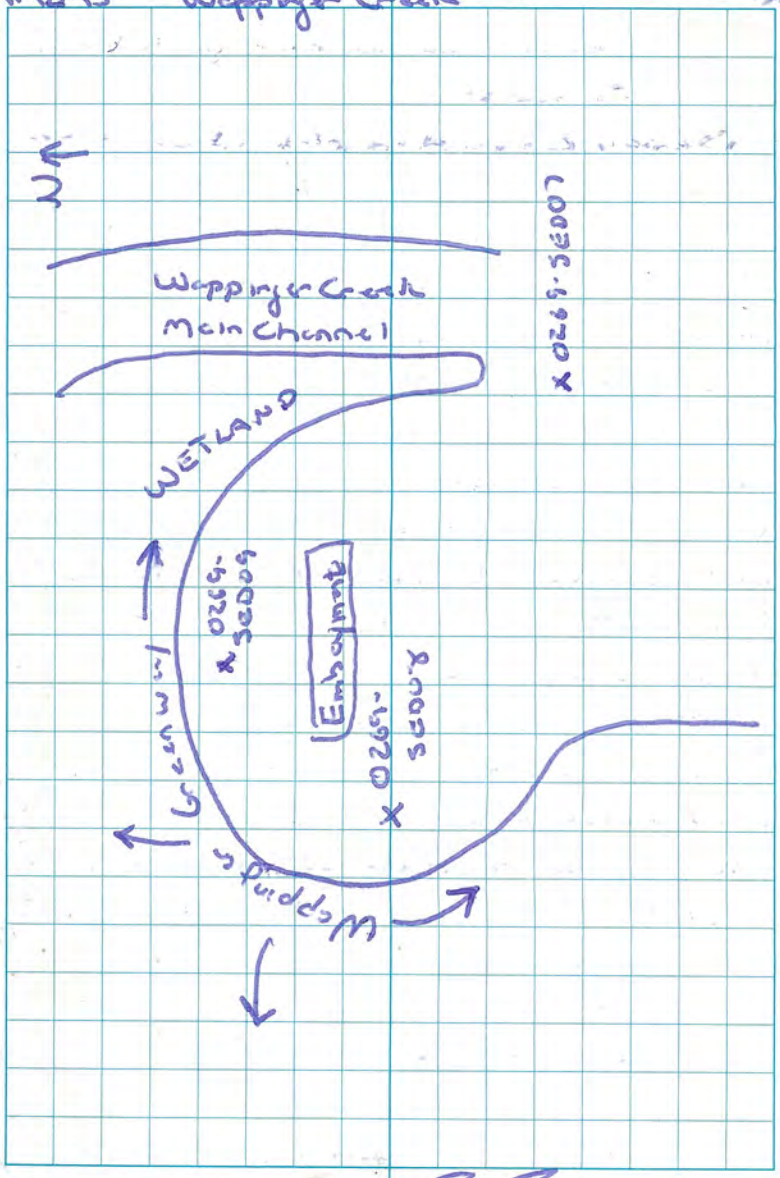
Almost no recovery - all gravel and a put-marked stone (MGP waste?)

2nd attempt. Move ~10' out.

Full 24" of recovery. Coarse sediments

11/12/15

11-18-15 Wappinger Creek



11/13/15

Rite in the Rain.

11-12-15 Wappinger Creek

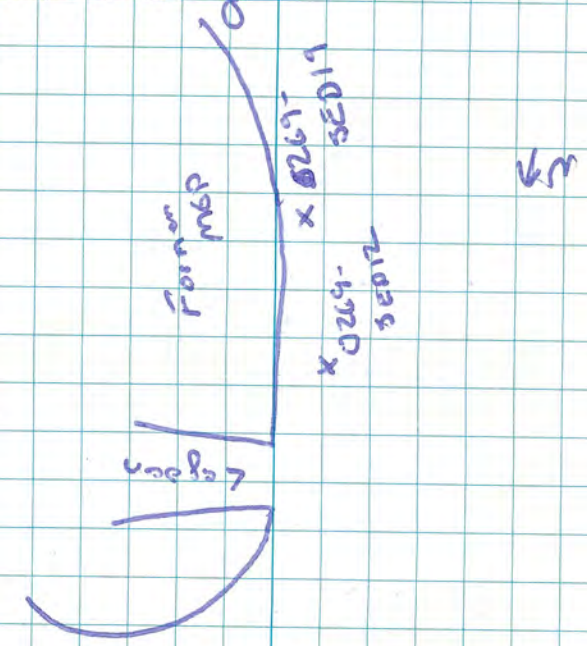
Today's Samples as reported by CT and DB.

Time	Sample No.	Depth
1000	0269-SED06-0-6	0"-6"
1010	0269-SED06-6-12	6"-12"
1020	0269-SED06-12-24	12"-24"
1045	0269-SED07-0-6	0"-6"
1055	0269-SED07-6-12	6"-12"
1105	0269-SED22-6-12	Dup. of SED07-6-12
1110	0269-SED07-12-24	12"-24"
1130	0269-SED08-0-6 MS/MSD	0"-6"
1140	0269-SED08-6-12	6"-12"
1150	0269-SED08-12-24	12"-24"
1210	0269-SED09-0-6	0"-6"
1220	0269-SED09-6-12	6"-12"
1230	0269-SED09-12-24	12"-24"
1415	0269-SED10-0-6	0"-6"
1425	0269-SED10-6-12	6"-12"
1435	0269-SED10-12-24	12"-24"
$1115	0269-SED07A-12-24 (Duplicate of SED07 for Dioxins/Furans & Methyl Mercury)	12"-24"

11/12/15

11-12-15 Wappinger Creek

1340 - Arrive at 0269-SED12, just downstream of lagoon mouth. - Bottom Depth: 6' 16" of recovery.



1400 - Return to command post, relinquish sediment cores to CT and DB for sampling.

1600 - Sampling complete. DB runs samples through Scribe, prints COCs, pack samples

11/12/15 Rite in the Rain.

11-12-15 Wappinger Creek

Time	Sample No.	Depth
1500	0269-SED11-0-6	0"-6"
1510	0269-SED11-6-12	6"-12"
1520	0269-SED11-12-24	12"-24"
1600	0269-SED12-0-6	0"-6"
1610	0269-SED12-6-12	6"-12"
1620	0269-SED12-12-24	12"-24"
1530	0269-SED19-0-6	0"-6"
1540	0269-SED19-6-12	6"-12"
1550	0269-SED19-12-24	12"-24"

11/12/15

11-12-15 Wappinger Creek

on fresh air. @ ice

1700 - Custody seal coolers.

1730 - Depart site.

1800 - Arrive at FedEx.

• Ship three coolers to Chemtech for Organic TAL VOCs & SVOCs under COC#S 2-111215-125112-0011, 2-111215-164447-013, and 2-111215-165249-0014 and FedEx Airbill No. 8044 6775 2082.

• Ship two coolers to Shealy for TAL Inorganics under COC#S 2-111215-170016-0015 and 2-111215-171101-016 and FedEx Airbill No. 8044 6775 2093

• Non-CLP - Ship one cooler to Eurofins for Dioxins/Furans and Grain Size under COC# 2-111215-130210-0012 and FedEx Airbill No. 8715 6304 5763.

• Non-CLP - Ship one cooler to Test America for Methyl Mercury under COC# 2-111215-172125-

11/12/15 Rite in the Rain

11-12-15 Wappinger Creek
0017 and FedEx Airbill No.
8541 0029 4129.

End Day.

Wappinger Creek sampling continued
in Logbook 2.

11/12/15

510
1'-2 3'-3' 14'-15'

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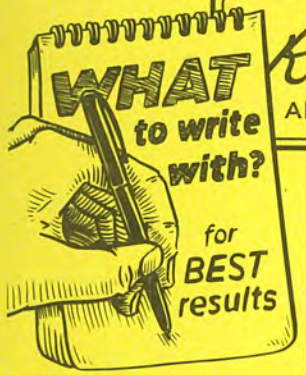

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WAPPINGER CREEK
HRS

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Site Logbook 2

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CONTENTS

PAGE	REFERENCE	DATE
2-19	SW/SED Sampling 11/13, 11/16 & 11/17/15.	

11/18/15

11-13-15 Wappinger Creek

0725 - WESTON at Wappinger Lake boat launch. Setting up command post to collect upstream samples.

Weather: Mostly sunny, dry ~50°F. -

0755 - SS meets Aqua Survey at Creek Road boat launch with the intention of coring at the two remaining tidal creek locations, 0269-SED13 and 14. However, upon arriving we observe the tide is so low the pontoon boat is grounded. We decide to use the time to collect surface water samples from upstream locations.

- Aqua Survey has a small jonboat we will use to collect the samples.

0815 - CT collects Trip Blank

0269-TBW2

will accompany SW sample collection.

- head out on Wappinger Lake.

pH ~ 7.

0835 - SS collects 0269-SW09

- south end of Wappinger Lake. Collected directly into sample jars.

- 3 40-mL VOAs w/HCl - VOCs

11/13/15

11-13-15 Wappinger Creek

- 2 1-L Ambers - SVOCs.

- 1 1-L Poly - Inorganics.

0900 - SS collects 0269-SW10

- north end of Wappinger Lake, just downstream of Route 9 bridge. - Collected directly into sample jars. Same analyses as before.

0915 - SS collects 0269-SW11 and duplicate sample 0269-SW12 (time of 0920 on COC). Same method and analyses as before. Collected upstream of Route 9 bridge.

- just residences and undeveloped land along the banks.

0940 - Return to command post, relinquish samples to CT and DB for sample mgmt.

1000 - Back to Creek Road boat launch and prepare for remaining tidal sediment cores.

1025 - Arrive at 0269-SED13, near former North Lagoon.

Bottom Depth: 2'.

Full 24" of recovery.

1045 - Over to 0269-SED14. Bottom Depth 7.2'

11/13/15

Rite in the Rain

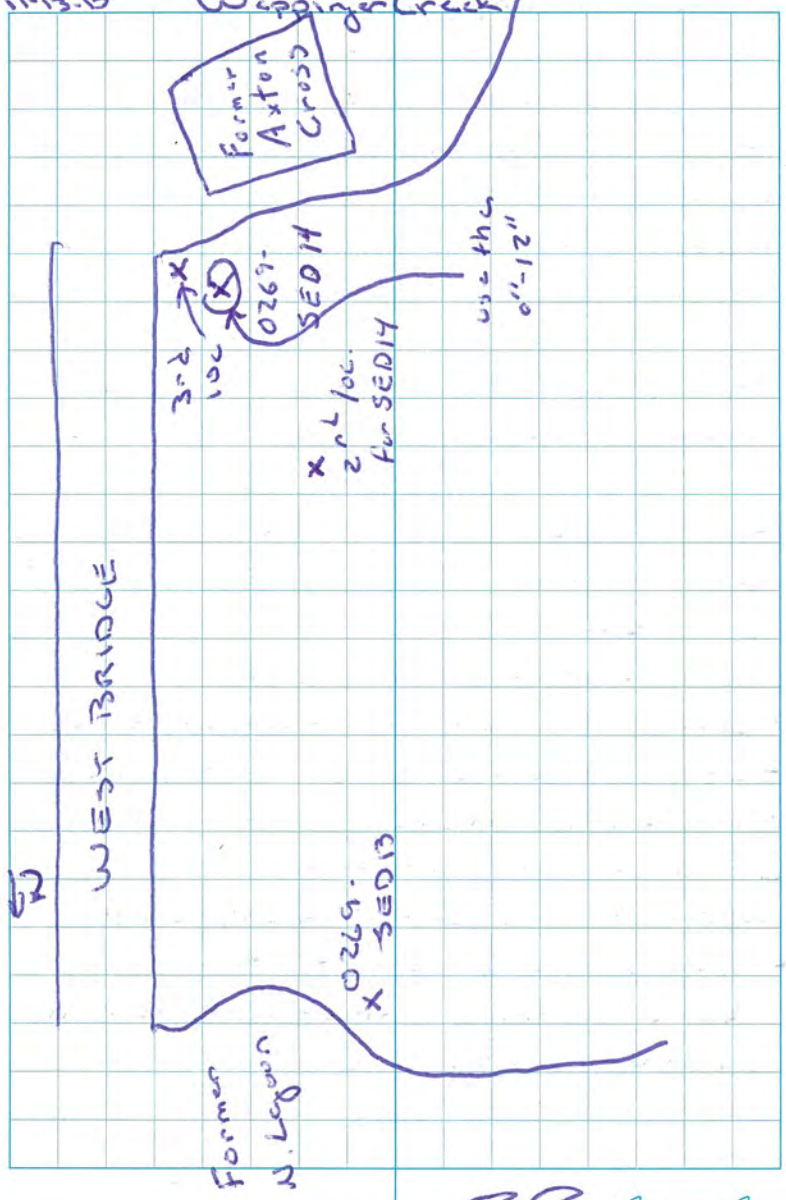
11-13-13 Wappinger Creek

- only ~12" of recovery.
- low recovery on 2nd attempt. Move a few feet for another try.
- New location 16' deep.
- too rocky, closer to shoreline for good recovery.
- no recovery at all at 2nd location.
- move back towards shoreline, closer to west bridge.
3rd loc 4.2' deep.
- 3rd location - retrieve only gravel. Decide to just use 0"-12" no 12"-24" at this location.

1123 - Back to Creek Rock boat launch
1130 - Back to command post, relinquish sediment core to CT and DB for sampling. Dioxin / Furans will be moved to 6"-12" for 0269-SED14.
1200 - Stage drums along Three Star site fence on concrete pad.
- Aqua Survey departs. SS back to command post.

11/13/13

11-13-13 Wappinger Creek



11/13/13

Rite in the Rain

11-13-15 Wappinger Creek

Below are the sediment sample times as reported by CT and DD

Time	Sample No.	Depth
1145	0269-SED13-0-6	0"-6"
1155	0269-SED13-6-12	6"-12"
1205	0269-SED13-12-24	12"-24"
1215	0269-SED22-12-24	Dup. of 0269-SED13-12-24
1220	0269-SED14-0-6	0"-6"
1230	0269-SED14-6-12	6"-12"

1400- Pack samples on freshice, print COCs.

1500- Depart site

1530- Arrive at FedEx.

• Ship two coolers to Chemtech for Organic TAL VOCs and SVOCs under COC#s 2-111315-105245-0020 & 2-111315-140141-0026 and FedEx Airbill No. 8044 6775 1970 –

• Ship one cooler to Shealy for TAL Inorganics under COC# 2-111315-131828-0021 and FedEx Airbill No. 8044 6775 2027.

11/13/15

11-13-15 Wappinger Creek

• Ship two coolers to Test America for TOC analysis under COC#s 2-111315-085945-0018 and 2-111315-134052-0022 and FedEx Airbill No. 8044 6775 2016. –

• Ship one cooler to Eurofins for dioxins/furans and grainsize analysis under COC# 2-111315-091945-0019 and FedEx Airbill No. 8065 0572 6211.

END DAY.

11/13/15

Rite in the Rain.

11-16-15 Wappinger Creek

0800 - WESTON and Aqua Survey back at Wappinger Lake to wrap up the upstream sediment sampling.

Same personnel and methods as last week.

Wappinger Lake is very shallow and there is the possibility that the pontoon boat with the Vibra Core cannot navigate to the northern section of the lake. If that is the case, sediment will be retrieved using the jon boat and a manual push core.

Weather: Clear, sunny ~ 30°F.

0855 - Arrive at 0269-SED15, south end of Wappinger Lake.

Bottom Depth: 2.9'.

Full 24" of recovery.

0920 - Arrive at 0269-SED16, west, central portion of Wappinger Lake.

Bottom Depth: 2.8'.

Full 24" of recovery.

0940 - Return to command post, relinquish cores to CT and DB for sampling.

0945 - Head back out to attempt SED17 and SED18 using the pontoon boat.

11/16/15

11-16-15 Wappinger Creek

Photo Log

WC-11-16-1: Samp. 18

11/16/15

11/16/15

Rite in the Rain

11-16-13 Wappinger Creek.

1000 - Arrive at 0269-SED17. Decide to move downstream of proposed location due to shallow depth upstream. Bottom Depth: 1.9'. At the entrance to an embayment, emergent vegetation along the north and south ends. -

Full 24" of recovery

1015 - Depart for upstream. I ask Aqua Survey to go as far upstream as possible for 0269-SED16, or proposed location, whichever is encountered first.

1025 - Encounter waterfalls. Exposed bedrock along the banks. May be limited sediment at this location.

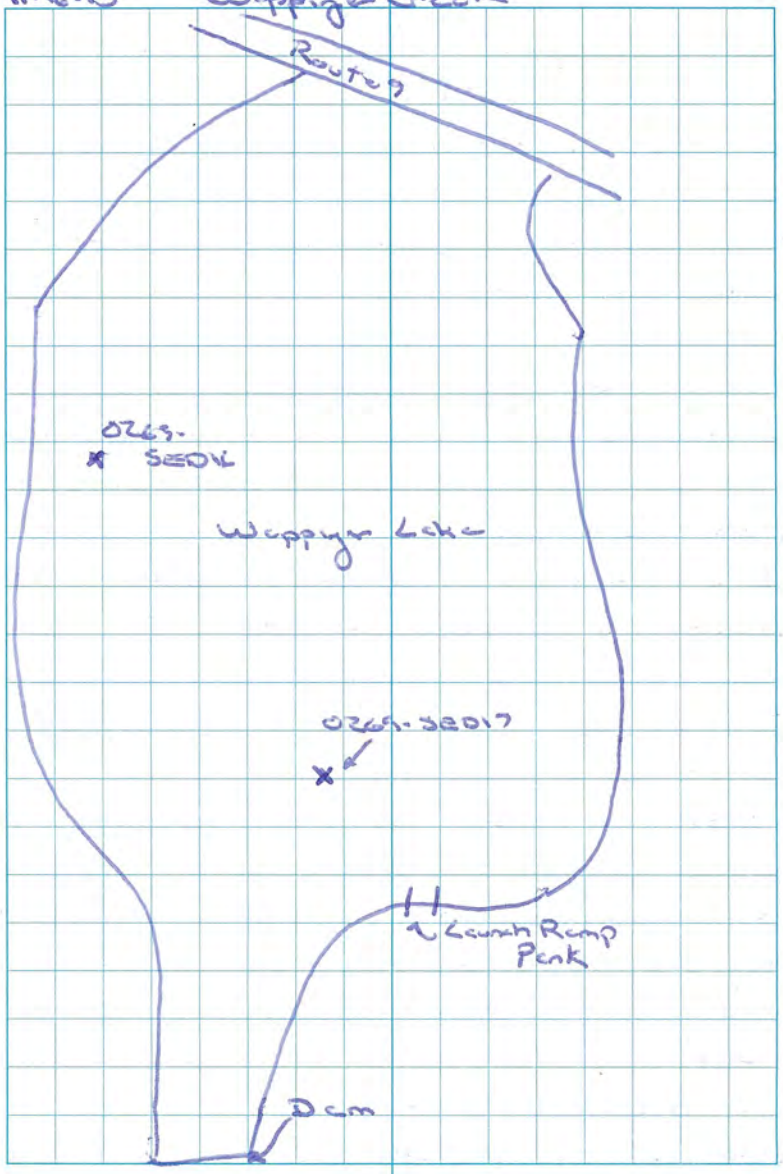
Bottom Depth 6.8'.

- Vibra-Core encounters rock, move downstream to a more suitable location. -
- 2nd location, Depth is 5.1'. Small embayment on the east bank, just downstream of a small tributary.
- only 12" of recovery. Go down again. -
- full 24" on 2nd attempt.

1120 - Return to command post. Relinquish samples to CT and DB for sampling. -

11/16/13

11-16-13 Wappinger Creek



11/16/13

Rite in the Rain

11-16-15 Wappinger Creek

1215- SS collects Rinsate Blank

0269-RW05

pour DI water over decanted core catcher.

- Aqua Survey pulls up. Preparing to move to Moodna Creek for background samples.

SS and Aqua Survey will move to Moodna Creek. CT and DD will remain at Wappinger Lake to conduct sample mgmt.

1240- Depart.

1315- Arrive at shore road boat launch south of Moodna Creek.

- Signs say "Emergency Launch Only". Aqua Survey decides to launch anyway. Gets OK from office.

- Police arrive. gives OK to launch pending background check.

1400- Depart Cornwall Landing, head to Moodna Creek.

1410- Arrive 0269-SED20.

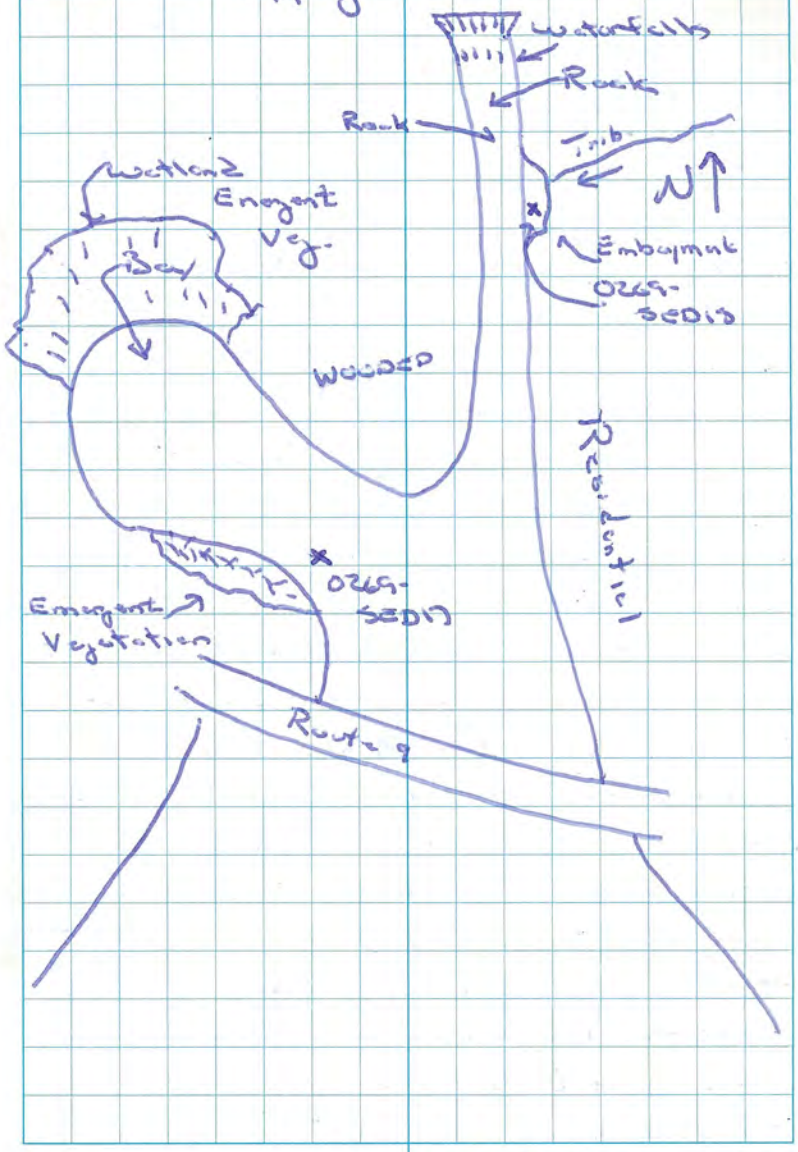
Bottom Depth: 3.5'.

Full 24" of recovery.

1430- Arrive at 0269-SED21.

11/16/15

11-16-15 Wappinger Creek



11/16/15

Rite in the Rain

11-16-13 Wappinger Creek

Bottom Depth: 5.9'

only ~ 12" of recovery. Sediment is course, move to an area w/ more silt.

2nd location 2.6' deep. Full 24" of recovery.

1515 - Back at Cornwall Landing, Aqua Survey picks up. SS back to command post.

1555 - SS back at command post, relinquish sediment cores to Test America

- Collect samples, pack on ice, run through Scribe.

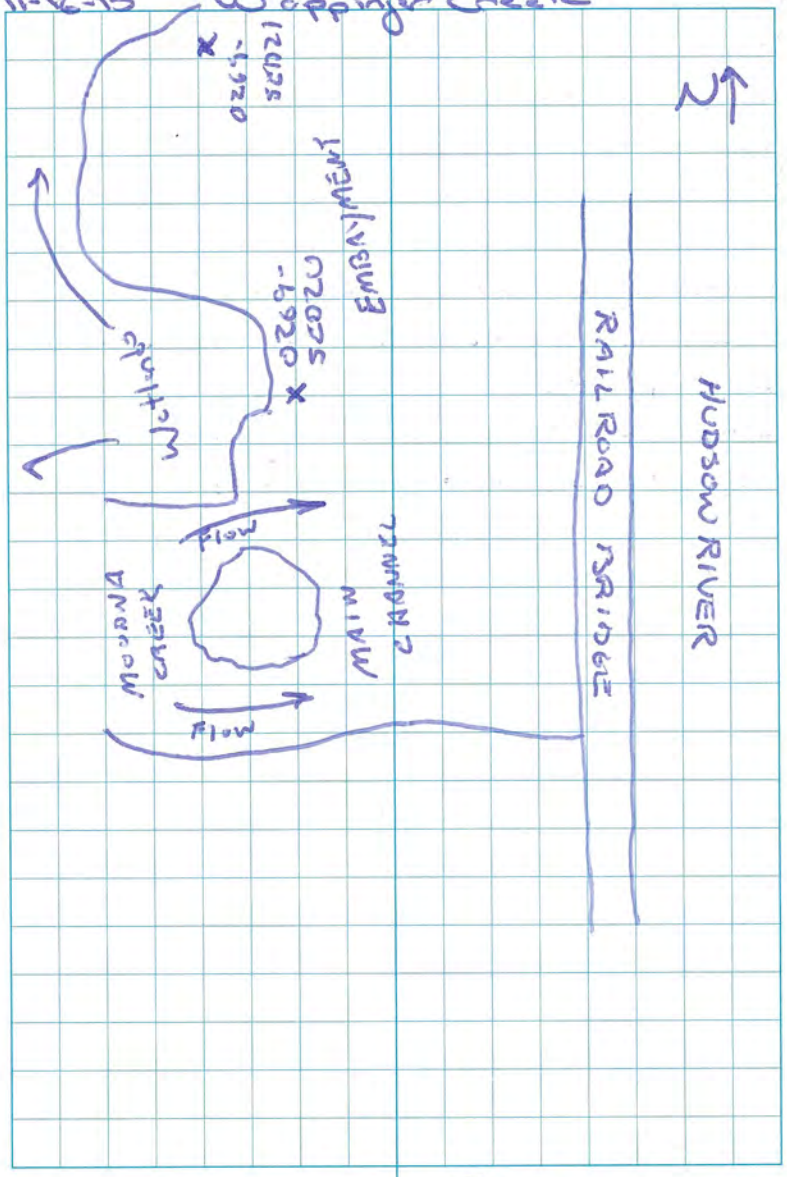
1730 - Depart site.

1800 Arrive at FedEx.

- Ship two coolers to Chemtech for Organics TAL VOCs and SVOCs under COC#s 2-111615-124342-0027 and 2-111615-154058-0028 and FedEx Airbill No. 8048 5684 8449.
- Ship one cooler to Shealy for TAL Inorganics under COC# 2-111615-154640-0029 and FedEx Airbill No. 8048 5684 8430.
- Ship one cooler to Test America

11/16/13

11-16-13 Wappinger Creek



11/16/13

Rite in the Rain

11-16-15 Wappinger Creek

Below are the sample times reported by CT and DD.

Time	Sample No.	Depth
0950	0269-SED15-0-6	0"-6"
1000	0269-SED15-6-12	6"-12"
1010	0269-SED15-12-24	12"-24"
0955	0269-SED23-0-6	D-p. of 0269-SED15-0-6
1030	0269-SED16-0-6	0"-6"
1040	0269-SED16-6-12	6"-12"
1050	0269-SED16-12-24	12"-24"
1140	0269-SED17-0-6	0"-6"
1150	0269-SED17-6-12	6"-12"
1200	0269-SED17-12-24	12"-24"
1215	0269-SED18-0-6	0"-6"
1225	0269-SED18-6-12	6"-12"
1235	0269-SED18-12-24	12"-24"
1600	0269-SED20-0-6	0"-6"
1610	0269-SED20-6-12	6"-12"
1620	0269-SED20-12-24	12"-24"
1630	0269-SED21-0-6	0"-6"
1640	0269-SED21-6-12	6"-12"
1650	0269-SED21-12-24	12"-24"

11/16/15

11-16-15 Wappinger Creek

for TOC analysis under COC# 2-111615-155811-0030 and FedEx Airbill No. 8088 5604 8460. —

• Ship one cooler to Eurofins under COC# 2-111615-160332-0031 and FedEx Airbill No. 8088 5604 8460.

Case No. 45717 is complete. —

END SAMPLING.

11/16/15

Rite in the Rain.

11-17-15 Wappinger Creek

Photo Log for 11-16-15

WC-11-16-1: Vibra Core 0269-SED15, looking NW.

WC-11-16-2: Same.

WC-11-16-3: Marking top and bottom on sediment core from 0269-SED15.

WC-11-16-4: Wappinger Lake from 0269-SED16, looking S.

WC-11-16-5: Measuring length of sediment core from 0269-SED16.

WC-11-16-6: Embayment from 0269-SED17, looking NW.

WC-11-16-7: Vibra core 0269-SED17, looking E.

WC-11-16-8: Emergent vegetation adjacent to 0269-SED17, looking SW.

WC-11-16-9: Waterfalls encountered upstream of 0269-SED18.

WC-11-16-10: Exposed bedrock near waterfalls.

WC-11-16-11: Collecting 0269-RIN05

WC-11-16-12: Emergent vegetation adjacent to 0269-SED20, looking W.

WC-11-16-12: Same looking NW.

11/17/15

11-17-15 Wappinger Creek

WC-11-16-13: Wide view of background area, mouth of Moodna Creek, looking NW.

WC-11-16-14: Same, looking S.

WC-11-16-15: Same, looking W.

WC-11-16-16: Same, looking N.

11/17/15

Rite in the Rain

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-1: Geoprobe at borehole location 0269-S01, looking NW.

Photo No. WC-10-29-2: Soil cores stored on ice pending field screening and logging.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-3: Decontaminating non-dedicated sampling equipment.

Photo No. WC-10-29-4: Homogenizing soil using dedicated plastic scoop and dedicated aluminum pan.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-5: Geoprobe at borehole location 0269-S02, looking NE.

Photo No. WC-10-29-6: Geoprobe at borehole location 0269-S03, looking W.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-7: Field screening of soil cores.

Photo No. WC-10-29-8: Soil core from 0269-S03, 10–15 feet.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-9: Collecting rinsate blank 0269-RIN01.

Photo No. WC-10-29-10: Geoprobe at borehole location 0269-S05, looking NW.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-11: Geoprobe at borehole location 0269-S09, looking W.

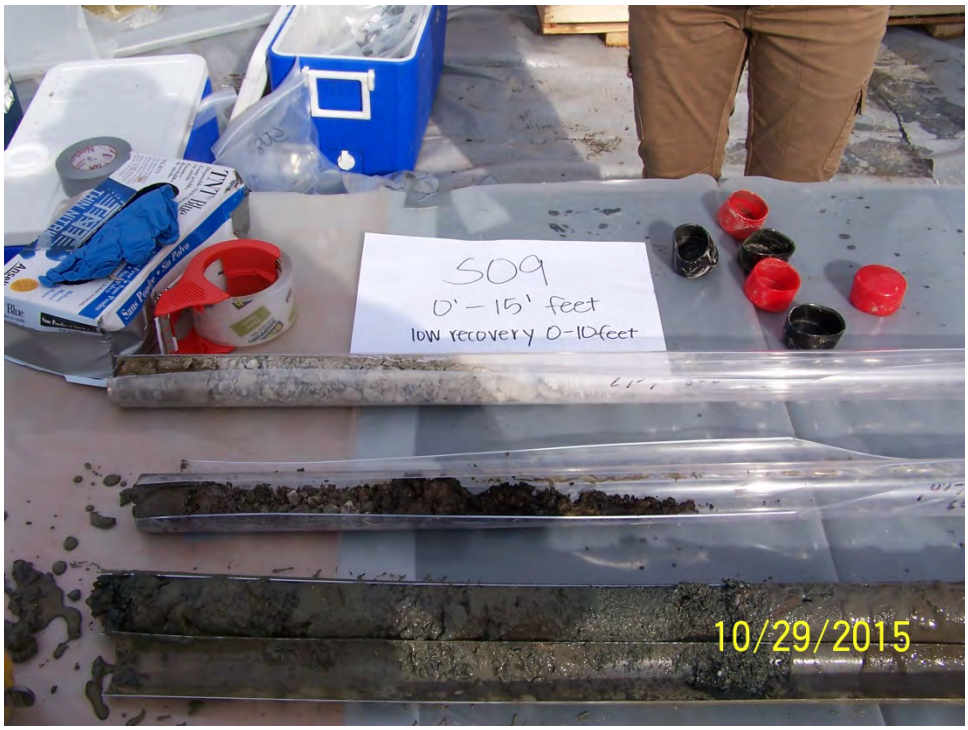


Photo no. WC-10-29-12: Low recovery from borehole 0269-S09.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-29-13: Geoprobe at borehole location 0269-S08, looking E.

Photo No. WC-10-30-1: Geoprobe at background borehole location 0269-S10, looking SE.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-10-30-2: Using En Core dedicated sampling devices.

Photo No. WC-11-10-1: Collecting 0269-SW01.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-10-2: Collected 0269-SW02.

Photo No. WS-11-10-3: Preserving 0269-SW03 VOC aliquot with hydrochloric acid (HCl).

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-10-4: Mouth of Three Star Lagoon from surface water sampling location 0269-SW06.

Photo No. WC-11-10-5: Collecting 0269-SW06.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-10-6: Collecting 0269-RIN03 (surface water sampler).

Photo No. WC-11-10-7: Collecting 0269-SW07 at north parcel outfall, looking north.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-10-8: Collecting 0269-SW08 at north parcel outfall, looking north.

Photo No. 11-11-1: Lowering Vibracore at sediment sample location 0269-SED01.

Photo No. WC-11-11-2: Lowering Vibracore through hatch in center of boat.

Photo No. 11-11-3: Sediment core from 0269-SED01.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-11-4: Using dedicated En Core sampling devices.

Photo No. WC-11-11-5: Homogenizing sediment using a dedicated aluminum pan and plastic scoop.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-11-6: Vibracore sediment core catcher and plastic sleeve.

Photo No. WC-11-11-7: Advancing Vibracore at 0269-SED02, CR 28 bridge in the background.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-11-8: Measuring water depth.

Photo No. WC-11-11-9: Marking “top” and bottom” of sediment core.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-11-10: Lowering Vibracore at sediment sampling location 0269-SED05, looking north.

Photo No. WC-11-11-11: Measuring sediment core from 0269-SED04 (0–6 inches) for sampling interval.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-11-12: Using dedicated En Core sampling devices to collect VOC sample fraction.

Photo No. WC-11-12-1: Collecting 0269-RIN04 (core catcher).

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-12-2: Lowering Vibracore at sediment sampling location 0269-SED06.

Photo No. WC-11-12-3: Embayment, looking north.

Photo No. WC-11-12-4: Extracting sediment core at 0269-SED08.

Photo No. WC-11-12-5: Lowering Vibracore at 0269-SED08, north end of embayment, looking north.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-12-6: Homogenizing sediment sample.

Photo No. WC-11-12-7: Command post at Creek Road boat launch, looking east.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-12-8: Lowering Vibracore at 0269-SED11 (shoal area), looking north.

Photo No. WC-11-12-9: Former MGP area from 0269-SED19, looking east.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-12-10: Possible MGP waste retrieved from 0269-SED19.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-12-11: Mouth of former Three Star lagoon and former Axton Cross facility form 0269-SED12, looking northeast.

Photo no. WC-11-13-1: Route 9 bridge from 0269-SW10, looking north.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. 11-13-2: Wappinger Lake from 0269-SW10, looking southwest.

WC-11-13-3: Looking downstream from 0269-SW11.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-16-1: Vibracore at 0269-SED15, looking northwest.

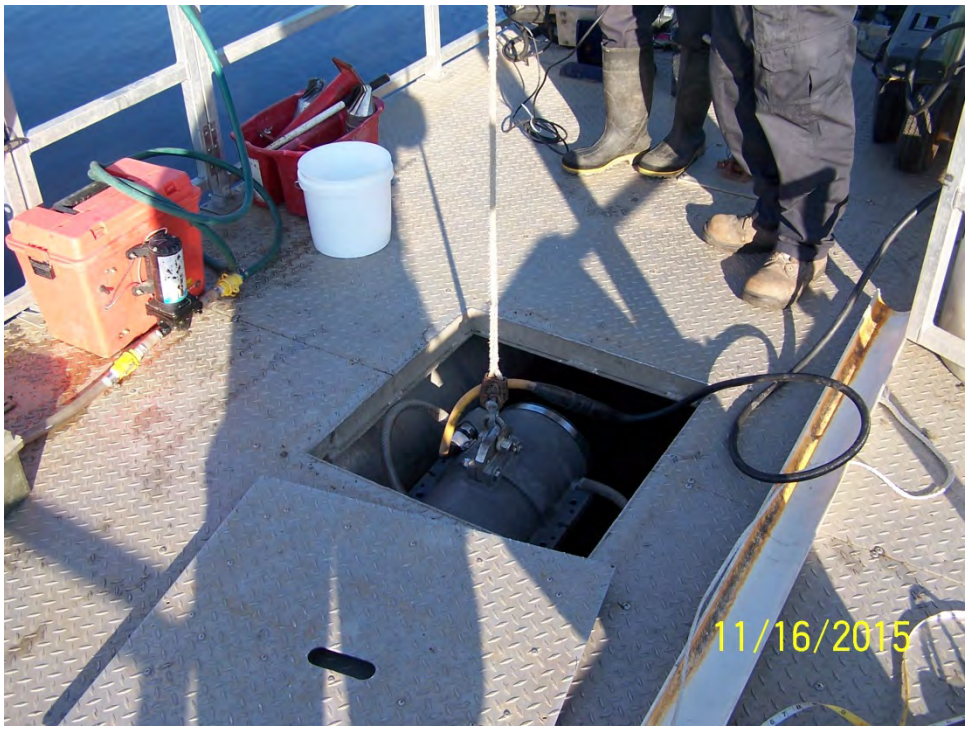


Photo No. WC-11-16-2: Lowering Vibracore at 0269-SED15.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

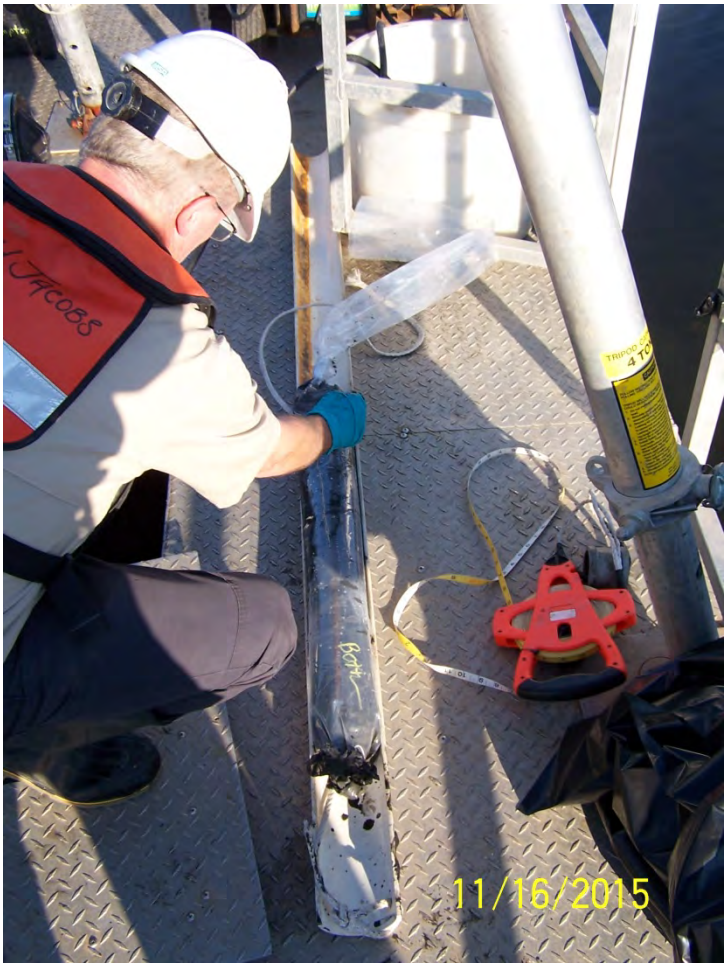


Photo No. WC-11-16-3: Marking “top” and “bottom” on sediment core from 0269-SED15.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-16-4: Wappinger Lake from 0269-SED16, looking south.

Photo No. WC-11-16-5: Measuring length of sediment core from 0269-SED16.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo no. WC-11-16-6: Embayment north of Route 9 bridge from 0269-SED17, looking northwest.

Photo No. WC-11-16-7: Lowering Vibracore at 0269-SED17.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-16-8: Emergent vegetation along fringe of upstream embayment, looking southwest.

Photo no. WC-11-16-9: Waterfalls prevented accessing proposed sediment sample location 0269-SED18.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-16-10: Exposed bedrock downstream of waterfall. Vibracore encountered refusal in this area.

Photo No. WC-11-16-11: Collecting 0269-RIN05 prior to sampling at background locations.

Photo Documentation
Wappinger Creek
HRS Sampling Events
October–November 2015

Photo No. WC-11-16-12: Emergent vegetation adjacent to 0269-SED20, Moodna Creek embayment.

Photo No. WC-11-16-13: Emergent vegetation adjacent to 0269-SED20, looking northwest.

Photo No. WC-11-16-14: Wide view of Moodna Creek embayment, looking northwest.

Photo No. WC-11-16-15: Wide view of Moodna Creek embayment, looking south.

REFERENCE 18

EXECUTIVE NARRATIVE

Case No. : 45717
Site: Wappinger Creek
Number of Samples: 40 (Soil)
Analysis: VOA, BNA

SDG No.: BC765
Laboratory: Chemtech Consulting
Sampling dates: 10/29/15
Validation SOP: HW-33A (Rev 0), HW-35A (Rev 0)

QAPP:
Contractor: Weston Solutions,
Reference: DCN: W0269_1E_00632

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:

None

Major Findings:
VOA: Sample BC7E3RE have analytes that have been qualified "J", "J+" or "J-".

Minor Findings:
None.

COMMENTS: The site specific QAPP did not provide the project action levels for field samples.

Reviewer Name(s): Dorina Christina Alliu/ Reginald Saint-Juste

Approver's Signature: **Date: 11/13/2015**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A/VOA (Revision 0) July 2015, USEPA Region II Data Validation SOP for Statement of Work SOM02.2 for evaluating organic data has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report. Tentatively Identified Compounds (TICS) for VOA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

The following volatile samples have one or more DMC/surrogate percent recoveries greater than the primary maximum criteria Detects are qualified as estimated J+. Non-detected compounds are not qualified.

Chloroethane-d5 BC7E3
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide.

1,1-Dichloroethene-d2 BC7E3
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

Chloroform-d BC7E3
1,1-Dichloroethane, Bromochloromethane, Chloroform, Dibromochloromethane, Bromoform.

Benzene-d6 BC7E3
Benzene

1,2-Dichloropropane-d6 BC7E3, BC7E3RE
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane.

Toluene-d8 BC7E3
Trichloroethene, Toluene, Tetrachloroethene, Ethylbenzene, o-Xylene, m,p-Xylene, Styrene, Isopropylbenzene

2-Hexanone-d5 BC7E3
4-Methyl-2-pentanone, 2-Hexanone

1,1,2,2-Tetrachloroethane-d2 BC7E3
1,1,2,2,-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

1,2-Dichloroethane-d4 BC7E3
Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl acetate, Methylene chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dibromoethane, 1,2-Dichloroethane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated rinse blank common contaminant concentration is less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

Acetone BC766, BC7E0, BC7E1, BC7E2, BC7F2.

C) Trip blank contamination for VOA aqueous samples:

Not applicable.

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 33A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 33A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 33A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration percent relative deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non Detects are not qualified.

Dichlorodifluoromethane BC765, BC766, BC767, BC768, BC769, BC771, BC7D5, BC7D6, BC7D7, BC7D8, BC7D9, BC7E0, BC7E1, BC7E2, BC7E3, BC7E4, BC7E7, BC7E8, BC7F0, BC7F2, VBLK22, VBLK23.

Bromoform VBLK24, VHBLK01.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of 50% - 200 % of the associated continuing calibration internal standard area. The retention time of the internal standards must not vary more than 30 seconds from the associated continuing calibration standard. If the area count is greater than 200%, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than 50% of the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

The following volatile samples have internal standard area response less than expanded minimum criteria. Detected compounds are qualified J+. Non-detected compounds are qualified as unusable R.

1,4-Dichlorobenzene-d4 BC7E3
1,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene,1,2-Dibromo-3-chloropropane,1,2 Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform.

The following volatile samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detected are qualified as estimated J+. Non-detected are qualified as estimated UJ.

1,4-Difluorobenzene BC7E3RE
1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,4-Dioxane, 2-Butanone, Acetone, Bromochloromethane, Bromomethane, Carbon disulfide, Chloroethane, Chloroform, Chloromethane, Dichlorodifluoromethane, Methyl Acetate, Methyl tert-butyl ether, Methylene chloride, Trichlorofluoromethane, Vinyl chloride, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene.

Chlorobenzene-d5 BC7E3
1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2-Dibromoethane, 1,2-Dichloropropane, 2-Hexanone, 4-Methyl-2-Pentanone, Benzene, Bromodichloromethane, Carbon tetrachloride,Chlorobenzene,Cyclohexane,Dibromochloromethane,Ethylbenzene, Isopropylbenzene,Methylcyclohexane,Styrene,Tetrachloroethene,Toluene,Trichloroethene,cis-1,3-Dichloropropene,m,p-Xylene,o-Xylene,trans-1,3-Dichloropropene.

1,4-Dichlorobenzene-d4 BC7E3
,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene,1,2-Dibromo-3-chloropropane,1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform.

8. FIELD DUPLICATES:

Not applicable.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: BNA

The current SOP HW-35A (Revision 0) July 2015, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to all the samples and analytes as shown below.

The following semi-volatile samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

4-Chloroaniline BC767
4-Chloroaniline, Hexachlorocyclopentadienne, Dichlorobenzidine.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 0).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No qualification was applied

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following semi-volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

Butylbenzylphtalate BC765, BC766, BC767, BC768, BC769, BC771, BC7D5, BC7D6, BC7D7, BC7D8, BC7D9, BC7E0, BC7E1, BC7E2, BC7E3, BC7E4, BC7E7, BC7E8, BC7F0, BC7F2, SBLK64.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 0). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-",

and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Not applicable.

9. COMPOUND IDENTIFICATION:

A) Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

0269-S01

Case No:	45717	Contract:	EPW14030	SDG No:	BC765	Lab Code:	CHM

Sample Number:	BC765	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:	7.35	Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	72.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	92	U	ug/kg	92	U	1.0	Yes	S3VEM
Benzaldehyde	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Phenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylphenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Acetophenone	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4-Methylphenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Naphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Caprolactam	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	720		ug/kg	720		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Acenaphthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluorene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Atrazine	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Phenanthrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Carbazole	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Chrysene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(a)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(g,h,i)perylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
n-Hexadecanoic acid	TIC	100	J	ug/kg	100	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC765	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	72.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Chloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Bromomethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Chloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Acetone	Target	46		ug/kg	46		1.0	Yes	S3VEM
Carbon disulfide	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
2-Butanone	Target	17		ug/kg	17		1.0	Yes	S3VEM
Bromochloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Chloroform	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Benzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Toluene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
o-xylene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Styrene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Bromoform	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.9	U	ug/kg	6.9	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC766	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:40:00
% Moisture :				% Solids :	94.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Bromomethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Acetone	Target	12	U	ug/kg	14		1.0	Yes	S3VEM
Carbon disulfide	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chloroform	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Benzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Toluene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
o-xylene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Styrene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Bromoform	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC766	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:	8.52	Sample Date:	10/29/2015	Sample Time:	10:40:00
% Moisture :				% Solids :	94.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	71	U	ug/kg	71	U	1.0	Yes	S3VEM
Benzaldehyde	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Phenol	Target	40	J	ug/kg	40	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2-Methylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Acetophenone	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Methylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Hexachloroethane	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Nitrobenzene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Isophorone	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Naphthalene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Caprolactam	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	610		ug/kg	610		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Acenaphthene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Dibenzofuran	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Diethylphthalate	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Fluorene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Atrazine	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Phenanthrene	Target	45	J	ug/kg	45	J	1.0	Yes	S3VEM
Anthracene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Carbazole	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Fluoranthene	Target	66	J	ug/kg	66	J	1.0	Yes	S3VEM
Pyrene	Target	49	J	ug/kg	49	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Chrysene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	65	J	ug/kg	65	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	38	J	ug/kg	38	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Myristin, 1,3-diaceto-2-	TIC	76	J	ug/kg	76	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
unknown-01	TIC	190	J	ug/kg	190	J	1.0	Yes	NV
n-Hexadecanoic acid	TIC	75	J	ug/kg	75	J	1.0	Yes	NV
Myristin, 2,3-diaceto-1-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC767	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:	7.67	Sample Date:	10/29/2015	Sample Time:	11:35:00
% Moisture :				% Solids :	84.5		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	41	J	ug/kg	41	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	660		ug/kg	660		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	230		ug/kg	230		1.0	Yes	S3VEM
Anthracene	Target	50	J	ug/kg	50	J	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	380		ug/kg	380		1.0	Yes	S3VEM
Pyrene	Target	250		ug/kg	250		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	170	J	ug/kg	170	J	1.0	Yes	S3VEM
Chrysene	Target	160	J	ug/kg	160	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	220		ug/kg	220		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	67	J	ug/kg	67	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	150	J	ug/kg	150	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	96	J	ug/kg	96	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	92	J	ug/kg	92	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Tridecanoic acid	TIC	87	J	ug/kg	87	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Benzo[e]pyrene	TIC	86	J	ug/kg	86	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC767	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:35:00
% Moisture :				% Solids :	84.5		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Vinyl chloride	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Bromomethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Acetone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Carbon disulfide	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methyl Acetate	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methylene chloride	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
2-Butanone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Bromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chloroform	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Cyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Benzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Trichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Toluene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
2-Hexanone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Ethylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
o-xylene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
m,p-Xylene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Styrene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Bromoform	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC768	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:35:00
% Moisture :				% Solids :	84.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Bromomethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Acetone	Target	54		ug/kg	54		1.0	Yes	S3VEM
Carbon disulfide	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
2-Butanone	Target	13		ug/kg	13		1.0	Yes	S3VEM
Bromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chloroform	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Benzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Toluene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
o-xylene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Styrene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Bromoform	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC768	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:	7.95	Sample Date:	10/29/2015	Sample Time:	12:35:00
% Moisture :				% Solids :	84.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	50	J	ug/kg	50	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	660		ug/kg	660		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	370		ug/kg	370		1.0	Yes	S3VEM
Anthracene	Target	91	J	ug/kg	91	J	1.0	Yes	S3VEM
Carbazole	Target	47	J	ug/kg	47	J	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	550		ug/kg	550		1.0	Yes	S3VEM
Pyrene	Target	410		ug/kg	410		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	230		ug/kg	230		1.0	Yes	S3VEM
Chrysene	Target	240		ug/kg	240		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	40	J	ug/kg	40	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	300		ug/kg	300		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	110	J	ug/kg	110	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	210		ug/kg	210		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	140	J	ug/kg	140	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	44	J	ug/kg	44	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	140	J	ug/kg	140	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC	80		ug/kg	80		1.0	Yes	NV
Dodecanoic acid	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
unknown-01	TIC	100	J	ug/kg	100	J	1.0	Yes	NV
n-Hexadecanoic acid	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
1,1-Biphenyl, 5,2,3,4-tetramet	TIC	160	J	ug/kg	160	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC769	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:35:00
% Moisture :				% Solids :	84.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromomethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.2		ug/kg	5.2		1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	9.2		ug/kg	9.2		1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloroform	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	99		ug/kg	99		1.0	Yes	S3VEM
Cyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Benzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
o-xylene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Styrene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromoform	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC769	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:	7.21	Sample Date:	10/29/2015	Sample Time:	13:35:00
% Moisture :				% Solids :	84.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	300		ug/kg	300		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	250		ug/kg	250		1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	410		ug/kg	410		1.0	Yes	S3VEM
Pyrene	Target	270		ug/kg	270		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	170	J	ug/kg	170	J	1.0	Yes	S3VEM
Chrysene	Target	180	J	ug/kg	180	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	210		ug/kg	210		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	72	J	ug/kg	72	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	140	J	ug/kg	140	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	85	J	ug/kg	85	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	77	J	ug/kg	77	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
n-Hexadecanoic acid	TIC	89	J	ug/kg	89	J	1.0	Yes	NV
unknown-01	TIC	83	J	ug/kg	83	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC771	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:30:00
% Moisture :				% Solids :	87.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Chloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Bromomethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Chloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Acetone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Chloroform	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Benzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Toluene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
o-xylene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Styrene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Bromoform	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.9	U	ug/kg	5.9	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC771	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:	8.41	Sample Date:	10/29/2015	Sample Time:	15:30:00
% Moisture :				% Solids :	87.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	Yes	S3VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Naphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	410		ug/kg	410		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Acenaphthene	Target	54	J	ug/kg	54	J	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluorene	Target	46	J	ug/kg	46	J	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Phenanthrene	Target	650		ug/kg	650		1.0	Yes	S3VEM
Anthracene	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluoranthene	Target	840		ug/kg	840		1.0	Yes	S3VEM
Pyrene	Target	690		ug/kg	690		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	410		ug/kg	410		1.0	Yes	S3VEM
Chrysene	Target	400		ug/kg	400		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	430		ug/kg	430		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	160	J	ug/kg	160	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	290		ug/kg	290		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	160	J	ug/kg	160	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	62	J	ug/kg	62	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	96	J	ug/kg	96	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
unknown-01	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
11H-Benzo[b]fluorene	TIC	79	J	ug/kg	79	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Phenanthrene, 1-methyl-	TIC	140	J	ug/kg	140	J	1.0	Yes	NV
4H-Cyclopenta[def]phenanthrene	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
Cyclopenta[cd]pyrene	TIC	76	J	ug/kg	76	J	1.0	Yes	NV
Phenanthrene, 2-methyl-	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
Benzo[b]naphtho[2,3-d]furan	TIC	110	J	ug/kg	110	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D5	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:40:00
% Moisture :				% Solids :	74.7		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Chloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Bromomethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Chloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Acetone	Target	28		ug/kg	28		1.0	Yes	S3VEM
Carbon disulfide	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Chloroform	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Benzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Toluene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
o-xylene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Styrene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Bromoform	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D5	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:	6.80	Sample Date:	10/29/2015	Sample Time:	09:40:00
% Moisture :				% Solids :	74.7		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	90	U	ug/kg	90	U	1.0	Yes	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Phenol	Target	88	J	ug/kg	88	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Naphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	970		ug/kg	970		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Acenaphthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluorene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Phenanthrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Chrysene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D6	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:35:00
% Moisture :				% Solids :	74.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Chloromethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Bromomethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Chloroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Acetone	Target	31		ug/kg	31		1.0	Yes	S3VEM
Carbon disulfide	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromochloromethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Chloroform	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Cyclohexane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Benzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Toluene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
o-xylene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Styrene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Bromoform	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.4	U	ug/kg	7.4	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D6	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:	6.97	Sample Date:	10/29/2015	Sample Time:	09:35:00
% Moisture :				% Solids :	74.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	90	U	ug/kg	90	U	1.0	Yes	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Phenol	Target	80	J	ug/kg	80	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Naphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1000		ug/kg	1000		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Acenaphthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluorene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Phenanthrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Chrysene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	TIC	120	J	ug/kg	120	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D7	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:	8.22	Sample Date:	10/29/2015	Sample Time:	10:50:00
% Moisture :				% Solids :	83.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	80	U	ug/kg	80	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	78	J	ug/kg	78	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	800		ug/kg	800		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC	82		ug/kg	82		1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D7	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:50:00
% Moisture :				% Solids :	83.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Vinyl chloride	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Bromomethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Acetone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Carbon disulfide	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methyl Acetate	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methylene chloride	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
2-Butanone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Bromochloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chloroform	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Cyclohexane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Benzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Trichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Toluene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
2-Hexanone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Ethylbenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
o-xylene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
m,p-Xylene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Styrene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Bromoform	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D8	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:	8.19	Sample Date:	10/29/2015	Sample Time:	10:55:00
% Moisture :				% Solids :	84.1		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	78	J	ug/kg	78	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	960		ug/kg	960		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D8	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:55:00
% Moisture :				% Solids :	84.1		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Bromomethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Acetone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chloroform	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Benzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Toluene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
o-xylene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Styrene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Bromoform	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.8	U	ug/kg	5.8	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D9	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:30:00
% Moisture :				% Solids :	81.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Bromomethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Acetone	Target	30		ug/kg	30		1.0	Yes	S3VEM
Carbon disulfide	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
2-Butanone	Target	11		ug/kg	11		1.0	Yes	S3VEM
Bromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chloroform	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Benzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Toluene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
o-xylene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Styrene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Bromoform	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7D9	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:	7.59	Sample Date:	10/29/2015	Sample Time:	11:30:00
% Moisture :				% Solids :	81.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	U	ug/kg	82	U	1.0	Yes	S3VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Phenol	Target	64	J	ug/kg	64	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Naphthalene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	720		ug/kg	720		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Fluorene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Phenanthrene	Target	54	J	ug/kg	54	J	1.0	Yes	S3VEM
Anthracene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Fluoranthene	Target	62	J	ug/kg	62	J	1.0	Yes	S3VEM
Pyrene	Target	45	J	ug/kg	45	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Chrysene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Total Alkanes	TIC	120		ug/kg	120		1.0	Yes	NV
n-Hexadecanoic acid	TIC	140	J	ug/kg	140	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E0	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:25:00
% Moisture :				% Solids :	86.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Vinyl chloride	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Bromomethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Acetone	Target	9.8	U	ug/kg	14		1.0	Yes	S3VEM
Carbon disulfide	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methyl Acetate	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methylene chloride	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
2-Butanone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Bromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chloroform	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Cyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Benzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Trichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Toluene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
2-Hexanone	Target	9.8	U	ug/kg	9.8	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Chlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Ethylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
o-xylene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
m,p-Xylene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Styrene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Bromoform	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E0	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:	7.67	Sample Date:	10/29/2015	Sample Time:	11:25:00
% Moisture :				% Solids :	86.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	77	U	ug/kg	77	U	1.0	Yes	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	360		ug/kg	360		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E1	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:	7.75	Sample Date:	10/29/2015	Sample Time:	12:30:00
% Moisture :				% Solids :	67.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	Yes	S3VEM
Benzaldehyde	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Phenol	Target	52	J	ug/kg	52	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Acetophenone	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachloroethane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Nitrobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Isophorone	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Naphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Caprolactam	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	850		ug/kg	850		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Acenaphthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Dibenzofuran	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Diethylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluorene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Atrazine	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Phenanthrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Carbazole	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluoranthene	Target	82	J	ug/kg	82	J	1.0	Yes	S3VEM
Pyrene	Target	73	J	ug/kg	73	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Chrysene	Target	52	J	ug/kg	52	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	J	ug/kg	200	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	53	J	ug/kg	53	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Total Alkanes	TIC	940		ug/kg	940		1.0	Yes	NV
4,4,6a,6b,8a,11,12,14b-Octamethyl-	TIC	780	J	ug/kg	780	J	1.0	Yes	NV
Sulfur	TIC	170	J	ug/kg	170	J	1.0	Yes	NV
8-Amino-6,7-dimethoxy-4-methylquin	TIC	320	J	ug/kg	320	J	1.0	Yes	NV
Imidazolo[1,2-a]pyridine, 6-chloro	TIC	210	J	ug/kg	210	J	1.0	Yes	NV
unknown-01	TIC	210	J	ug/kg	210	J	1.0	Yes	NV
2(1H)Naphthalenone, 3,5,6,7,8,8a-h	TIC	630	J	ug/kg	630	J	1.0	Yes	NV
n-Hexadecanoic acid	TIC	110	J	ug/kg	110	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E1	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:30:00
% Moisture :				% Solids :	67.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Chloromethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Vinyl chloride	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Bromomethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Chloroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Acetone	Target	17	U	ug/kg	21		1.0	Yes	S3VEM
Carbon disulfide	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Methyl Acetate	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Methylene chloride	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
2-Butanone	Target	17	U	ug/kg	17	U	1.0	Yes	S3VEM
Bromochloromethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Chloroform	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Cyclohexane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Benzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Trichloroethene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	17	U	ug/kg	17	U	1.0	Yes	S3VEM
Toluene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
2-Hexanone	Target	17	U	ug/kg	17	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Chlorobenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Ethylbenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
o-xylene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
m,p-Xylene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Styrene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Bromoform	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	8.3	U	ug/kg	8.3	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E2	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:	7.85	Sample Date:	10/29/2015	Sample Time:	12:25:00
% Moisture :				% Solids :	85.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	78	U	ug/kg	78	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	700		ug/kg	700		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E2	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:25:00
% Moisture :				% Solids :	85.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromomethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	19		1.0	Yes	S3VEM
Carbon disulfide	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloroform	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Benzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
o-xylene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Styrene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromoform	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E3	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:	8.52	Sample Date:	10/29/2015	Sample Time:	13:40:00
% Moisture :				% Solids :	85.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	78	U	ug/kg	78	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	42	J	ug/kg	42	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	400		ug/kg	400		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	340		ug/kg	340		1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	310		ug/kg	310		1.0	Yes	S3VEM
Pyrene	Target	220		ug/kg	220		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	96	J	ug/kg	96	J	1.0	Yes	S3VEM
Chrysene	Target	120	J	ug/kg	120	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	44	J	ug/kg	44	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	76	J	ug/kg	76	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	44	J	ug/kg	44	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E3	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:40:00
% Moisture :				% Solids :	85.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Bromomethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Acetone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Carbon disulfide	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.5	J	ug/kg	6.5	J	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chloroform	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	51		ug/kg	51		1.0	Yes	S3VEM
Cyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Benzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Toluene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
o-xylene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Styrene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Bromoform	Target	7.3	R	ug/kg	7.3	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E4	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:45:00
% Moisture :				% Solids :	84.7		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Vinyl chloride	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Bromomethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Acetone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Carbon disulfide	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methyl Acetate	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methylene chloride	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	21		ug/kg	21		1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
2-Butanone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Bromochloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chloroform	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	56		ug/kg	56		1.0	Yes	S3VEM
Cyclohexane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Benzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Trichloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Toluene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
2-Hexanone	Target	9.5	U	ug/kg	9.5	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Chlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Ethylbenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
o-xylene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
m,p-Xylene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Styrene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Bromoform	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	4.7	U	ug/kg	4.7	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E4	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:	7.03	Sample Date:	10/29/2015	Sample Time:	13:45:00
% Moisture :				% Solids :	84.7		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	61	J	ug/kg	61	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	940		ug/kg	940		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC	88		ug/kg	88		1.0	Yes	NV
n-Hexadecanoic acid	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
Octadecanoic acid	TIC	93	J	ug/kg	93	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E7	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:	8.73	Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	75		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	89	U	ug/kg	89	U	1.0	Yes	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Phenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Naphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	780		ug/kg	780		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Acenaphthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluorene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Phenanthrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Chrysene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E7	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	75		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Chloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Bromomethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Chloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Acetone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Carbon disulfide	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
2-Butanone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Bromochloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Chloroform	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Cyclohexane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Benzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Toluene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
2-Hexanone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
o-xylene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Styrene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Bromoform	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.9	U	ug/kg	7.9	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E8	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:45:00
% Moisture :				% Solids :	82.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Chloromethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Bromomethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Chloroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Chloroform	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Benzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
o-xylene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Styrene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Bromoform	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.1	U	ug/kg	5.1	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7E8	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:	7.42	Sample Date:	10/29/2015	Sample Time:	15:45:00
% Moisture :				% Solids :	82.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	U	ug/kg	81	U	1.0	Yes	S3VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	520		ug/kg	520		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7F0	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S08	pH:	8.07	Sample Date:	10/29/2015	Sample Time:	15:00:00
% Moisture :				% Solids :	71		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	94	U	ug/kg	94	U	1.0	Yes	S3VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Phenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Naphthalene	Target	71	J	ug/kg	71	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	600		ug/kg	600		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Fluorene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Phenanthrene	Target	87	J	ug/kg	87	J	1.0	Yes	S3VEM
Anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Carbazole	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Fluoranthene	Target	120	J	ug/kg	120	J	1.0	Yes	S3VEM
Pyrene	Target	100	J	ug/kg	100	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	70	J	ug/kg	70	J	1.0	Yes	S3VEM
Chrysene	Target	66	J	ug/kg	66	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	80	J	ug/kg	80	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	66	J	ug/kg	66	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Tridecanoic acid	TIC	95	J	ug/kg	95	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
[1,1-Binaphthalene]-2,2-diol	TIC	120	J	ug/kg	120	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7F0	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S08	pH:		Sample Date:	10/29/2015	Sample Time:	15:00:00
% Moisture :				% Solids :	71		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Chloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Bromomethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Chloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Acetone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Carbon disulfide	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromochloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Chloroform	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Benzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Toluene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
o-xylene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Styrene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Bromoform	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.7	U	ug/kg	6.7	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7F2	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S09	pH:	7.08	Sample Date:	10/29/2015	Sample Time:	14:25:00
% Moisture :				% Solids :	76		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	88	U	ug/kg	88	U	1.0	Yes	S3VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Phenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	630		ug/kg	630		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Phenanthrene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Anthracene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Carbazole	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Fluoranthene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Pyrene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Chrysene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Bromoacetic acid, octadecyl ester	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
n-Hexadecanoic acid	TIC	99	J	ug/kg	99	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number:	BC7F2	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S09	pH:		Sample Date:	10/29/2015	Sample Time:	14:25:00
% Moisture :				% Solids :	76		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Bromomethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Acetone	Target	11	U	ug/kg	15		1.0	Yes	S3VEM
Carbon disulfide	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chloroform	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Benzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Toluene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
o-xylene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Styrene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Bromoform	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number: SBLK64	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	Yes	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number: VBLK22	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number: VBLK23	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number: VBLK24	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC765	Lab Code: CHM

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

REFERENCE 19

[EXECUTIVE NARRATIVE

Case No. : 45717
Site: Wappinger Creek
Number of Samples: 9 soils, 1 water
Analysis: VOA, BNA

SDG No.: BC761
Laboratory: Chemtech
Sampling dates: 10/29 & 30/2015
Validation SOP:HW-33A (Rev 0), HW-35A (Rev 0)

QAPP:
Contractor: Weston Solutions
Reference: DCN: W0269_1E_00632

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
VOA: Sample BC7H2RE has analytes that have been qualified "J", "J+" or "J-".
BNA: Samples BC761 and BC7E6 have analytes that have been qualified "J", "J+" or "J-".

Minor Findings:
None.

COMMENTS:	The site specific QAPP did not specify the project action levels for this site.

Reviewer Name(s): Steffanie Tobin

Approver's Signature: **Date: 11/17/15**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Revision 0) July 2015, USEPA Region II for the evaluation of Volatile organic data generated through Statement of Work SOM02.2 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Revision 0) qualifications were applied as per Table 7 SOP HW-33A (Revision 0) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detected compounds are not qualified.

Chloroethane-d_5 BC7H2
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon Disulfide

1,1-Dichloroethene-d_2 BC7H2RE
1,1-Dichloroethene, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene

Benzene-d_6 BC7H2, BC7H2RE
Benzene

1,2-Dichloropropane-d_6 BC7H2, BC7H2RE
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane

Toluene-d_8 BC7H2, BC7H2RE

Trichloroethene, Toluene, Tetrachloroethene, Ethylbenzene, o-Xylene, m,p-Xylene, Styrene, Isopropylbenzene

2-Hexanone-d_5 BC7H2
4-Methyl-2-pentanone, 2-Hexanone

1,1,2,2-Tetrachloroethane-d_2 BC7H2
1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

1,2-Dichlorobenzene-d_4 BC7H2, BC7H2RE
Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 0).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: (BC761)

No qualification required due to rinsate blank contamination.

C) Trip blank contamination for VOA aqueous samples:

Not applicable.

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 33A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration and CCVs in which a DMC did not meet relative response factor (RRF) criteria. Detects and non-detects are not qualified.

trans-1,3-Dichloropropene-d_4
BC761, BC770, BC774, BC7E5, BC7E6, BC7F3, BC7H1, BC7H2, BC7H2RE, BC7H3, VBLK09, VBLK10, VBLK24, VBLK26, VHBLK01, VHBLK02

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 33A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 33A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects

are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Bromoform
BC770, BC774, BC7E5, BC7E6, BC7F3, BC7H1, BC7H2, BC7H2RE, BC7H3, VBLK24, VBLK26, VHBLK02

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 33A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 33A (Rev 0). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 33A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

The following samples have internal standard area response less than expanded minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as unusable R.

Chlorobenzene-d_5 BC7H2
1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, o-Xylenes, m,p-Xylene, Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d_4 BC7H2
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

1,4-Difluorobenzene BC7H2

Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2,-trifluoroethane, Acetone, Carbon Disulfide, Methyl Acetate, Methylene Chloride, trans-1,2-Dichloroethene, Methyl tert-Butyl Ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2-Butanone, Bromochloromethane, Chloroform, 1,2-Dichloroethane

Chlorobenzene-d_5 BC7H2RE
1,1,1-Trichloroethane, Cyclohexane, Carbon Tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, o-Xylenes, m,p-Xylene, Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d_4 BC7H2RE
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

8. FIELD DUPLICATES: BC774/BC7H1 and BC7F3/BC7H3

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

The results from BC7H2RE were reported in the EDD but was labeled as BC7H2. However, EDD does not allow the reviewer to change the sample ID, so EDD does not have the proper sample ID for the re-analysis BC7H2RE.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: BNA

The current SOP HW-35A (Revision 0) July 2015, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1**,4-Dioxane-d_8** BC761, BC7E6
1,4-Dioxane

4-Methylphenol-d_8 BC7E6
2-Methylphenol, 3-Methylphenol, 4-Methylphenol, 2,4-Dimethylphenol

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 0).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: (BC761)

No qualification required due to rinsate blank contamination.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Butylbenzylphthalate BC761, SBLK65

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 0). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

In-correct retention times were entered for Perylene-d_{12} in the associated standards on Form 8B-OR. Retention time for Perylene-d12 from the raw data were used to evaluate the samples. All IS retention time were within the QC limits.

8. FIELD DUPLICATES: BC774/BC7H1 and BC7F3/BC7H3

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

0269-RIN01

Case No:	45717	Contract:	EPW14030	SDG No:	BC761	Lab Code:	CHM

Sample Number:	BC761	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	6	Sample Date:	10/29/2015	Sample Time:	12:40:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	1.4	J	ug/L	1.4	J	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vanillin	TIC	2.1	J	ug/L	2.1	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Decanoic anhydride	TIC	4.1	J	ug/L	4.1	J	1.0	Yes	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	2.0	J	ug/L	2.0	J	1.0	Yes	NV
Octadecanoic acid	TIC	5.8	J	ug/L	5.8	J	1.0	Yes	NV
unknown-01	TIC	37	J	ug/L	37	J	1.0	Yes	NV
unknown-02	TIC	8.9	J	ug/L	8.9	J	1.0	Yes	NV
n-Hexadecanoic acid	TIC	4.6	J	ug/L	4.6	J	1.0	Yes	NV
Phenol, 2-methoxy-	TIC	2.2	J	ug/L	2.2	J	1.0	Yes	NV
Myristin, 2,3-diaceto-1-	TIC	4.8	J	ug/L	4.8	J	1.0	Yes	NV
Myristin, 1,3-diaceto-2-	TIC	11	J	ug/L	11	J	1.0	Yes	NV
unknown-04	TIC	18	J	ug/L	18	J	1.0	Yes	NV
Octanethioic acid, S-hexyl ester	TIC	18	J	ug/L	18	J	1.0	Yes	NV
unknown-03	TIC	3.7	J	ug/L	3.7	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC761	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	1.3	Sample Date:	10/29/2015	Sample Time:	12:40:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	8.6	J	ug/L	8.6	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	8.6		ug/L	8.6		1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC770	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	08:50:00
% Moisture :				% Solids :	88.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Chloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Bromomethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Chloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Acetone	Target	29		ug/kg	29		1.0	Yes	S3VEM
Carbon disulfide	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	19		ug/kg	19		1.0	Yes	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Chloroform	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Benzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Trichloroethene	Target	49		ug/kg	49		1.0	Yes	S3VEM
Methylcyclohexane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Toluene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	17		ug/kg	17		1.0	Yes	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
o-xylene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Styrene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Bromoform	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.3	U	ug/kg	5.3	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC770	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:	8.43	Sample Date:	10/30/2015	Sample Time:	08:50:00
% Moisture :				% Solids :	88.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	Yes	S3VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Naphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	350		ug/kg	350		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Acenaphthene	Target	41	J	ug/kg	41	J	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluorene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Phenanthrene	Target	580		ug/kg	580		1.0	Yes	S3VEM
Anthracene	Target	110	J	ug/kg	110	J	1.0	Yes	S3VEM
Carbazole	Target	52	J	ug/kg	52	J	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluoranthene	Target	970		ug/kg	970		1.0	Yes	S3VEM
Pyrene	Target	860		ug/kg	860		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	510		ug/kg	510		1.0	Yes	S3VEM
Chrysene	Target	500		ug/kg	500		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	630		ug/kg	630		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200		ug/kg	200		1.0	Yes	S3VEM
Benzo(a)pyrene	Target	440		ug/kg	440		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	280		ug/kg	280		1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	90	J	ug/kg	90	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	320		ug/kg	320		1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Anthracene, 1,4-dimethyl-	TIC	120	J	ug/kg	120	J	1.0	Yes	NV
9,10-Anthracenedione	TIC	76	J	ug/kg	76	J	1.0	Yes	NV
1,2,4,8-Tetramethylbicyclo[6.3.0]u	TIC	78	J	ug/kg	78	J	1.0	Yes	NV
unknown-01	TIC	260	J	ug/kg	260	J	1.0	Yes	NV
1-Octen-4-ol	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
1H-Cyclopropa[l]phenanthrene,1a,	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Phenanthrene, 1-methyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	2400	J	ug/kg	2400	J	1.0	Yes	NV
Cyclopenta(def)phenanthrenone	TIC	100	J	ug/kg	100	J	1.0	Yes	NV
2-Butenoic acid, 4-nitrophenyl est	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
1-Pyrene-carboxaldehyde	TIC	80	J	ug/kg	80	J	1.0	Yes	NV
11H-Benzo[a]fluoren-11-one	TIC	76	J	ug/kg	76	J	1.0	Yes	NV
5-Bromo-2-thiophenecarboxaldehyde	TIC	180	J	ug/kg	180	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC774	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	86.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Chloromethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Bromomethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Chloroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Acetone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Carbon disulfide	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromochloromethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Chloroform	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Cyclohexane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Benzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Toluene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
o-xylene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Styrene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Bromoform	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.2	U	ug/kg	7.2	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No:	45717	Contract:	EPW14030	SDG No:	BC761	Lab Code:	CHM

Sample Number:	BC774	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:	8.40	Sample Date:	10/30/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	86.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	77	U	ug/kg	77	U	1.0	Yes	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	91	J	ug/kg	91	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	570		ug/kg	570		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	47	J	ug/kg	47	J	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
unknown-01	TIC	600	J	ug/kg	600	J	1.0	Yes	NV
Sulfur	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
unknown-02	TIC	100	J	ug/kg	100	J	1.0	Yes	NV
2,5-Norbornadiene	TIC	6700	J	ug/kg	6700	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7E5	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	08:55:00
% Moisture :				% Solids :	70.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Acetone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Carbon disulfide	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methyl Acetate	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methylene chloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
2-Butanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Cyclohexane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Benzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.6	J	ug/kg	6.6	J	1.0	Yes	S3VEM
Methylcyclohexane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Toluene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
2-Hexanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Ethylbenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
o-xylene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
m,p-Xylene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromoform	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7E5	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:	7.03	Sample Date:	10/30/2015	Sample Time:	08:55:00
% Moisture :				% Solids :	70.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	95	U	ug/kg	95	U	1.0	Yes	S3VEM
Benzaldehyde	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Phenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Methylphenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Acetophenone	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
4-Methylphenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Naphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Caprolactam	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	870		ug/kg	870		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Fluorene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Atrazine	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Phenanthrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Carbazole	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Chrysene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	80	J	ug/kg	80	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	470	U	ug/kg	470	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	640	J	ug/kg	640	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7E6	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	09:00:00
% Moisture :				% Solids :	82.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	33		ug/kg	33		1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	21		ug/kg	21		1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	11		ug/kg	11		1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7E6	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:	8.05	Sample Date:	10/30/2015	Sample Time:	09:00:00
% Moisture :				% Solids :	82.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	UJ	ug/kg	81	U	1.0	Yes	S3VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Methylphenol	Target	400	UJ	ug/kg	400	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Methylphenol	Target	400	UJ	ug/kg	400	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	210	UJ	ug/kg	210	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Naphthalene	Target	76	J	ug/kg	76	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	330		ug/kg	330		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Fluorene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Anthracene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Fluoranthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Pyrene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Chrysene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	2800	J	ug/kg	2800	J	1.0	Yes	NV
Total Alkanes	TIC	290		ug/kg	290		1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7F3	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:	8.11	Sample Date:	10/30/2015	Sample Time:	10:20:00
% Moisture :				% Solids :	89.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	74	U	ug/kg	74	U	1.0	Yes	S3VEM
Benzaldehyde	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Phenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Acetophenone	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Naphthalene	Target	900		ug/kg	900		1.0	Yes	S3VEM
4-Chloroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Caprolactam	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	750		ug/kg	750		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Acenaphthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluorene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Atrazine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Phenanthrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Carbazole	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Chrysene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
unknown-02	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	560	J	ug/kg	560	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	86	J	ug/kg	86	J	1.0	Yes	NV
unknown-01	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
Dodecanoic acid	TIC	220	J	ug/kg	220	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7F3	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:20:00
% Moisture :				% Solids :	89.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromomethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chloroform	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Benzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
o-xylene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Styrene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Bromoform	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.2	U	ug/kg	5.2	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7H1	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:	8.44	Sample Date:	10/30/2015	Sample Time:	10:15:00
% Moisture :				% Solids :	87.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	76	U	ug/kg	76	U	1.0	Yes	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Naphthalene	Target	57	J	ug/kg	57	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	660		ug/kg	660		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acenaphthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluorene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenanthrene	Target	49	J	ug/kg	49	J	1.0	Yes	S3VEM
Anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluoranthene	Target	50	J	ug/kg	50	J	1.0	Yes	S3VEM
Pyrene	Target	41	J	ug/kg	41	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Chrysene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	500	J	ug/kg	500	J	1.0	Yes	NV
Tridecanoic acid	TIC	120	J	ug/kg	120	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7H1	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:15:00
% Moisture :				% Solids :	87.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	9.9	U	ug/kg	9.9	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	9.9	U	ug/kg	9.9	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	9.9	U	ug/kg	9.9	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	9.9	U	ug/kg	9.9	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7H2	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:	8.72	Sample Date:	10/30/2015	Sample Time:	10:00:00
% Moisture :				% Solids :	86.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	77	U	ug/kg	77	U	1.0	Yes	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	420		ug/kg	420		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenanthrene	Target	53	J	ug/kg	53	J	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	40	J	ug/kg	40	J	1.0	Yes	S3VEM
Pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Chrysene	Target	57	J	ug/kg	57	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene, 1,4,6-trimethyl-	TIC	100	J	ug/kg	100	J	1.0	Yes	NV
1H-Indene, 1-phenyl-	TIC	87	J	ug/kg	87	J	1.0	Yes	NV
Anthracene, 9-methyl-	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
Benzene, 1,1-(2-cyclopropen-1-yli	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
unknown-01	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
Naphthalene, 2-phenyl-	TIC	80	J	ug/kg	80	J	1.0	Yes	NV
1H-Cyclopenta[l]phenanthrene, 2,3-	TIC	85	J	ug/kg	85	J	1.0	Yes	NV
Phenanthrene, 3,6-dimethyl-	TIC	91	J	ug/kg	91	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	470	J	ug/kg	470	J	1.0	Yes	NV
Myristin, 2,3-diaceto-1-	TIC	91	J	ug/kg	91	J	1.0	Yes	NV
Phenanthrene, 2,5-dimethyl-	TIC	210	J	ug/kg	210	J	1.0	Yes	NV
Total Alkanes	TIC	250		ug/kg	250		1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7H2	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:00:00
% Moisture :				% Solids :	86.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Chloromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Bromomethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Chloroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Acetone	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
Carbon disulfide	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
2-Butanone	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
Bromochloromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Chloroform	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Benzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
Toluene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
2-Hexanone	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
o-xylene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Styrene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
Bromoform	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7H3	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:25:00
% Moisture :				% Solids :	87		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Bromomethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Acetone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chloroform	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Benzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Toluene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
o-xylene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Styrene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Bromoform	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number:	BC7H3	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:	7.86	Sample Date:	10/30/2015	Sample Time:	10:25:00
% Moisture :				% Solids :	87		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	77	U	ug/kg	77	U	1.0	Yes	S3VEM
Benzaldehyde	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acetophenone	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachloroethane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Nitrobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Isophorone	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Naphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Caprolactam	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	520		ug/kg	520		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Acenaphthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Dibenzofuran	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Diethylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluorene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Atrazine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Phenanthrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Carbazole	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Chrysene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	380	U	ug/kg	380	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	190	U	ug/kg	190	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
2,6-Dithio-theophylline	TIC	88	J	ug/kg	88	J	1.0	Yes	NV
unknown-01	TIC	95	J	ug/kg	95	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	620	J	ug/kg	620	J	1.0	Yes	NV
n-Hexadecanoic acid	TIC	120	J	ug/kg	120	J	1.0	Yes	NV
Hexadecanoic acid, 2,3-bis(acetylo	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
Dodecanoic acid	TIC	110	J	ug/kg	110	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: SBLK16	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	Yes	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: SBLK65	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: VBLK09	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: VBLK10	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: VBLK24	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: VBLK26	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.6	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC761	Lab Code: CHM

Sample Number: VHBLK02	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

REFERENCE 20

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The Not-So-Mad Hatter: Occupational Hazards of Mercury

The character of the Hatter features prominently in Lewis Carroll's *Alice's Adventures in Wonderland*, published in 1865 and reprised by Tim Burton's 2010 movie, *Alice in Wonderland*. The phrase "mad as a hatter" was in use 30 years prior to the publication of Carroll's novel, and is associated with industrial felt hat workers in 19th-century England. Mercurial disease was common among hatters and included such symptoms as tremors, irritability, and mental instability. A document published in 1860 focuses on mercurial disease among hatters and the occupational hazards of mercury.[1]

To make felt, hatters separated fur from the skin of small animals in a process called carroting. In this process, the secondary nitrous gas released from mercury (II) nitrate (**CAS Registry Number® (RN):** 10045-94-0) caused the fur to turn orange, lose shape, and shrink. The fur also then became darker, coiled, and more easily removed.[2] Prior to the use of mercury to remove fur, hatters used camel urine, which is mostly water but also contains nitrogen waste in the form of urea. When applied to fur, urea disrupts chemical bonds and causes protein denaturation.[3] During the expansion of hat-making into 19th-century France and England, hatters frequently replaced camel urine with their own. Subsequently, it was noticed that an individual workman treated with mercury (I) chloride (**CAS RN:** 10112-91-1) for syphilis consistently produced superior felt.[4] As a result, mercury nitrate came into wide use to obtain the same effects as the workman's mercury-contaminated urine.

Elemental mercury occurs naturally and is present in the earth's crust. Commonly referred to as quicksilver, mercury is liquid metal at room temperature. Exposure to mercury affects the skin, kidney, eye, and nervous system, and the respiratory system if inhaled. Telltale signs of mercury poisoning also included those often seen in hatters: emotional instability, cognitive and memory loss, shyness, speech problems, and ataxia. The antidote for mercury poisoning is chelation therapy.[5] In this therapy, an organic compound (chelator) binds with mercury to form a heavy-metal chelate, which is subsequently excreted.[6] The United States Public Health Service banned use of mercury in the felt industry in 1941, not so much for health risks but because mercury fulminate was needed for World War II detonators.[1]

Alternatives to mercury use in hat-making were documented as early as 1874.[7] U.S. Patent 390,348 addressed the occupational hazards of mercury use and proposed a hydrochloride-based alternative.[8] By 1902, various metal nitrate and sulfate derivatives were compiled in a report on the progress of felt hat making.[1] This report included a search of the "Patents Records for registered solutions," and provides an early glimpse into the world of patent searchers.

Use SciFinder® and STN® to explore additional information about mercury and chemical poisoning in the CAS databases.

Contributed by
Kathryn J. Kitzmiller, Ph.D.

References

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<< Prev Back to Science Connections Home Next >>

REFERENCE 21

Outdoor Activities
Animals, Plants, Aquatic Life
Chemical and Pollution Control
Environmental Cleanup & Brownfields
DEC Brownfield and State Superfund Programs
Manufactured Gas Plants
General Information About MGPs
Energy and Climate
Lands and Waters
Education
Permit, License, Registration
Public Involvement and News
Regulations and Enforcement
Publications, Forms, Maps
About DEC

General Information About MGPs

What's an MGP?

MGP is an abbreviation for Manufactured Gas Plant. A manufactured gas plant was an industrial facility at which gas was produced from coal, oil and other feedstocks. The gas was stored, and then piped to the surrounding area, where it was used for lighting, cooking, and heating homes and businesses. The first MGPs in New York were constructed in the early 1800s, prior to the Civil War. Most were closed during the early-to-middle 1900s, and the last one ceased operations in 1972.

Gas from MGPs was used for all the same purposes that natural gas is used for today. In addition, in the late 1800s, gas was used for lighting prior to the introduction of electricity.

When and Where Did MGPs Operate?

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This Page Covers

For a period of over 100 years, manufactured gas plants (MGPs) were an important part of life in cities and towns throughout New York State and the United States as a whole. They had their beginnings in the early 1800s, providing small amounts of gas for street lighting systems. By 1900, production had greatly increased, and gas was being widely used for heating and cooking. Most towns in New York with populations of over 5000 had at least one gas plant, and larger towns often had more than one. New York City had several dozen.

Small-town facilities began to close in the 1920s and 1930s as the industry consolidated production at larger facilities and connected smaller systems together with new pipeline networks. As World War II approached, interstate pipelines were built, making natural gas from the Midwest more widely available, and cheaper than manufactured gas. Most New York State MGPs closed by 1950, but a few remained in operation in remote areas, or on standby status in areas where the interstate pipelines could not meet peak demand. The last MGP in New York State ceased operations in 1972.

How Was the Gas Produced?

Two main processes were used to produce the gas. The older and simpler process was coal carbonization. In this process, coal was heated in closed retorts or beehive ovens. Inside these

ovens, the coal was kept from burning by limiting its contact with outside air. Volatile constituents of the coal would be driven off as a gas, which was collected, cooled, and purified prior to being piped into the surrounding areas for use. The solid portion of the coal would become a black, granular material called coke. Coke was a valuable fuel for many industrial uses and for home heating, because it burned hotter and more cleanly than ordinary coal. Sometimes, the coke was the primary product, and the gas was a by-product, and the facility was called a coke plant.

As the gas manufacturing industry developed and expanded after the Civil War, a new process was introduced which produced a gas mixture that burned hotter and brighter. This process, carburetted water gas (CWG), was first introduced in the 1870s. By 1900, most MGPs in New York State were using this process. However, some MGPs in the state never made the conversion and continued as coal carbonization facilities for their entire lives.

A variety of water gas processes were developed, all of which involved a first step in which coke or coal was heated in a closed vessel or retort into which steam was injected. A chemical reaction took place which produced a flammable gas mixture of methane and carbon monoxide. Petroleum products were then sprayed into the hot gas mixture, creating another chemical reaction in

which petroleum constituents were "cracked" to form methane, which increased the heating and lighting value of the gas.

Why are Former MGP Sites a Concern?

The production of manufactured gas created wastes, some of which may still remain at former MGP sites.

A dense, oily liquid known as coal tar would condense out of the gas at various stages during its production, purification and distribution. Although most of the tar was collected for sale or reuse, recovery was incomplete. Most plants had tar/water separators, which sometimes could not fully separate the two liquids. The resulting tar/water emulsion was often discharged to a nearby surface water body. Over the decades during which many of these MGPs operated, substantial amounts of tar also leaked from storage and processing facilities and contaminated surface soils, subsurface soils, and groundwater.

Today, at a number of former MGP sites, tar or tar/water emulsions continue to migrate slowly in the subsurface and may enter into sewers, basements, or nearby surface water bodies. Under some conditions, tar will temporarily float on the top of surface water bodies, creating oily sheens on the water surface. However, in most cases, the tar will sink to the bottom, leading to contamination of sediments. Whether

present due to historic disposal or continuing migration, coal tar may impact water quality and the organisms which live or feed in the sediment.

Another byproduct, purifier waste, was made up of either lime or wood chips treated with iron oxides, and was used to remove cyanide and sulfur from the manufactured gas. Once it had become saturated with impurities, purifier waste was often discarded or used as a fill material. This waste often contains complexed cyanide compounds which can contaminate groundwater. Purifier waste also generates a strong, objectionable odor when it is exposed on the ground surface. For more information on these MGP wastes, see the section on MGP Wastes.

How Many MGP Sites Are in New York?

Our best estimate is that there were roughly 300 sites where manufactured gas was produced either for distribution to the public or other uses. Of these, remedial programs are either under way or scheduled to start at 194. NYSDEC is currently working to identify how many other sites may exist in New York, and where they are located. At this stage, however, it appears that the utility-operated sites currently identified represent the most significant MGPs, by virtue of their larger size.

What are the Current Uses of MGP sites?

Former MGP sites have found a variety of uses in the years since they ceased operations. Many are still owned by the utility companies and are used as electric substations, storage yards, truck garages, office buildings and major generating stations. Many also still contain gas regulating facilities, due to their access to the gas distribution system. Other uses range from abandoned industrial property, to commercial/retail uses, to schools and residences.

What are the Potential Problems Associated with MGP sites?

These sites often contain abandoned underground structures and pipes containing coal tar or other MGP residuals. Some of these waste materials (especially coal tars) may have migrated from existing/former structures and may be present in the subsurface. Impacts to surface water bodies and their sediments are also common since MGPs were typically located near a source of water.

It is not common to find MGP wastes exposed on the ground surface. Most of these plants have been closed for at least 50 years, and in some cases over 100 years. In many cases, subsequent redevelopment of the MGP sites has removed or covered wastes that were exposed at the surface. However, exposed wastes are sometimes found, and on some sites coal tars may migrate

upwards to the ground surface from below.

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REFERENCE 22

ATSDR Agency for Toxic Substances & Disease Registry

Polycyclic Aromatic Hydrocarbons (PAHs)

CAS ID #: 83-32-9, 120-12-7

Affected Organ Systems: Dermal (Skin), Hepatic (Liver), Immunological (Immune System)

Cancer Classification: NTP: Reasonably Anticipated to be a Human Carcinogen

Chemical Classification: Hydrocarbons (contain hydrogen and carbon atoms)

Summary: Polycyclic aromatic hydrocarbons (PAHs) are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Some PAHs are manufactured. These pure PAHs usually exist as colorless, white, or pale yellow-green solids. PAHs are found in coal tar, crude oil, creosote, and roofing tar, but a few are used in medicines or to make dyes, plastics, and pesticides.

Community Members

ToxFAQs
Fact sheet that answers the most frequently asked questions about a contaminant and its health effects.

Public Health Statement
Summary about a hazardous substance taken from Chapter One of its respective ATSDR Toxicological Profile.

National Report on Human Exposure to Environmental Chemicals
Provides an ongoing assessment of the exposure of the U.S. population to environmental chemicals using biomonitoring.

Toxicological and Health Professionals

Toxicological Profile
Succinctly characterizes the toxicologic and adverse health effects information for a hazardous substance.

Priority List of Hazardous Substances
Prioritization of substances based on a combination of their frequency, toxicity, and potential for human exposure at National Priorities List (NPL) sites.

Medical Education and Training

Case Study in Environmental Medicine (CSEM)

Self-instructional publication designed to increase primary care provider's knowledge of a hazardous substance in the environment and to aid in the evaluation of potentially exposed patients.

- Page last reviewed: March 3, 2011
- Page last updated: March 3, 2011
- Content source: Agency for Toxic Substances and Disease Registry

Agency for Toxic Substances and Disease Registry, 4770 Buford Hwy NE,
Atlanta, GA 30341
Contact CDC: 800-232-4636 / TTY: 888-232-6348

REFERENCE 23

Menu

United States Environmental Protection Agency

Related Topics: **Mercury in Your Environment**

Basic Information about Mercury

On this page:

- What is mercury?
- Emissions of mercury into the air
- Common exposures to mercury
- Health effects associated with exposures to mercury
- Ecological effects of mercury exposure
- Consumer products that traditionally contain mercury

What is Mercury?

Mercury is a naturally-occurring chemical element found in rock in the earth's crust, including in deposits of coal. On the periodic table, it has the symbol "Hg" and its atomic number is 80. It exists in several forms:

- methylmercury and other organic compounds,
- elemental (metallic) mercury, and
- inorganic mercury compounds.

Methylmercury and other organic mercury compounds are formed when mercury combines with carbon. Microscopic organisms convert mercury into methylmercury, which is the most common organic mercury compound found in the environment.

Elemental or metallic mercury is a shiny, silver-white metal and is liquid at room temperature. It is used in older thermometers, fluorescent light bulbs and some electrical switches. When dropped, elemental mercury breaks into smaller droplets which can go through small cracks or become strongly attached to certain materials. At room temperature, exposed elemental mercury can evaporate to become an invisible, odorless toxic vapor. If heated, it is a colorless, odorless gas.

Elemental mercury is an element that has not reacted with another substance. When mercury reacts with another substance, it forms a compound.

Inorganic mercury compounds take the form of mercury salts and are generally white powder or crystals, with the exception of mercuric sulfide (cinnabar) which is red. Most uses of inorganic compounds have been discontinued.

Emissions of Mercury into the Air

Mercury becomes a problem for the environment when it it is released from rock and ends up in the atmosphere and in water. These releases can happen naturally. Both volcanoes and forest fires send mercury into the atmosphere.

Human activities, however, are responsible for much of the mercury that is released into the environment. The burning of coal, oil and wood as fuel can cause mercury to become airborne, as can burning wastes that contain mercury.

This airborne mercury can fall to the ground in raindrops, in dust, or simply due to gravity (known as "air deposition"). The amount of mercury deposited in a given area depends on how much mercury is released from local, regional, national, and international sources.

Emissions from Power Plants

Since mercury occurs naturally in coal and other fossil fuels, when people burn these fuels for energy, the mercury becomes airborne and goes into the atmosphere. In the United States, power plants that burn coal to create electricity account for about half of all manmade mercury emissions (*Source: 2011 National Emissions Inventory, version 2, Technical Support Document (August 2015) (PDF))* (287 pp, 12 MB, About PDF; discussion starts on page 32).

- Learn more about mercury from power plants

Other Causes of Mercury Air Emissions

- Burning oil that contains mercury
- Burning wood that contains mercury
- Burning mercury-containing wastes, including
  - wastes from the manufacture of Portland cement
  - consumer products that contain mercury, like electronic devices, batteries, light bulbs and thermometers, that are thrown into garbage that is incinerated
- Using certain technologies to produce chlorine
- Breaking products that contain mercury
- Burning iron ore, coke and limestone in electric arc furnaces used to produce steel
- Using coal-fired boilers in many industries to generate forms of thermal heat like steam

The burning of municipal and medical waste was once a major source of mercury emissions. A reduction in the use of mercury along with state and federal regulations, however, has led to a decrease in emissions from this source by over 95%.

Trends in Air Emissions

Every year, industrial and commercial facilities are required to report their releases of chemicals through EPA's Toxics Release Inventory (TRI) Program. You can view a chart showing the annual amount of mercury emissions into the air from facilities throughout the United States from 2003 to the present.

Mercury Emissions around the Globe

What happens to mercury after it is emitted depends on several factors:

- the form of mercury emitted,
- the location of the emission source,
- how high above the landscape the mercury is released (for example, the height of a power-plant stack),
- the surrounding terrain, and
- the weather.

Depending on these factors, mercury in the atmosphere can be transported over a range of distances -- anywhere from a few feet from its source, to halfway around the globe -- before it is deposited in soil or water. Mercury that remains in the air for prolonged periods of time and travels across continents is said to be in the "global cycle."

One major source of mercury emissions outside of the U.S. is small-scale gold mining that occurs in many countries.

Additional Resources

- EPA's Report on the Environment – Mercury Emissions
- Mercury Study Report to Congress, Volume II: An Inventory of Anthropogenic [Human-Caused] Mercury Emissions in the United States
- Mercury Emissions: The Global Context
- Global Mercury Assessment 2013 (PDF) (44 pp, 1.2 MB, About PDF)
    - Technical Background Report for the Assessment Exit
- Report: Children's Exposure to Elemental Mercury (Agency for Toxic Substances & Disease Registry) (2009)

Common Exposures to Mercury

The main way that people are exposed to mercury is by eating fish and shellfish that have high levels of methylmercury, a highly toxic form of mercury, in their tissues. A less common way people are exposed to mercury is breathing mercury vapor. This can happen when mercury is released from a container, or from a product or device that breaks. If the mercury is not immediately contained or cleaned up, it can evaporate, becoming an invisible, odorless, toxic vapor.

Learn more:

- How people are commonly exposed to mercury
- How to choose fish and shellfish wisely

Health Effects Associated with Exposures to Mercury

- Mercury exposure at high levels can harm the brain, heart, kidneys, lungs, and immune system of people of all ages.
- High levels of methylmercury in the bloodstream of babies developing in the womb and young children may harm their developing nervous systems, affecting their ability to think and learn.

Learn more about health effects that can result from exposures to mercury.

Ecological Effects of Mercury Exposure

Birds and mammals that eat fish are have more exposures to methylmercury than other animals in water ecosystems. Predators that eat these birds and mammals are also at risk. Methylmercury has been found in eagles, otters, and endangered Florida panthers. At high levels of exposure, methylmercury's harmful effects on these animals include:

- death,
- reduced reproduction,
- slower growth and development, and
- abnormal behavior.

Additional Resources

- National Park Service (NPS): Effects of Air Toxics/Mercury on Ecosystems
- U.S. Geological Survey (USGS): Mercury in the Environment
- Volume VI, Ecological Assessment, and Volume VII, Characterization of Human Health and Wildlife Risks, of the 1997 Mercury Study Report to Congress.

Consumer Products that Traditionally Contain Mercury

- Some batteries
- Fluorescent light bulbs, including compact fluorescents (CFLs)
- Many types of thermometers
- Thermostats
- Amalgam in dental fillings
- Thimerosal in vaccines
- Automotive switches

Learn more about consumer products that contain mercury.

Last updated on October 19, 2015

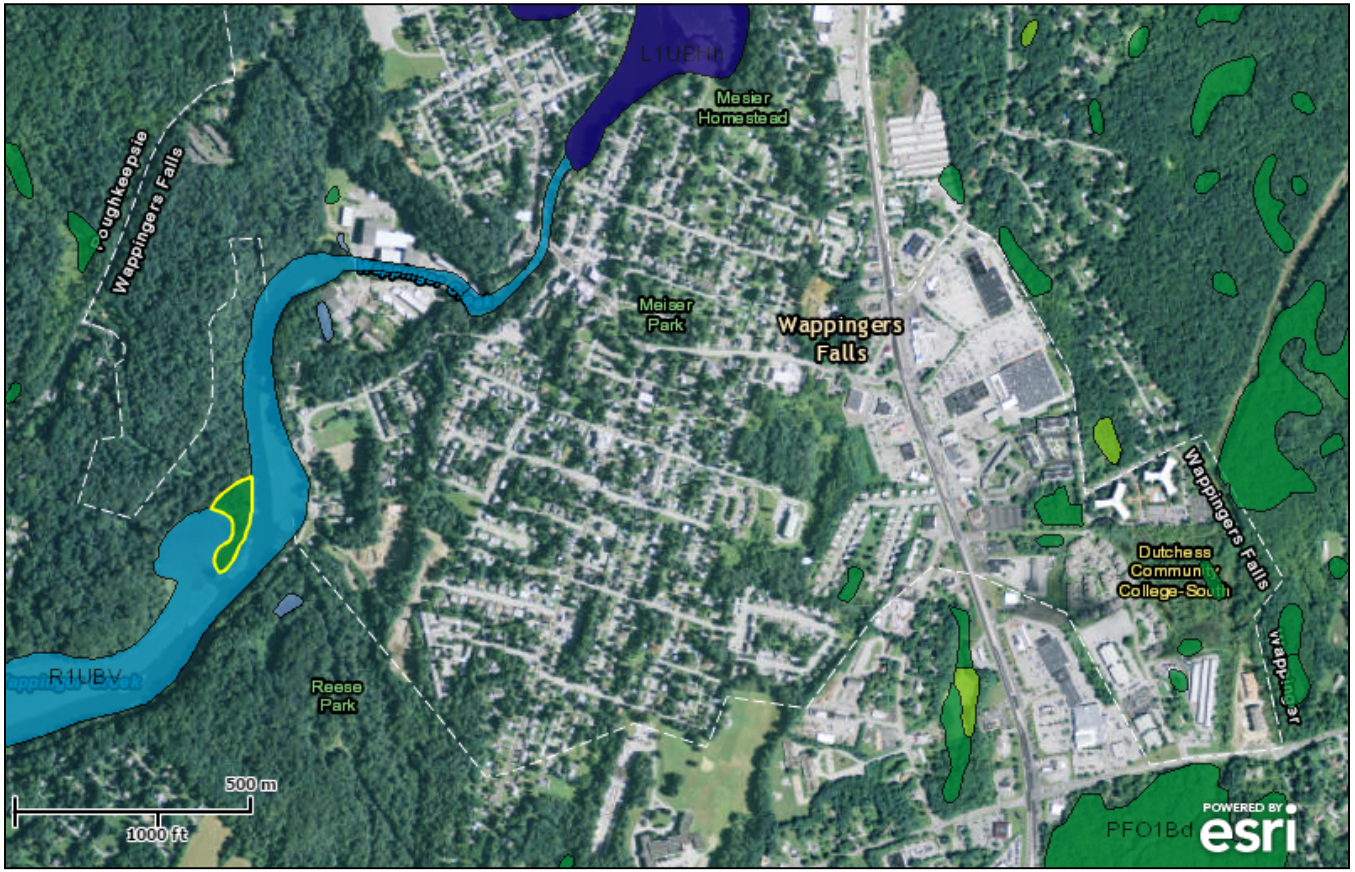
REFERENCE 24

U.S. Fish and Wildlife Service

National Wetlands Inventory

Wappinger Creek Embayment

Jan 22, 2016



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Classification Code: PFO1SFreshwater Forested/Shrub Wetland

REFERENCE 25

SAMPLING TRIP REPORT

SITE NAME: Wappinger Creek
DCN: W0269.1A.00811
W.O.: 20408.012.004.0269.00
CLP Case No.: 45717

EPA ID NO.: NYN000201758

SAMPLING DATES: October 29–30, 2015, and November 10–13 and 16, 2015

1. Site Location: Refer to Figure 1

2. Sample Locations: Refer to Figures 2 – 4

3. Sample Descriptions: Refer to Table 1

4. Laboratory Receiving Samples:

Analyses	Name and Address of Laboratory
Organic Target Analyte List (TAL) Volatile Organic Compounds (VOC) and Semivolatile Organic Compounds (SVOC)	Chemtech Consulting Group (Chemtech) 284 Sheffield Street Mountainside, NJ 07092
Inorganic TAL (including mercury)	Shealy Environmental Services (Shealy) 106 Vantage Point Drive West Columbia, SC 29172
Methyl Mercury	TestAmerica - North Canton 4101 Shuffel Street NW North Canton, OH 44720
Dioxins/Furans and Grain Size Distribution	Eurofins Lancaster Laboratories Environmental, LLC (Eurofins Lancaster) 2425 New Holland Pike Lancaster, PA 17601
Total Organic Carbon (TOC)	TestAmerica - Burlington 30 Community Drive, Suite 11 South Burlington, Vermont 05403

5. Sample Dispatch Data:

- Twenty soil samples and one rinsate blank sample collected on 10/29/15 and designated for Organic TAL VOC and SVOC (low to medium concentration) analyses, were shipped to Chemtech on 10/29/15 at 18:00 hours via FedEx Airbill No. 8750 6337 1315.

- Eight soil samples collected on 10/30/15 and designated for Organic TAL VOC and SVOC (low to medium concentration) analyses, were shipped to Chemtech on 10/30/15 at 15:00 hours via FedEx Airbill No. 8715 6304 5741.

- Twenty soil samples and one rinsate blank sample collected on 10/29/15 and eight soil samples collected on 10/30/15, and designated for TAL Inorganics (including mercury) analysis, were shipped to Shealy on 10/30/15 at 15:00 hours via FedEx Airbill No. 8750 6337 1337.

- Ten aqueous samples (including one trip blank for TAL VOC analysis only) collected on 11/10/15 and designated for Organic TAL VOC and SVOC analyses, were shipped to Chemtech on 11/10/15 at 16:30 hours via FedEx Airbill No. 8044 6775 2185.

- Sixteen sediment samples collected on 11/11/15 and designated for Organic TAL VOC and SVOC analyses, were shipped to Chemtech on 11/11/15 at 20:00 hours via FedEx Airbill No. 8088 5685 0184.

- Nine aqueous samples collected on 11/10/15 and 16 sediment samples collected on 11/11/15, and designated for TAL Inorganic (including mercury) analysis, were shipped to Shealy on 11/11/15 at 20:00 hours via FedEx Airbill No. 8088 5684 5233.

- Twenty-five sediment samples and one rinsate blank sample collected on 11/12/15 and designated for Organic TAL VOC and SVOC analyses, were shipped to Chemtech on 11/12/15 at 18:00 hours via FedEx Airbill No. 8044 6775 2082.

- Twenty-five sediment samples and one rinsate blank sample collected on 11/12/15 and designated for TAL Inorganic (including mercury) analysis, were shipped to Shealy on 11/12/15 at 18:00 hours via FedEx Airbill No. 8044 6775 2093.

- Six sediment samples and one rinsate blank sample collected on 11/12/15 and designated for Methyl Mercury analysis, were shipped to TestAmerica - North Canton on 11/12/15 at 18:00 hours via FedEx Airbill No. 8541 0029 4129.

- Fifteen sediment samples collected on 11/11/15 and four sediment samples collected on 11/12/15, designated for Grain Size Distribution and one rinsate blank sample collected on 11/12/15 and designated for Dioxins/Furans analysis, were shipped to Eurofins Lancaster on 11/12/15 at 18:00 hours via FedEx Airbill No. 8715 6304 5763.

- Six sediment samples and five aqueous samples (including one trip blank for VOC analysis only) collected on 11/13/15, and designated for Organic TAL VOC and SVOC analyses, were shipped to Chemtech on 11/13/15 at 15:30 hours via FedEx Airbill No. 8044 6775 1970.

- Six sediment samples and four aqueous samples collected on 11/13/15, and designated for TAL Inorganic (including mercury) analysis, were shipped to Shealy on 11/13/15 at 1530 hours via FedEx Airbill No. 8044 6775 2027.

- Fifteen sediment samples collected on 11/11/15, 24 sediment samples collected on 11/12/15, and five sediment samples collected on 11/13/15, and designated for TOC

analysis, were shipped to TestAmerica - Burlington on 11/13/15 at 15:30 hours via FedEx Airbill No. 8044 6775 2016.

- Four sediment samples collected on 11/12/15 and two sediment samples collected on 11/13/2015, and designated for Dioxins/Furans analysis as well as 21 sediment samples collected on 11/12/15 and five sediment samples collected on 11/13/15, and designated for Grain Size Distribution analysis, were shipped to Eurofins Lancaster on 11/13/15 at 15:30 hours via FedEx Airbill No. 8065 0572 6211.

- Nineteen sediment samples and one aqueous sample collected on 11/16/15 designated for Organic TAL VOC and SVOC analyses, were shipped to Chemtech on 11/16/15 at 1800 hours via FedEx Airbill No. 8088 5684 8449.

- Nineteen sediment samples and one rinsate blank sample collected on 11/16/15 and designated for TAL Inorganic (including mercury) analysis, were shipped to Shealy on 11/16/15 at 1800 hours via FedEx Airbill No. 8088 5684 8438.

- Eighteen sediment samples collected on 11/16/15 and designated for TOC analysis, were shipped to TestAmerica - Burlington on 11/16/15 at 1800 hours via FedEx Airbill No. 8088 5684 8460.

- Eighteen sediment samples collected on 11/16/15 designated for Grain Size Distribution analysis, were shipped to Eurofins Lancaster on 11/16/15 at 1800 hours via FedEx Airbill No. 8088 5684 8450.

6. Sampling Personnel:

Name	**Organization**	**Site Duties**
Scott Snyder	Weston Solutions, Inc. (WESTON®)	Site Manager, Site Health and Safety Coordinator (SHSC), Sample Management Officer (SMO), Global Positioning System (GPS) Data Collection
Denise Breen	WESTON	SMO, Sampler
Caroline Tuero	WESTON	Sampler
Denise Zeno	U.S. Environmental Protection Agency (EPA)	EPA Oversight (11/10/15 and 11/12/15)

6. Sampling Personnel (continued):

Name	Organization	Site Duties
Marty Bachner	Aquifer Drilling and Testing (ADT)	Geoprobe Operator (10/29/15–10/30/15)
Tyler Sarro	ADT	Assistant Driller (10/29/15–10/30/15)
Matt Shappell	Aqua Survey	Boat and Vibracore Operator (11/10/15–11/16/15)
Bob Fristrom	Aqua Survey	Assistant Boat and Vibracore Operator (11/10/15–11/16/15)

7. Additional Comments:

On October 29 through October 30, November 10 through 13, and November 16, 2015, WESTON Region 2 Site Assessment Team (SAT) personnel collected soil, surface water, and sediment samples at and in the vicinity of the Wappinger Creek site as part of the Hazard Ranking System (HRS) evaluation of the site. A Site Location Map is presented in Figure 1.

On October 29 through 30, 2015, Region 2 SAT personnel collected 28 (including two environmental duplicate samples) soil samples from ten boreholes advanced using Geoprobe® direct-push technology. Nine of the boreholes were advanced in previously uncharacterized portions of the industrial park associated with the Wappinger Creek site. One borehole was advanced south of the industrial park in a municipal park/playground to evaluate background conditions. Two of the soil samples for Inorganic TAL (including mercury) analysis were designated as matrix spike/matrix spike duplicates (MS/MSD) for quality assurance/quality control (QA/QC) purposes. One rinsate blank sample was collected to demonstrate adequate decontamination of non-dedicated direct-push sampling equipment.

Soil sample depths were chosen based on photoionization detector (PID) field screening results and visual and olfactory observations, with the deepest samples collected from the saturated zone if encountered. Soil descriptions and PID readings were recorded on soil boring logs. WESTON was unable to collect planned soil samples 0269-S08, 0269-SS08A, 0269-S09, and 0269-SS09A due to insufficient direct-push recovery.

Organic TAL VOC soil sample fractions were collected with dedicated En Core™ sampling devices from the bottom of each sampling interval. The entire sampling interval was then homogenized in dedicated, disposable aluminum trays with disposable polyethylene scoops prior to insertion into the sample containers for Organic TAL SVOC and Inorganic TAL (including mercury) analyses. A Soil Boring Location Map is presented in Figure 2.

On November 10 through 13 and November 16, 2015, Region 2 SAT personnel collected surface water and sediment samples from Wappinger Creek, Wappinger Lake, and Moodna Creek south of the site. Forty-seven (including three environmental duplicate samples) sediment samples and eight surface water samples were collected from the tidal portion of Wappinger Creek. Three of

the tidal creek sediment samples and one surface water sample for Inorganic TAL (including mercury) analysis were designated as MS/MSD samples for QA/QC purposes.

Thirteen (including one environmental duplicate sample) sediment samples and four (including one environmental duplicate sample) surface water samples were collected from Wappinger Lake and Wappinger Creek upstream of the site. One upstream sediment sample for Inorganic TAL (including mercury) analysis was designated as an MS/MSD sample for QA/QC purposes. Six sediment samples were collected from Moodna Creek approximately 10 miles south of the site to evaluate background conditions.

Surface water samples 0269-SW07 and 0269-SW08 were collected using a horizontal, self-closing water sampler. The remaining surface water samples for Organic TAL SVOCs and Inorganic TAL (including mercury) analyses were collected directly into sample jars; Organic TAL VOC fractions were transferred to sample jars using dedicated aluminum pans. Two trip blank samples (one per day of surface water sampling) were collected to demonstrate that no atmospheric contaminants were seeping into sample vials and that there was no cross-contamination between samples. One rinsate blank sample was collected to demonstrate adequate decontamination of the water sampler.

All sediment samples were obtained from a boat using Vibracore push-coring technology. The sediment samples were collected at 0–6, 6–12, and 12–24 inches below the sediment surface. Planned sediment sample 0269-SED14-12-24 could not be collected due to insufficient core recovery. Organic TAL VOC sediment sample fractions were collected with dedicated En Core™ sampling devices from the bottom of each sampling interval. The entire sampling interval was then homogenized in dedicated, disposable aluminum trays with disposable polyethylene scoops prior to insertion into the sample containers for Organic TAL SVOC and Inorganic TAL (including mercury) analyses. Two rinsate blank samples were collected to demonstrate adequate decontamination of non-dedicated sampling equipment associated with the Vibracore. Surface water sample and sediment coring locations in Wappinger Creek and Wappinger Lake are presented in Figure 3, and sediment coring locations in Moodna Creek are presented in Figure 4.

Six of the sediment samples (including one additional environmental field duplicate) were designed for analysis of methyl mercury (0269-SED07-12-24, 0269-SED07A-12-24, 0269-SED08-12-24, 0269-SED09-12-24, 0269-SED10-12-24, and 0269-SED11-12-24) and dioxins/furans (0269-SED07-12-24, 0269-SED07A-12-24, 0269-SED11-12-24, 0269-SED12-12-24, 0269-SED13-12-24, and 0269-SED14-6-12) by non-Contract Laboratory Program (CLP) laboratories. All of the sediment samples were analyzed for TOC and grain size distribution by non-CLP laboratories.

All samples were collected in support of the Wappinger Creek Site HRS project assigned under EPA Contract EP-S8-13-01 (Region 8 Superfund Technical Assessment and Response Team IV [START IV]). Descriptions of the samples collected by WESTON Region 2 SAT are presented in Table 1.

WESTON logged all soil sample locations electronically using GPS equipment and performed post-processing differential correction of the GPS data in accordance with the EPA Region 2 GPS Standard Operating Procedures. Aqua Survey logged all surface water and sediment

sample locations electronically using Differential Global Positioning System (DGPS) equipment, which performs real-time differential correction. The processed GPS data for the sample locations have been transferred to the sample location maps (Figures 2, 3, and 4) using Geographic Information Systems (GIS).

All soil, surface water, and sediment samples, as well as their respective QA/QC samples, were designated to be analyzed for Organic TAL VOCs and SVOCs, and Inorganic TAL parameters (including mercury) through the EPA CLP under Case No. 45717. All other analyses were performed by WESTON-subcontracted, non-CLP laboratories. The chain-of-custody (COC) records and Federal Express Airbills are presented in Attachment 1.

8. Report Prepared by: Denise Breen Date: 11/23/2015

9. Report Approved by: Gerald V. Gilliland, P.G. Date: 11/23/2015

TABLE 1
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
Soil Samples					
0269-S01	BC765	MBC765	10/29/15	09:45	Surface soil sample from a direct-push borehole within the industrial park for evaluation of background conditions. Depth: 4 to 5.5 feet. Matrix spike/matrix spike duplicate (MS/MSD) for Quality Assurance/Quality Control (QA/QC) purposes.
0269-SS01A	BC7D5	MBC7D5	10/29/15	09:40	Subsurface soil sample from a direct-push borehole within the industrial park for evaluation of background conditions. Depth: 9 to 10 feet.
0269-SS01B	BC7D6	MBC7D6	10/29/15	09:35	Subsurface soil sample from a direct-push borehole within the industrial park for evaluation of background conditions. Depth: 10 to 11 feet.
0269-S02	BC766	MBC766	10/29/15	10:40	Surface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 0 to 2 feet.
0269-SS02A	BC7D7	MBC7D7	10/29/15	10:50	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 5 to 7.5 feet.
0269-SS02B	BC7D8	MBC7D8	10/29/15	10:55	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 7.5 to 10 feet.
0269-S03	BC767	MBC767	10/29/15	11:35	Surface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 1 to 2 feet.
0269-SS03A	BC7D9	MBC7D9	10/29/15	11:30	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 7 to 10 feet.
0269-SS03B	BC7E0	MBC7E0	10/29/15	11:25	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 13 to 15 feet.
0269-S04	BC768	MBC768	10/29/15	12:35	Surface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 1 to 2 feet.
0269-SS04A	BC7E1	MBC7E1	10/29/15	12:30	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 7.5 to 8.5 feet.
0269-SS04B	BC7E2	MBC7E2	10/29/15	12:25	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 14 to 15 feet.
0269-S05	BC769	MBC769	10/29/15	13:35	Surface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 1 to 2 feet.
0269-SS05A	BC7E3	MBC7E3	10/29/15	13:40	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 3 to 5 feet.
0269-SS05B	BC7E4	MBC7E4	10/29/15	13:45	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 5 to 6.5 feet.
0269-S06	BC770	MBC770	10/30/15	08:50	Surface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 3 to 4 feet.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
0269-SS06A	BC7E5	MBC7E5	10/30/15	08:55	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 8 to 10 feet.
0269-SS06B	BC7E6	MBC7E6	10/30/15	09:00	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 14 to 15 feet.
0269-S07	BC771	MBC771	10/29/15	15:30	Surface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 2.5 to 5 feet.
0269-SS07A	BC7E7	MBC7E7	10/29/15	15:40	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 5.5 to 10 feet. MS/MSD for QA/QC purposes.
0269-SS07B	BC7E8	MBC7E8	10/29/15	15:45	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 12 to 15 feet.
0269-SS08B	BC7F0	MBC7F0	10/29/15	15:00	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 14 to 15 feet.
0269-SS09B	BC7F2	MBC7F2	10/29/15	14:25	Subsurface soil sample from a direct-push borehole within the industrial park for source characterization. Depth: 11 to 14 feet.
0269-S10	BC774	MBC774	10/30/15	10:10	Surface soil sample from a direct-push borehole south of the industrial park for evaluation of background conditions. Depth: 1 to 2 feet.
0269-SS10A	BC7F3	MBC7F3	10/30/15	10:20	Subsurface soil sample from a direct-push borehole south of the industrial park for evaluation of background conditions. Depth: 3 to 5 feet.
0269-SS10B	BC7H2	MBC7H2	10/30/15	10:00	Subsurface soil sample from a direct-push borehole within the industrial park for evaluation of background conditions. Depth: 14 to 15 feet.
0269-S11	BC7H1	MBC7H1	10/30/15	10:15	Duplicate of 0269-S10 for QA/QC purposes.
0269-SS11A	BC7H3	MBC7H3	10/30/15	10:25	Duplicate of 0269-SS10A for QA/QC purposes.
Surface Water Samples					
0269-SW01	BC7F5	MBC7F5	11/10/15	11:11	Surface water sample from the tidal portion of Wappinger Creek for evaluation of observed release. MS/MSD for QA/QC purposes.
0269-SW02	BC7F6	MBC7F6	11/10/15	11:30	Surface water sample from the tidal portion of Wappinger Creek for evaluation of observed release.
0269-SW03	BC7F7	MBC7F7	11/10/15	11:45	Surface water sample from the tidal portion of Wappinger Creek for evaluation of observed release.
0269-SW04	BC7F8	MBC7F8	11/10/15	12:00	Surface water sample from the tidal portion of Wappinger Creek for evaluation of observed release.
0269-SW05	BC7F9	MBC7F9	11/10/15	12:12	Surface water sample from the tidal portion of Wappinger Creek for evaluation of observed release.
0269-SW06	BC7G0	MBC7G0	11/10/15	12:37	Surface water sample from the tidal portion of Wappinger Creek for evaluation of observed release.
0269-SW07	BC7G1	MBC7G1	11/10/15	14:15	Surface water sample from Wappinger Creek at an industrial park storm water outfall for evaluation of observed release.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
0269-SW08	BC7G2	MBC7G2	11/10/15	14:25	Surface water sample from Wappinger Creek at an industrial park storm water outfall for evaluation of observed release.
0269-SW09	BC7G3	MBC7G3	11/13/15	08:35	Surface water sample from Wappinger Lake for evaluation of background conditions.
0269-SW10	BC7G4	MBC7G4	11/13/15	09:00	Surface water sample from Wappinger Lake for evaluation of background conditions.
0269-SW11	BC7G5	MBC7G5	11/13/15	09:15	Surface water sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions.
0269-SW12	BC7G6	MBC7G6	11/13/15	09:20	Duplicate of 0269-SW11 for QA/QC purposes.
Sediment Samples					
0269-SED01-0-6	BC775	MBC775	11/11/15	13:35	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches. MS/MSD for QA/QC purposes.
0269-SED01-6-12	BC777	MBC777	11/11/15	13:45	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED01-12-24	BC776	MBC776	11/11/15	14:00	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED02-0-6	BC778	MBC778	11/11/15	15:00	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED02-6-12	BC780	MBC780	11/11/15	15:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED02-12-24	BC779	MBC779	11/11/15	15:30	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED03-0-6	BC781	MBC781	11/11/15	17:00	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED03-6-12	BC783	MBC783	11/11/15	17:10	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED03-12-24	BC782	MBC782	11/11/15	17:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED04-0-6	BC784	MBC784	11/11/15	16:25	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED04-6-12	BC786	MBC786	11/11/15	16:30	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED04-12-24	BC785	MBC785	11/11/15	16:35	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED05-0-6	BC787	MBC787	11/11/15	17:35	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
0269-SED05-6-12	BC789	MBC789	11/11/15	17:45	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED05-12-24	BC788	MBC788	11/11/15	17:55	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED06-0-6	BC790	MBC790	11/12/15	10:00	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED06-6-12	BC792	MBC792	11/12/15	10:10	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED06-12-24	BC791	MBC791	11/12/15	10:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED07-0-6	BC793	MBC793	11/12/15	10:45	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED07-6-12	BC795	MBC795	11/12/15	10:55	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED07-12-24	BC794	MBC794	11/12/15	11:10	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches. Designated for methyl mercury and dioxins/furans analyses.
0269-SED07A-12-14	N/A	N/A	11/12/15	11:15	Duplicate of 0269-SED07-12-24 (methyl mercury and dioxins/furans analyses only) for QA/QC purposes.
0269-SED08-0-6	BC796	MBC796	11/12/15	11:30	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED08-6-12	BC798	MBC798	11/12/15	11:40	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches. MS/MSD for QA/QC purposes.
0269-SED08-12-24	BC797	MBC797	11/12/15	11:50	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches. Designated for methyl mercury analysis.
0269-SED09-0-6	BC799	MBC799	11/12/15	12:10	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED09-6-12	BC7A1	MBC7A1	11/12/15	12:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED09-12-24	BC7A0	MBC7A0	11/12/15	12:30	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches. Designated for methyl mercury analysis.
0269-SED10-0-6	BC7A2	MBC7A2	11/12/15	14:15	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED10-6-12	BC7A4	MBC7A4	11/12/15	14:25	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
0269-SED10-12-24	BC7A3	MBC7A3	11/12/15	14:35	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches. Designated for methyl mercury analysis.
0269-SED11-0-6	BC7A5	MBC7A5	11/12/15	15:00	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED11-6-12	BC7A7	MBC7A7	11/12/15	15:10	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED11-12-24	BC7A6	MBC7A6	11/12/15	15:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. MS/MSD of methyl mercury and dioxins/furans analyses only for QA/QC purposes. Depth: 12 to 24 inches. Designated for methyl mercury and dioxins/furans analyses.
0269-SED12-0-6	BC7A8	MBC7A8	11/12/15	16:00	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED12-6-12	BC7B0	MBC7B0	11/12/15	16:10	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED12-12-24	BC7A9	MBC7A9	11/12/15	16:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches. Designated for dioxins/furans analyses.
0269-SED13-0-6	BC7B1	MBC7B1	11/13/15	11:45	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED13-6-12	BC7B3	MBC7B3	11/13/15	11:55	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED13-12-24	BC7B2	MBC7B2	11/13/15	12:05	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches. Designated for dioxins/furans analyses.
0269-SED14-0-6	BC7B4	MBC7B4	11/13/15	12:20	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches.
0269-SED14-6-12	BC7B6	MBC7B6	11/13/15	12:30	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches. Designated for dioxins/furans analyses.
0269-SED15-0-6	BC7B7	MBC7B7	11/16/15	09:50	Sediment sample from Wappinger Lake for evaluation of background conditions. Depth: 0 to 6 inches.
0269-SED15-6-12	BC7B9	MBC7B9	11/16/15	10:00	Sediment sample from Wappinger Lake for evaluation of background conditions. Depth: 6 to 12 inches.
0269-SED15-12-24	BC7B8	MBC7B8	11/16/15	10:10	Sediment sample from Wappinger Lake for evaluation of background conditions. Depth: 12 to 24 inches. MS/MSD for QA/QC purposes.
0269-SED16-0-6	BC7C0	MBC7C0	11/16/15	10:30	Sediment sample from Wappinger Lake for evaluation of background conditions. Depth: 0 to 6 inches.
0269-SED16-6-12	BC7C2	MBC7C2	11/16/15	10:40	Sediment sample from Wappinger Lake for evaluation of background conditions. Depth: 6 to 12 inches.
0269-SED16-12-24	BC7C1	MBC7C1	11/16/15	10:50	Sediment sample from Wappinger Lake for evaluation of background conditions. Depth: 12 to 24 inches.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
0269-SED17-0-6	BC7C3	MBC7C3	11/16/15	11:40	Sediment sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions. Depth: 0 to 6 inches.
0269-SED17-6-12	BC7C5	MBC7C5	11/16/15	11:50	Sediment sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions. Depth: 6 to 12 inches.
0269-SED17-12-24	BC7C4	MBC7C4	11/16/15	12:00	Sediment sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions. Depth: 12 to 24 inches.
0269-SED18-0-6	BC7C6	MBC7C6	11/16/15	12:15	Sediment sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions. Depth: 0 to 6 inches.
0269-SED18-6-12	BC7C8	MBC7C8	11/16/15	12:25	Sediment sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions. Depth: 6 to 12 inches.
0269-SED18-12-24	BC7C7	MBC7C7	11/16/15	12:35	Sediment sample from the upstream, non-tidal portion of Wappinger Creek for evaluation of background conditions. Depth: 12 to 24 inches.
0269-SED19-0-6	BC7C9	MBC7C9	11/12/15	15:30	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 0 to 6 inches. MSD/MSD for QA/QC purposes.
0269-SED19-6-12	BC7D1	MBC7D1	11/12/15	15:40	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 6 to 12 inches.
0269-SED19-12-24	BC7D0	MBC7D0	11/12/15	15:50	Sediment sample from the tidal portion of Wappinger Creek for evaluation of observed release. Depth: 12 to 24 inches.
0269-SED20-0-6	BC7D2	MBC7D2	11/16/15	16:00	Sediment sample from Moodna Creek for evaluation of background conditions. Depth: 0 to 6 inches.
0269-SED20-6-12	BC7D4	MBC7D4	11/16/15	16:10	Sediment sample from Moodna Creek for evaluation of background conditions. Depth: 6 to 12 inches.
0269-SED20-12-24	BC7D3	MBC7D3	11/16/15	16:20	Sediment sample from Moodna Creek for evaluation of background conditions. Depth: 12 to 24 inches.
0269-SED21-0-6	BC7H4	MBC7H4	11/16/15	16:30	Sediment sample from Moodna Creek for evaluation of background conditions. Depth: 0 to 6 inches.
0269-SED21-6-12	BC7H6	MBC7H6	11/16/15	16:40	Sediment sample from Moodna Creek for evaluation of background conditions. Depth: 6 to 12 inches.
0269-SED21-12-24	BC7H5	MBC7H5	11/16/15	16:50	Sediment sample from Moodna Creek for evaluation of background conditions. Depth: 12 to 24 inches.
0269-SED22-0-6	BC7H7	MBC7H7	11/11/15	15:10	Duplicate of 0269-SED02-0-6 for QA/QC purposes.
0269-SED22-6-12	BC7H9	MBC7H9	11/12/15	11:05	Duplicate of 0269-SED07-6-12 for QA/QC purposes.
0269-SED22-12-24	BC7H8	MBC7H8	11/13/15	12:15	Duplicate of 0269-SED13-12-24 for QA/QC purposes.
0269-SED23-0-6	BC7J0	MBC7J0	11/16/15	09:55	Duplicate of 0269-SED15-0-6 for QA/QC purposes.
Rinsate Blanks					
0269-RIN01	BC761	MBC761	10/29/15	12:40	Rinsate blank (from decontaminated cutting shoe) for QA/QC purposes.
0269-RIN03	BC7F4	MBC7F4	11/10/15	14:00	Rinsate blank (from the surface water sampling tool) for QA/QC purposes.
0269-RIN04	BC763	MBC763	11/12/15	08:00	Rinsate blank (from the sediment coring tool) for QA/QC purposes. Designated for methyl mercury and dioxins/furans analyses.

TABLE 1 (continued)
SAMPLE DESCRIPTIONS – SOIL, SURFACE WATER, AND SEDIMENT SAMPLING
WAPPINGER CREEK SITE
VILLAGE OF WAPPINGERS FALLS, NEW YORK

Sample No.	CLP No. Organic	CLP No. Inorganic	Date	Time	Comments
0269-RIN05	BC764	MBC764	11/16/15	12:15	Rinsate blank (from the sediment coring tool) for QA/QC purposes.
Trip Blanks					
0269-TB01	BC7G8	N/A	11/10/15	10:10	Trip blank for QA/QC purposes, first day of aqueous sampling.
0269-TB02	BC7G9	N/A	11/13/15	08:15	Trip Blank for QA/QC purposes, second day of aqueous sampling.

FIGURE 1 – SITE LOCATION MAP

LEGEND:

SOURCE:
National Geographic TOPO! U.S. Geologic Survey (USGS). 7.5 Minute Series (Topographic) Quadrangles: Wappingers Falls, NY, NY 1981.

PROJECT:
Wappinger Creek

CLIENT NAME:
EPA

TITLE:

Site Location Map
Wappinger Creek
Village of Wappingers Falls, NY

WESTON SOLUTIONS

DATE:
November 2015

FIGURE #:
15 of 32

P:\SAT2\Wappinger Creek\MXD\16820_WC_Topo.mxd

FIGURE 2 – SOIL BORING LOCATION MAP

P:\SAT2\Wappinger Creek\MXD\17214_WC_Sample_Loc_103015.mxd

LEGEND: Soil Boring Location

TITLE: Soil Boring Location Map

DRAWN BY: P. DiTillio

REVIEWED BY: S. Snyder

PROJECT MANAGER: S. Snyder

SCALE: 1 " = 200 '

N W E S

PROJECT: Wappinger Creek

CLIENT NAME: EPA

WESTON SOLUTIONS

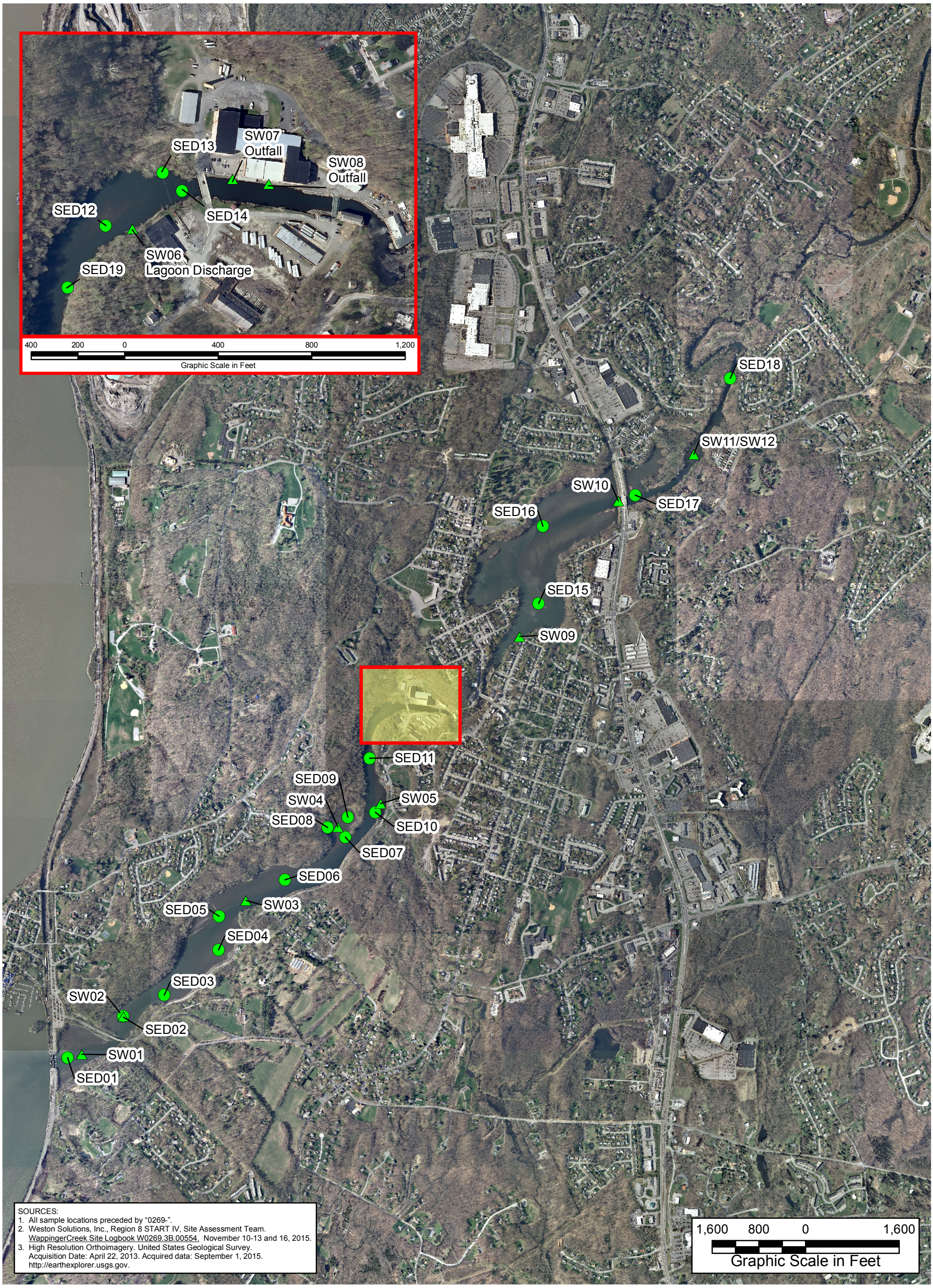
DRAWING NUMBER: 17214

FIGURE #: 2

DATE: November 2015

FIGURE 3 – SURFACE WATER AND SEDIMENT CORING LOCATION MAP

P:\SAT2\Wappinger Creek\MXD\17223_WC_SD_SW_Sample_Loc.mxd



SOURCES:
1. All sample locations preceded by "0269-".
2. Weston Solutions, Inc., Region 8 START IV, Site Assessment Team. WappingerCreek Site Logbook W0269.3B.00554. November 10-13 and 16, 2015.
3. High Resolution Orthoimagery. United States Geological Survey. Acquisition Date: April 22, 2013. Acquired data: September 1, 2015. http://earthexplorer.usgs.gov.

LEGEND:
- Sediment Coring Location
- Surface Water Sample Location

PROJECT: Wappinger Creek

CLIENT NAME: EPA

TITLE:

Surface Water and Sediment Coring Location Map Wappinger Creek

WESTON SOLUTIONS

DRAWING NUMBER: 17223

FIGURE #: 3

DRAWN BY: P. DiTillio

REVIEWED BY: S. Snyder

PROJECT MANAGER: S. Snyder

SCALE: 1 " = 1,600 '

DATE: November 2015

N W E S

FIGURE 4 – MOODNA CREEK SEDIMENT CORING LOCATION MAP

Document Path: P:\SAT2\Wappinger Creek\MXD\17224_MC_Sed_Sample_Loc.mxd

SOURCES:
1. All sample coring locations preceded by "0269-".
2. Weston Solutions, Inc., Region 8 START IV, Site Assessment Team. WappingerCreek Site Logbook W0269.3B.00554. November 16, 2015.
3. High Resolution Orthoimagery. United States Geological Survey. Acquisition Date: April 22, 2013. Acquired data: September 1, 2015. http://earthexplorer.usgs.gov.

LEGEND:
Sediment Coring Location

PROJECT: Wappinger Creek

TITLE: Sediment Coring Location Map Moodna Creek

DRAWN BY: P. DiTillio
REVIEWED BY: S. Snyder
PROJECT MANAGER: S. Snyder
SCALE: 1"= 400'
DATE: November 2015

N W E S

CLIENT NAME: EPA

WESTON SOLUTIONS

DRAWING NUMBER: 17224

FIGURE #: 4

ATTACHMENT 1

CHAIN OF CUSTODY RECORDS
AND FEDEX AIR WAYBILLS

USEPA CLP COC (REGION COPY)
Date Shipped: 10/29/2015
Carrier Name: FedEx
Airbill No: 8750 6337 1315

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler ~~#2~~ of 2
i 35

No: 2-102915-160411-0001
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-S01	BC765	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1000 (4 C), 1001 (4 C), 1002 (4 C) (5)	0269-S01	10/29/2015 09:45	Field Sample
0269-S02	BC766	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1012 (4 C), 1013 (4 C), 1014 (4 C) (5)	0269-S02	10/29/2015 10:40	Field Sample
0269-S03	BC767	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1024 (4 C), 1025 (4 C), 1026 (4 C) (5)	0269-S03	10/29/2015 11:35	Field Sample
0269-S04	BC768	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1036 (4 C), 1037 (4 C), 1038 (4 C) (5)	0269-S04	10/29/2015 12:35	Field Sample
0269-SS01A	BC7D5	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1004 (4 C), 1005 (4 C), 1006 (4 C) (5)	0269-S01	10/29/2015 09:40	Field Sample
0269-SS01B	BC7D6	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1008 (4 C), 1009 (4 C), 1010 (4 C) (5)	0269-S01	10/29/2015 09:35	Field Sample
0269-SS02A	BC7D7	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1016 (4 C), 1017 (4 C), 1018 (4 C) (5)	0269-S02	10/29/2015 10:50	Field Sample
0269-SS02B	BC7D8	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1020 (4 C), 1021 (4 C), 1022 (4 C) (5)	0269-S02	10/29/2015 10:55	Field Sample
0269-SS03A	BC7D9	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1028 (4 C), 1029 (4 C), 1030 (4 C) (5)	0269-S03	10/29/2015 11:30	Field Sample
0269-SS03B	BC7E0	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1032 (4 C), 1033 (4 C), 1034 (4 C) (5)	0269-S03	10/29/2015 11:25	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	10/29/15 1600	FedEx	10/29/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 10/29/2015
Carrier Name: FedEx
Airbill No: 8750 6337 1315

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler # 2 of 2

No: 2-102915-162655-0002
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN01	BC761	DI Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1399 (HCl to pH<2), 1400 (4 C) (5)	N/A	10/29/2015 12:40	Rinsate Blank
0269-S05	BC769	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1048 (4 C), 1049 (4 C), 1050 (4 C) (5)	0269-S05	10/29/2015 13:35	Field Sample
0269-S07	BC771	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1072 (4 C), 1073 (4 C), 1074 (4 C) (5)	0269-S07	10/29/2015 15:30	Field Sample
0269-SS04A	BC7E1	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1040 (4 C), 1041 (4 C), 1042 (4 C) (5)	0269-S04	10/29/2015 12:30	Field Sample
0269-SS04B	BC7E2	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1044 (4 C), 1045 (4 C), 1046 (4 C) (5)	0269-S04	10/29/2015 12:25	Field Sample
0269-SS05A	BC7E3	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1052 (4 C), 1053 (4 C), 1054 (4 C) (5)	0269-S05	10/29/2015 13:40	Field Sample
0269-SS05B	BC7E4	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1056 (4 C), 1057 (4 C), 1058 (4 C) (5)	0269-S05	10/29/2015 13:45	Field Sample
0269-SS07A	BC7E7	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1076 (4 C), 1077 (4 C), 1078 (4 C) (5)	0269-S07	10/29/2015 15:40	Field Sample
0269-SS07B	BC7E8	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1080 (4 C), 1081 (4 C), 1082 (4 C) (5)	0269-S07	10/29/2015 15:45	Field Sample
0269-SS08B	BC7F0	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1092 (4 C), 1093 (4 C), 1094 (4 C) (5)	0269-S08	10/29/2015 15:00	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	10/29/15 1800	FedEx	10/29/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 10/29/2015
Carrier Name: FedEx
Airbill No: 8750 6337 1315

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler # 2 of 2

No: 2-102915-162655-0002
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SS09B	BC7F2	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1104 (4 C), 1105 (4 C), 1106 (4 C) (5)	0269-S09	10/29/2015 14:25	Field Sample

Special Instructions:	Shipment for Case Complete? N Samples Transferred From Chain of Custody #
Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	10/29/15 1600	FedEx	10/29/15 1600	

USEPA CLP COC (REGION COPY)
Date Shipped: 10/30/2015
Carrier Name: FedEx
Airbill No: 8715 6304 5741

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler # 1 of 1

No: 2-103015-102315-0003
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-S06	BC770	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1060 (4 C), 1061 (4 C), 1062 (4 C) (5)	0269-S06	10/30/2015 08:50	Field Sample
0269-S10	BC774	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1108 (4 C), 1109 (4 C), 1110 (4 C) (5)	0269-S10	10/30/2015 10:10	Field Sample
0269-SS06A	BC7E5	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1064 (4 C), 1065 (4 C), 1066 (4 C) (5)	0269-S06	10/30/2015 08:55	Field Sample
0269-SS06B	BC7E6	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1068 (4 C), 1069 (4 C), 1070 (4 C) (5)	0269-S06	10/30/2015 09:00	Field Sample
0269-SS10A	BC7F3	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1112 (4 C), 1113 (4 C), 1114 (4 C) (5)	0269-S10	10/30/2015 10:20	Field Sample
0269-S11	BC7H1	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1423 (4 C), 1424 (4 C), 1425 (4 C) (5)	0269-S10	10/30/2015 10:15	Field Duplicate
0269-SS10B	BC7H2	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1419 (4 C), 1420 (4 C), 1421 (4 C) (5)	0269-S10	10/30/2015 10:00	Field Sample
0269-SS11A	BC7H3	Soil/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1427 (4 C), 1428 (4 C), 1429 (4 C) (5)	0269-S10	10/30/2015 10:25	Field Duplicate

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature] WESTON	10/30/15 1500	FedEx	10/30/15 1500	

USEPA CLP COC (REGION COPY)
Date Shipped: 10/30/2015
Carrier Name: FedEx
Airbill No: 8750 6337 1337

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler # 1 of 1

No: 2-103015-103522-0004
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN01	MBC761	DI Water/ Region 2 SAT	Grab	TAL(7)	1401 (HNO3 to pH<2) (1)	N/A	10/29/2015 12:40	Rinsate Blank
0269-S01	MBC765	Soil/ Region 2 SAT	Grab	TAL(7)	1003 (4 C) (2)	0269-S01	10/29/2015 09:45	Field Sample
0269-S02	MBC766	Soil/ Region 2 SAT	Grab	TAL(7)	1015 (4 C) (1)	0269-S02	10/29/2015 10:40	Field Sample
0269-S03	MBC767	Soil/ Region 2 SAT	Grab	TAL(7)	1027 (4 C) (1)	0269-S03	10/29/2015 11:35	Field Sample
0269-S04	MBC768	Soil/ Region 2 SAT	Grab	TAL(7)	1039 (4 C) (1)	0269-S04	10/29/2015 12:35	Field Sample
0269-S05	MBC769	Soil/ Region 2 SAT	Grab	TAL(7)	1051 (4 C) (1)	0269-S05	10/29/2015 13:35	Field Sample
0269-S06	MBC770	Soil/ Region 2 SAT	Grab	TAL(7)	1063 (4 C) (1)	0269-S06	10/30/2015 08:50	Field Sample
0269-S07	MBC771	Soil/ Region 2 SAT	Grab	TAL(7)	1075 (4 C) (1)	0269-S07	10/29/2015 15:30	Field Sample
0269-S10	MBC774	Soil/ Region 2 SAT	Grab	TAL(7)	1111 (4 C) (1)	0269-S10	10/30/2015 10:10	Field Sample
0269-SS01A	MBC7D5	Soil/ Region 2 SAT	Grab	TAL(7)	1007 (4 C) (1)	0269-S01	10/29/2015 09:40	Field Sample

Sample(s) to be used for Lab QC: 0269-S01 Tag 1003 - Special Instructions: MS/MSDs: BC765 and BC7E7	**Shipment for Case Complete? N** **Samples Transferred From Chain of Custody #**
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	10/30/15 1500	FedEx	10/30/15 1500	

USEPA CLP COC (REGION COPY)
Date Shipped: 10/30/2015
Carrier Name: FedEx
Airbill No: 8750 6337 1337

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler # 1 of 1

No: 2-103015-103522-0004
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SS01B	MBC7D6	Soil/ Region 2 SAT	Grab	TAL(7)	1011 (4 C) (1)	0269-S01	10/29/2015 09:35	Field Sample
0269-SS02A	MBC7D7	Soil/ Region 2 SAT	Grab	TAL(7)	1019 (4 C) (1)	0269-S02	10/29/2015 10:50	Field Sample
0269-SS02B	MBC7D8	Soil/ Region 2 SAT	Grab	TAL(7)	1023 (4 C) (1)	0269-S02	10/29/2015 10:55	Field Sample
0269-SS03A	MBC7D9	Soil/ Region 2 SAT	Grab	TAL(7)	1031 (4 C) (1)	0269-S03	10/29/2015 11:30	Field Sample
0269-SS03B	MBC7E0	Soil/ Region 2 SAT	Grab	TAL(7)	1035 (4 C) (1)	0269-S03	10/29/2015 11:25	Field Sample
0269-SS04A	MBC7E1	Soil/ Region 2 SAT	Grab	TAL(7)	1043 (4 C) (1)	0269-S04	10/29/2015 12:30	Field Sample
0269-SS04B	MBC7E2	Soil/ Region 2 SAT	Grab	TAL(7)	1047 (4 C) (1)	0269-S04	10/29/2015 12:25	Field Sample
0269-SS05A	MBC7E3	Soil/ Region 2 SAT	Grab	TAL(7)	1055 (4 C) (1)	0269-S05	10/29/2015 13:40	Field Sample
0269-SS05B	MBC7E4	Soil/ Region 2 SAT	Grab	TAL(7)	1059 (4 C) (1)	0269-S05	10/29/2015 13:45	Field Sample
0269-SS06A	MBC7E5	Soil/ Region 2 SAT	Grab	TAL(7)	1067 (4 C) (1)	0269-S06	10/30/2015 08:55	Field Sample

Special Instructions: MS/MSDs: BC765 and BC7E7	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	10/30/15 1500	FedEx	10/30/15 1500	

USEPA CLP COC (REGION COPY)
Date Shipped: 10/30/2015
Carrier Name: FedEx
Airbill No: 8750 6337 1337

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler # 1 of 1

No: 2-103015-103522-0004
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SS06B	MBC7E6	Soil/ Region 2 SAT	Grab	TAL(7)	1071 (4 C) (1)	0269-S06	10/30/2015 09:00	Field Sample
0269-SS07A	MBC7E7	Soil/ Region 2 SAT	Grab	TAL(7)	1079 (4 C) (2)	0269-S07	10/29/2015 15:40	Field Sample
0269-SS07B	MBC7E8	Soil/ Region 2 SAT	Grab	TAL(7)	1083 (4 C) (1)	0269-S07	10/29/2015 15:45	Field Sample
0269-SS08B	MBC7F0	Soil/ Region 2 SAT	Grab	TAL(7)	1095 (4 C) (1)	0269-S08	10/29/2015 15:00	Field Sample
0269-SS09B	MBC7F2	Soil/ Region 2 SAT	Grab	TAL(7)	1107 (4 C) (1)	0269-S09	10/29/2015 14:25	Field Sample
0269-SS10A	MBC7F3	Soil/ Region 2 SAT	Grab	TAL(7)	1115 (4 C) (1)	0269-S10	10/30/2015 10:20	Field Sample
0269-S11	MBC7H1	Soil/ Region 2 SAT	Grab	TAL(7)	1426 (4 C) (1)	0269-S10	10/30/2015 10:15	Field Duplicate
0269-SS10B	MBC7H2	Soil/ Region 2 SAT	Grab	TAL(7)	1422 (4 C) (1)	0269-S10	10/30/2015 10:00	Field Sample
0269-SS11A	MBC7H3	Soil/ Region 2 SAT	Grab	TAL(7)	1430 (4 C) (1)	0269-S10	10/30/2015 10:25	Field Duplicate

Sample(s) to be used for Lab QC: 0269-SS07A Tag 1079 - Special Instructions: MS/MSDs: BC765 and BC7E7

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TAL=TAL Inorganics (incl. Hg)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	10/30/15 1500	FedEx	10/30/15 1500	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/10/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2185

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111015-131648-0005
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SW01	BC7F5	Surface Water/ Region 2 SAT	Grab	SVOC(7)	1117 (4 C) (2)	0269-SW01	11/10/2015 11:11	Field Sample
0269-SW02	BC7F6	Surface Water/ Region 2 SAT	Grab	SVOC(7)	1120 (4 C) (2)	0269-SW02	11/10/2015 11:30	Field Sample
0269-SW03	BC7F7	Surface Water/ Region 2 SAT	Grab	SVOC(7)	1123 (4 C) (2)	0269-SW03	11/10/2015 11:45	Field Sample
0269-SW04	BC7F8	Surface Water/ Region 2 SAT	Grab	SVOC(7)	1126 (4 C) (2)	0269-SW04	11/10/2015 12:00	Field Sample
0269-SW05	BC7F9	Surface Water/ Region 2 SAT	Grab	SVOC(7)	1129 (4 C) (2)	0269-SW05	11/10/2015 12:12	Field Sample

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/10/15 1630	FEDEX	11/10/15 1630	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/10/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2185

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111015-150113-0006
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN03	BC7F4	DI Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1411 (HCl to pH<2), 1412 (4 C) (5)	N/A	11/10/2015 14:00	Rinsate Blank
0269-SW01	BC7F5	Surface Water/ Region 2 SAT	Grab	VOC(7)	1116 (HCl to pH<2) (3)	0269-SW01	11/10/2015 11:11	Field Sample
0269-SW02	BC7F6	Surface Water/ Region 2 SAT	Grab	VOC(7)	1119 (HCl to pH<2) (3)	0269-SW02	11/10/2015 11:30	Field Sample
0269-SW03	BC7F7	Surface Water/ Region 2 SAT	Grab	VOC(7)	1122 (HCl to pH<2) (3)	0269-SW03	11/10/2015 11:45	Field Sample
0269-SW04	BC7F8	Surface Water/ Region 2 SAT	Grab	VOC(7)	1125 (HCl to pH<2) (3)	0269-SW04	11/10/2015 12:00	Field Sample
0269-SW05	BC7F9	Surface Water/ Region 2 SAT	Grab	VOC(7)	1128 (HCl to pH<2) (3)	0269-SW05	11/10/2015 12:12	Field Sample
0269-SW06	BC7G0	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1131 (HCl to pH<2), 1132 (4 C) (5)	0269-SW06	11/10/2015 12:37	Field Sample
0269-SW07	BC7G1	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1134 (HCl to pH<2), 1135 (4 C) (5)	0269-SW07	11/10/2015 14:15	Field Sample
0269-SW08	BC7G2	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1137 (HCl to pH<2), 1138 (4 C) (5)	0269-SW08	11/10/2015 14:25	Field Sample
0269-TB01	BC7G8	DI Water/ Region 2 SAT	Grab	VOC(7)	1414 (HCl to pH<2) (3)	N/A	11/10/2015 10:10	Trip Blank

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/10/15 1630	FEDEX	11/10/15 1630	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/11/2015
Carrier Name: FedEx
Airbill No: 8088 5684 5233

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111115-084257-0007
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN03	MBC7F4	DI Water/ Region 2 SAT	Grab	TAL(7)	1413 (HNO3 to pH<2) (1)	N/A	11/10/2015 14:00	Rinsate Blank
0269-SW01	MBC7F5	Surface Water/ Region 2 SAT	Grab	TAL(7)	1118 (HNO3 to pH<2) (3)	0269-SW01	11/10/2015 11:11	Field Sample
0269-SW02	MBC7F6	Surface Water/ Region 2 SAT	Grab	TAL(7)	1121 (HNO3 to pH<2) (1)	0269-SW02	11/10/2015 11:30	Field Sample
0269-SW03	MBC7F7	Surface Water/ Region 2 SAT	Grab	TAL(7)	1124 (HNO3 to pH<2) (1)	0269-SW03	11/10/2015 11:45	Field Sample
0269-SW04	MBC7F8	Surface Water/ Region 2 SAT	Grab	TAL(7)	1127 (HNO3 to pH<2) (1)	0269-SW04	11/10/2015 12:00	Field Sample
0269-SW05	MBC7F9	Surface Water/ Region 2 SAT	Grab	TAL(7)	1130 (HNO3 to pH<2) (1)	0269-SW05	11/10/2015 12:12	Field Sample
0269-SW06	MBC7G0	Surface Water/ Region 2 SAT	Grab	TAL(7)	1133 (HNO3 to pH<2) (1)	0269-SW06	11/10/2015 12:37	Field Sample
0269-SW07	MBC7G1	Surface Water/ Region 2 SAT	Grab	TAL(7)	1136 (HNO3 to pH<2) (1)	0269-SW07	11/10/2015 14:15	Field Sample
0269-SW08	MBC7G2	Surface Water/ Region 2 SAT	Grab	TAL(7)	1139 (HNO3 to pH<2) (1)	0269-SW08	11/10/2015 14:25	Field Sample

Sample(s) to be used for Lab QC: 0269-SW01 Tag 1118 - Special Instructions: MS/MSD: 0269-SW01 CLP No.:MBC7F5	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON	11/11/15 2000	FedEx	11/11/15 2000	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/11/2015
Carrier Name: FedEx
Airbill No: 8088 5684 5233

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111115-172910-0008
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED01-0-6	MBC775	Sediment/ Region 2 SAT	Grab	TAL(7)	1158 (4 C) (2)	0269-SED01	11/11/2015 13:35	Field Sample
0269-SED01-12-24	MBC776	Sediment/ Region 2 SAT	Grab	TAL(7)	1166 (4 C) (1)	0269-SED01	11/11/2015 14:00	Field Sample
0269-SED01-6-12	MBC777	Sediment/ Region 2 SAT	Grab	TAL(7)	1162 (4 C) (1)	0269-SED01	11/11/2015 13:45	Field Sample
0269-SED02-0-6	MBC778	Sediment/ Region 2 SAT	Grab	TAL(7)	1170 (4 C) (1)	0269-SED02	11/11/2015 15:00	Field Sample
0269-SED02-12-24	MBC779	Sediment/ Region 2 SAT	Grab	TAL(7)	1178 (4 C) (1)	0269-SED02	11/11/2015 15:30	Field Sample
0269-SED02-6-12	MBC780	Sediment/ Region 2 SAT	Grab	TAL(7)	1174 (4 C) (1)	0269-SED02	11/11/2015 15:20	Field Sample
0269-SED03-0-6	MBC781	Sediment/ Region 2 SAT	Grab	TAL(7)	1182 (4 C) (1)	0269-SED03	11/11/2015 17:00	Field Sample
0269-SED03-12-24	MBC782	Sediment/ Region 2 SAT	Grab	TAL(7)	1190 (4 C) (1)	0269-SED03	11/11/2015 17:20	Field Sample
0269-SED03-6-12	MBC783	Sediment/ Region 2 SAT	Grab	TAL(7)	1186 (4 C) (1)	0269-SED03	11/11/2015 17:10	Field Sample
0269-SED04-0-6	MBC784	Sediment/ Region 2 SAT	Grab	TAL(7)	1194 (4 C) (1)	0269-SED04	11/11/2015 16:25	Field Sample

Sample(s) to be used for Lab QC: 0269-SED01-0-6 Tag 1158 - Special Instructions: MS/MSD: 0269-SED01 CLP No.: MBC775	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/11/15 20:00	FEDEX	11/11/15 20:00	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/11/2015
Carrier Name: FedEx
Airbill No: 8088 5684 5233

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111115-172910-0008
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED04-12-24	MBC785	Sediment/ Region 2 SAT	Grab	TAL(7)	1202 (4 C) (1)	0269-SED04	11/11/2015 16:35	Field Sample
0269-SED04-6-12	MBC786	Sediment/ Region 2 SAT	Grab	TAL(7)	1198 (4 C) (1)	0269-SED04	11/11/2015 16:30	Field Sample
0269-SED05-0-6	MBC787	Sediment/ Region 2 SAT	Grab	TAL(7)	1206 (4 C) (1)	0269-SED05	11/11/2015 17:35	Field Sample
0269-SED05-12-24	MBC788	Sediment/ Region 2 SAT	Grab	TAL(7)	1214 (4 C) (1)	0269-SED05	11/11/2015 17:55	Field Sample
0269-SED05-6-12	MBC789	Sediment/ Region 2 SAT	Grab	TAL(7)	1210 (4 C) (1)	0269-SED05	11/11/2015 17:45	Field Sample
0269-SED22-0-6	MBC7H7	Sediment/ Region 2 SAT	Grab	TAL(7)	1446 (4 C) (1)	0269-SED21	11/11/2015 15:10	Field Duplicate

Special Instructions: MS/MSD: 0269-SED01 CLP No.: MBC775	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Bean / WESTON	11/11/15 20:00	FEDEX	11/11/15 2000	

USEPA CLP COC (REGION COPY)
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Carrier Name: FedEx
Airbill No: 8088 5685 0184

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111115-174244-0009
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED01-0-6	BC775	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1155 (4 C), 1156 (4 C), 1157 (4 C) (5)	0269-SED01	11/11/2015 13:35	Field Sample
0269-SED01-12-24	BC776	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1163 (4 C), 1164 (4 C), 1165 (4 C) (5)	0269-SED01	11/11/2015 14:00	Field Sample
0269-SED01-6-12	BC777	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1159 (4 C), 1160 (4 C), 1161 (4 C) (5)	0269-SED01	11/11/2015 13:45	Field Sample
0269-SED02-0-6	BC778	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1167 (4 C), 1168 (4 C), 1169 (4 C) (5)	0269-SED02	11/11/2015 15:00	Field Sample
0269-SED02-12-24	BC779	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1175 (4 C), 1176 (4 C), 1177 (4 C) (5)	0269-SED02	11/11/2015 15:30	Field Sample
0269-SED02-6-12	BC780	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1171 (4 C), 1172 (4 C), 1173 (4 C) (5)	0269-SED02	11/11/2015 15:20	Field Sample
0269-SED03-0-6	BC781	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1179 (4 C), 1180 (4 C), 1181 (4 C) (5)	0269-SED03	11/11/2015 17:00	Field Sample
0269-SED03-12-24	BC782	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1187 (4 C), 1188 (4 C), 1189 (4 C) (5)	0269-SED03	11/11/2015 17:20	Field Sample
0269-SED03-6-12	BC783	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1183 (4 C), 1184 (4 C), 1185 (4 C) (5)	0269-SED03	11/11/2015 17:10	Field Sample
0269-SED22-0-6	BC7H7	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1443 (4 C), 1444 (4 C), 1445 (4 C) (5)	0269-~~SED21~~ SED02	11/11/2015 15:10	Field Duplicate

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen/ WESTON	11/11/15 20:00	FEDEX	11/11/15 20:00	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/11/2015
Carrier Name: FedEx
Airbill No: 8088 5685 0184

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111115-175044-0010
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED04-0-6	BC784	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1191 (4 C), 1192 (4 C), 1193 (4 C) (5)	0269-SED04	11/11/2015 16:25	Field Sample
0269-SED04-12-24	BC785	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1199 (4 C), 1200 (4 C), 1201 (4 C) (5)	0269-SED04	11/11/2015 16:35	Field Sample
0269-SED04-6-12	BC786	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1195 (4 C), 1196 (4 C), 1197 (4 C) (5)	0269-SED04	11/11/2015 16:30	Field Sample
0269-SED05-0-6	BC787	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1203 (4 C), 1204 (4 C), 1205 (4 C) (5)	0269-SED05	11/11/2015 17:35	Field Sample
0269-SED05-12-24	BC788	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1211 (4 C), 1212 (4 C), 1213 (4 C) (5)	0269-SED05	11/11/2015 17:55	Field Sample
0269-SED05-6-12	BC789	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1207 (4 C), 1208 (4 C), 1209 (4 C) (5)	0269-SED05	11/11/2015 17:45	Field Sample

DB

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green /WESTON	11/11/15 20 00	FEDEX	11/11/15 20:00	

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Date Shipped: 11/12/2015
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Airbill No: 8044 6775 2082

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111215-125112-0011
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN04	BC763	DI Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1405 (HCl to pH<2), 1406 (4 C) (5)	N/A	11/12/2015 08:00	Rinsate Blank
0269-SED06-0-6	BC790	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1215 (4 C), 1216 (4 C), 1217 (4 C) (5)	0269-SED06	11/12/2015 10:00	Field Sample
0269-SED06-12-24	BC791	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1223 (4 C), 1224 (4 C), 1225 (4 C) (5)	0269-SED06	11/12/2015 10:20	Field Sample
0269-SED06-6-12	BC792	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1219 (4 C), 1220 (4 C), 1221 (4 C) (5)	0269-SED06	11/12/2015 10:10	Field Sample
0269-SED07-0-6	BC793	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1227 (4 C), 1228 (4 C), 1229 (4 C) (5)	0269-SED07	11/12/2015 10:45	Field Sample
0269-SED07-12-24	BC794	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1239 (4 C), 1240 (4 C), 1241 (4 C) (5)	0269-SED07	11/12/2015 11:10	Field Sample
0269-SED07-6-12	BC795	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1235 (4 C), 1236 (4 C), 1237 (4 C) (5)	0269-SED07	11/12/2015 10:55	Field Sample
0269-SED08-0-6	BC796	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1243 (4 C), 1244 (4 C), 1245 (4 C) (5)	0269-SED08	11/12/2015 11:30	Field Sample
0269-SED08-12-24	BC797	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1251 (4 C), 1252 (4 C), 1253 (4 C) (5)	0269-SED08	11/12/2015 11:50	Field Sample
0269-SED08-6-12	BC798	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1247 (4 C), 1248 (4 C), 1249 (4 C) (5)	0269-SED08	11/12/2015 11:40	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

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CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111215-125112-0011
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED22-6-12	BC7H9	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1447 (4 C), 1448 (4 C), 1449 (4 C) (5)	0269-SED07	11/12/2015 11:05	Field Duplicate

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green /WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

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DateShipped: 11/12/2015
CarrierName: FedEx
AirbillNo: 8715 6304 5763

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111215-130210-0012
Cooler #: 1
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-RIN04	Dioxins/Furans	DI Water	11/12/2015	08:00	2	1-liter Amber Glass Jar	4 C	N
	0269-SED01-0-6	Grain Size Distribution	Sediment	11/11/2015	13:35	1	16-oz. glass jar	N/A	N
	0269-SED01-12-24	Grain Size Distribution	Sediment	11/11/2015	14:00	1	16-oz. glass jar	N/A	N
	0269-SED01-6-12	Grain Size Distribution	Sediment	11/11/2015	13:45	1	16-oz. glass jar	N/A	N
	0269-SED02-0-6	Grain Size Distribution	Sediment	11/11/2015	15:00	1	16-oz. glass jar	N/A	N
	0269-SED02-12-24	Grain Size Distribution	Sediment	11/11/2015	15:30	1	16-oz. glass jar	N/A	N
	0269-SED02-6-12	Grain Size Distribution	Sediment	11/11/2015	15:20	1	16-oz. glass jar	N/A	N
	0269-SED03-0-6	Grain Size Distribution	Sediment	11/11/2015	17:00	1	16-oz. glass jar	N/A	N
	0269-SED03-12-24	Grain Size Distribution	Sediment	11/11/2015	17:20	1	16-oz. glass jar	N/A	N
	0269-SED03-6-12	Grain Size Distribution	Sediment	11/11/2015	17:10	1	16-oz. glass jar	N/A	N
	0269-SED04-0-6	Grain Size Distribution	Sediment	11/11/2015	16:25	1	16-oz. glass jar	N/A	N
	0269-SED04-12-24	Grain Size Distribution	Sediment	11/11/2015	16:35	1	16-oz. glass jar	N/A	N
	0269-SED04-6-12	Grain Size Distribution	Sediment	11/11/2015	16:30	1	16-oz. glass jar	N/A	N
	0269-SED05-0-6	Grain Size Distribution	Sediment	11/11/2015	17:35	1	16-oz. glass jar	N/A	N
	0269-SED05-12-24	Grain Size Distribution	Sediment	11/11/2015	17:55	1	16-oz. glass jar	N/A	N
	0269-SED05-6-12	Grain Size Distribution	Sediment	11/11/2015	17:45	1	16-oz. glass jar	N/A	N
	0269-SED06-0-6	Grain Size Distribution	Sediment	11/12/2015	10:00	1	16-oz. glass jar	N/A	N
	0269-SED06-12-24	Grain Size Distribution	Sediment	11/12/2015	10:20	1	16-oz. glass jar	N/A	N

Special Instructions: PO #0089959	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen/WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA
DateShipped: 11/12/2015
CarrierName: FedEx
AirbillNo: 8715 6304 5763

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111215-130210-0012
Cooler #: 1
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED06-6-12	Grain Size Distribution	Sediment	11/12/2015	10:10	1	16-oz. glass jar	N/A	N
	0269-SED22-0-6	Grain Size Distribution	Sediment	11/11/2015	15:10	1	16-oz. glass jar	N/A	N

DB

Special Instructions: PO #0089959

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

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AirbillNo 8044 6775 2082

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler #: 3

No: 2-111215-164447-0013
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED12-0-6	BC7A8	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1291 (4 C), 1292 (4 C), 1293 (4 C) (5)	0269-SED12	11/12/2015 16:00	Field Sample
0269-SED12-12-24	BC7A9	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1299 (4 C), 1300 (4 C), 1301 (4 C) (5)	0269-SED12	11/12/2015 16:20	Field Sample
0269-SED12-6-12	BC7B0	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1295 (4 C), 1296 (4 C), 1297 (4 C) (5)	0269-SED12	11/12/2015 16:10	Field Sample
0269-SED19-0-6	BC7C9	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1375 (4 C), 1376 (4 C), 1377 (4 C) (5)	0269-SED19	11/12/2015 15:30	Field Sample
0269-SED19-12-24	BC7D0	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1383 (4 C), 1384 (4 C), 1385 (4 C) (5)	0269-SED19	11/12/2015 15:50	Field Sample
0269-SED19-6-12	BC7D1	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1379 (4 C), 1380 (4 C), 1381 (4 C) (5)	0269-SED19	11/12/2015 15:40	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/12/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2082

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111215-165249-0014
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED09-0-6	BC799	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1255 (4 C), 1256 (4 C), 1257 (4 C) (5)	0269-SED09	11/12/2015 12:10	Field Sample
0269-SED09-12-24	BC7A0	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1263 (4 C), 1264 (4 C), 1265 (4 C) (5)	0269-SED09	11/12/2015 12:30	Field Sample
0269-SED09-6-12	BC7A1	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1259 (4 C), 1260 (4 C), 1261 (4 C) (5)	0269-SED09	11/12/2015 12:20	Field Sample
0269-SED10-0-6	BC7A2	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1267 (4 C), 1268 (4 C), 1269 (4 C) (5)	0269-SED10	11/12/2015 14:15	Field Sample
0269-SED10-12-24	BC7A3	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1275 (4 C), 1276 (4 C), 1277 (4 C) (5)	0269-SED10	11/12/2015 14:35	Field Sample
0269-SED10-6-12	BC7A4	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1271 (4 C), 1272 (4 C), 1273 (4 C) (5)	0269-SED10	11/12/2015 14:25	Field Sample
0269-SED11-0-6	BC7A5	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1279 (4 C), 1280 (4 C), 1281 (4 C) (5)	0269-SED11	11/12/2015 15:00	Field Sample
0269-SED11-12-24	BC7A6	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1287 (4 C), 1288 (4 C), 1289 (4 C) (5)	0269-SED11	11/12/2015 15:20	Field Sample
0269-SED11-6-12	BC7A7	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1283 (4 C), 1284 (4 C), 1285 (4 C) (5)	0269-SED11	11/12/2015 15:10	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denis Green/WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/12/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2093

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111215-170016-0015
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN04	MBC763	DI Water/ Region 2 SAT	Grab	TAL(7)	1407 (HNO3 to pH<2) (1)	N/A	11/12/2015 08:00	Rinsate Blank
0269-SED06-0-6	MBC790	Sediment/ Region 2 SAT	Grab	TAL(7)	1218 (4 C) (1)	0269-SED06	11/12/2015 10:00	Field Sample
0269-SED06-12-24	MBC791	Sediment/ Region 2 SAT	Grab	TAL(7)	1226 (4 C) (1)	0269-SED06	11/12/2015 10:20	Field Sample
0269-SED06-6-12	MBC792	Sediment/ Region 2 SAT	Grab	TAL(7)	1222 (4 C) (1)	0269-SED06	11/12/2015 10:10	Field Sample
0269-SED07-0-6	MBC793	Sediment/ Region 2 SAT	Grab	TAL(7)	1230 (4 C) (1)	0269-SED07	11/12/2015 10:45	Field Sample
0269-SED07-12-24	MBC794	Sediment/ Region 2 SAT	Grab	TAL(7)	1242 (4 C) (1)	0269-SED07	11/12/2015 11:10	Field Sample
0269-SED07-6-12	MBC795	Sediment/ Region 2 SAT	Grab	TAL(7)	1238 (4 C) (1)	0269-SED07	11/12/2015 10:55	Field Sample
0269-SED08-0-6	MBC796	Sediment/ Region 2 SAT	Grab	TAL(7)	1246 (4 C) (1)	0269-SED08	11/12/2015 11:30	Field Sample
0269-SED08-12-24	MBC797	Sediment/ Region 2 SAT	Grab	TAL(7)	1254 (4 C) (1)	0269-SED08	11/12/2015 11:50	Field Sample
0269-SED08-6-12	MBC798	Sediment/ Region 2 SAT	Grab	TAL(7)	1250 (4 C) (2)	0269-SED08	11/12/2015 11:40	Field Sample

Sample(s) to be used for Lab QC: 0269-SED08-6-12 Tag 1250	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/12/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2093

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111215-170016-0015
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED09-0-6	MBC799	Sediment/ Region 2 SAT	Grab	TAL(7)	1258 (4 C) (1)	0269-SED09	11/12/2015 12:10	Field Sample
0269-SED09-12-24	MBC7A0	Sediment/ Region 2 SAT	Grab	TAL(7)	1266 (4 C) (1)	0269-SED09	11/12/2015 12:30	Field Sample
0269-SED09-6-12	MBC7A1	Sediment/ Region 2 SAT	Grab	TAL(7)	1262 (4 C) (1)	0269-SED09	11/12/2015 12:20	Field Sample
0269-SED10-0-6	MBC7A2	Sediment/ Region 2 SAT	Grab	TAL(7)	1270 (4 C) (1)	0269-SED10	11/12/2015 14:15	Field Sample
0269-SED10-12-24	MBC7A3	Sediment/ Region 2 SAT	Grab	TAL(7)	1278 (4 C) (1)	0269-SED10	11/12/2015 14:35	Field Sample
0269-SED10-6-12	MBC7A4	Sediment/ Region 2 SAT	Grab	TAL(7)	1274 (4 C) (1)	0269-SED10	11/12/2015 14:25	Field Sample
0269-SED22-6-12	MBC7H9	Sediment/ Region 2 SAT	Grab	TAL(7)	1450 (4 C) (1)	0269-SED07	11/12/2015 11:05	Field Duplicate
								DB

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/12/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2093

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111215-171101-0016
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED11-0-6	MBC7A5	Sediment/ Region 2 SAT	Grab	TAL(7)	1282 (4 C) (1)	0269-SED11	11/12/2015 15:00	Field Sample
0269-SED11-12-24	MBC7A6	Sediment/ Region 2 SAT	Grab	TAL(7)	1290 (4 C) (1)	0269-SED11	11/12/2015 15:20	Field Sample
0269-SED11-6-12	MBC7A7	Sediment/ Region 2 SAT	Grab	TAL(7)	1286 (4 C) (1)	0269-SED11	11/12/2015 15:10	Field Sample
0269-SED12-0-6	MBC7A8	Sediment/ Region 2 SAT	Grab	TAL(7)	1294 (4 C) (1)	0269-SED12	11/12/2015 16:00	Field Sample
0269-SED12-12-24	MBC7A9	Sediment/ Region 2 SAT	Grab	TAL(7)	1302 (4 C) (1)	0269-SED12	11/12/2015 16:20	Field Sample
0269-SED12-6-12	MBC7B0	Sediment/ Region 2 SAT	Grab	TAL(7)	1298 (4 C) (1)	0269-SED12	11/12/2015 16:10	Field Sample
0269-SED19-0-6	MBC7C9	Sediment/ Region 2 SAT	Grab	TAL(7)	1378 (4 C) (2)	0269-SED19	11/12/2015 15:30	Field Sample
0269-SED19-12-24	MBC7D0	Sediment/ Region 2 SAT	Grab	TAL(7)	1386 (4 C) (1)	0269-SED19	11/12/2015 15:50	Field Sample
0269-SED19-6-12	MBC7D1	Sediment/ Region 2 SAT	Grab	TAL(7)	1382 (4 C) (1)	0269-SED19	11/12/2015 15:40	Field Sample

Sample(s) to be used for Lab QC: 0269-SED19-0-6 Tag 1378 - Special Instructions: MS/MSD: 0269-SED19-0-6 CLP No.: MBC7C9	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Derek Beem/WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA
DateShipped: 11/12/2015
CarrierName: 8541 0029 4129
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111215-172125-0017
Cooler #: 1
Lab: Test America Laboratories
Lab Phone: 330-497-9396

Lab #	Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-RIN04	Methyl Mercury	DI Water	11/12/2015	08:00	3	40-mL VOA Vial	HCl to pH<2	N
	0269-SED07-12-24	Methyl Mercury	Sediment	11/12/2015	11:10	1	4-oz. glass jar	4 C	N
	0269-SED07A-12-24	Methyl Mercury	Sediment	11/12/2015	11:15	1	4-oz. glass jar	4 C	N
	0269-SED08-12-24	Methyl Mercury	Sediment	11/12/2015	11:50	1	4-oz. glass jar	4 C	N
	0269-SED09-12-24	Methyl Mercury	Sediment	11/12/2015	12:30	1	4-oz. glass jar	4 C	N
	0269-SED10-12-24	Methyl Mercury	Sediment	11/12/2015	14:35	1	4-oz. glass jar	4 C	N
	0269-SED11-12-24	Methyl Mercury	Sediment	11/12/2015	15:20	3	4-oz. glass jar	4 C	Y

DB

Special Instructions: PO#: 0089956 MS/MSD: 0269-SED11-12-24.
PO Complete.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/12/15 1800	FEDEX	11/12/15 1800	

USEPA

DateShipped: 11/13/2015

CarrierName: FedEx

AirbillNo: 804467752016

CHAIN OF CUSTODY RECORD

Site #: A25J

Contact Name: Denise Breen

Contact Phone: 732-417-5814

No: 2-111315-085945-0018

Cooler #: 1

Lab: TestAmerica Laboratories, Inc - South Burlington

Lab Phone: 802-660-1990

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED01-12-24	0269-SED01	Total Organic Carbon	Sediment	11/11/2015	14:00	1	4-oz. glass jar	4 C	N
	0269-SED01-6-12	0269-SED01	Total Organic Carbon	Sediment	11/11/2015	13:45	1	4-oz. glass jar	4 C	N
	0269-SED02-0-6	0269-SED02	Total Organic Carbon	Sediment	11/11/2015	15:00	1	4-oz. glass jar	4 C	N
	0269-SED02-12-24	0269-SED02	Total Organic Carbon	Sediment	11/11/2015	15:30	1	4-oz. glass jar	4 C	N
	0269-SED02-6-12	0269-SED02	Total Organic Carbon	Sediment	11/11/2015	15:20	1	4-oz. glass jar	4 C	N
	0269-SED03-0-6	0269-SED03	Total Organic Carbon	Sediment	11/11/2015	17:00	1	4-oz. glass jar	4 C	N
	0269-SED03-12-24	0269-SED03	Total Organic Carbon	Sediment	11/11/2015	17:20	1	4-oz. glass jar	4 C	N
	0269-SED03-6-12	0269-SED03	Total Organic Carbon	Sediment	11/11/2015	17:10	1	4-oz. glass jar	4 C	N
	0269-SED04-0-6	0269-SED04	Total Organic Carbon	Sediment	11/11/2015	16:25	1	4-oz. glass jar	4 C	N
	0269-SED04-12-24	0269-SED04	Total Organic Carbon	Sediment	11/11/2015	16:35	1	4-oz. glass jar	4 C	N
	0269-SED04-6-12	0269-SED04	Total Organic Carbon	Sediment	11/11/2015	16:30	1	4-oz. glass jar	4 C	N
	0269-SED05-0-6	0269-SED05	Total Organic Carbon	Sediment	11/11/2015	17:35	1	4-oz. glass jar	4 C	N
	0269-SED05-12-24	0269-SED05	Total Organic Carbon	Sediment	11/11/2015	17:55	1	4-oz. glass jar	4 C	N
	0269-SED05-6-12	0269-SED05	Total Organic Carbon	Sediment	11/11/2015	17:45	1	4-oz. glass jar	4 C	N

Special Instructions: PO #: 0089956.	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA

DateShipped: 11/13/2015

CarrierName: FedEx

AirbillNo: 804467752016

CHAIN OF CUSTODY RECORD

Site #: A25J

Contact Name: Denise Breen

Contact Phone: 732-417-5814

No: 2-111315-085945-0018

Cooler #: 1

Lab: TestAmerica Laboratories, Inc - South Burlington

Lab Phone: 802-660-1990

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED06-0-6	0269-SED06	Total Organic Carbon	Sediment	11/12/2015	10:00	1	4-oz. glass jar	4 C	N
	0269-SED06-12-24	0269-SED06	Total Organic Carbon	Sediment	11/12/2015	10:20	1	4-oz. glass jar	4 C	N
	0269-SED06-6-12	0269-SED06	Total Organic Carbon	Sediment	11/12/2015	10:10	1	4-oz. glass jar	4 C	N
	0269-SED07-0-6	0269-SED07	Total Organic Carbon	Sediment	11/12/2015	10:45	1	4-oz. glass jar	4 C	N
	0269-SED07-12-24	0269-SED07	Total Organic Carbon	Sediment	11/12/2015	11:10	1	4-oz. glass jar	4 C	N
	0269-SED07-6-12	0269-SED07	Total Organic Carbon	Sediment	11/12/2015	10:55	1	4-oz. glass jar	4 C	N
	0269-SED01-0-6	0269-SED01	Total Organic Carbon	Sediment	11/11/15	13:35	1	4 oz. glass jar	4C	N

DB 11/13/15

Special Instructions: PO #: 0089956.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA
DateShipped: 11/13/2015
CarrierName: FedEx
AirbillNo: 8065 05726211

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111315-091945-0019
Cooler #: 1
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED07-0-6	0269-SED07	Grain Size Distribution	Sediment	11/12/2015	10:45	1	16-oz. glass jar	N/A	N
	0269-SED07-12-24	0269-SED07	Grain Size Distribution	Sediment	11/12/2015	11:10	1	16-oz. glass jar	N/A	N
	0269-SED07-12-24	0269-SED07	Dioxins/Furans	Sediment	11/12/2015	11:10	1	8-oz. glass jar	4 C	N
	0269-SED07-6-12	0269-SED07	Grain Size Distribution	Sediment	11/12/2015	10:55	1	16-oz. glass jar	N/A	N
	0269-SED07A-12-24	0269-SED07	Dioxins/Furans	Sediment	11/12/2015	11:15	1	8-oz. glass jar	4 C	N
	0269-SED08-0-6	0269-SED08	Grain Size Distribution	Sediment	11/12/2015	11:30	1	16-oz. glass jar	N/A	N
	0269-SED08-12-24	0269-SED08	Grain Size Distribution	Sediment	11/12/2015	11:50	1	16-oz. glass jar	N/A	N
	0269-SED08-6-12	0269-SED08	Grain Size Distribution	Sediment	11/12/2015	11:40	1	16-oz. glass jar	N/A	N
	0269-SED09-0-6	0269-SED09	Grain Size Distribution	Sediment	11/12/2015	12:10	1	16-oz. glass jar	N/A	N
	0269-SED09-12-24	0269-SED09	Grain Size Distribution	Sediment	11/12/2015	12:30	1	16-oz. glass jar	N/A	N
	0269-SED09-6-12	0269-SED09	Grain Size Distribution	Sediment	11/12/2015	12:20	1	16-oz. glass jar	N/A	N
	0269-SED10-0-6	0269-SED10	Grain Size Distribution	Sediment	11/12/2015	14:15	1	16-oz. glass jar	N/A	N
	0269-SED10-12-24	0269-SED10	Grain Size Distribution	Sediment	11/12/2015	14:35	1	16-oz. glass jar	N/A	N
	0269-SED10-6-12	0269-SED10	Grain Size Distribution	Sediment	11/12/2015	14:25	1	16-oz. glass jar	N/A	N

Special Instructions: PO #: 0089959	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA
DateShipped: 11/13/2015
CarrierName: FedEx
AirbillNo: 8065 05726211

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111315-091945-0019
Cooler #: 1
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED11-0-6	0269-SED11	Grain Size Distribution	Sediment	11/12/2015	15:00	1	16-oz. glass jar	N/A	N
	0269-SED11-12-24	0269-SED11	Grain Size Distribution	Sediment	11/12/2015	15:20	1	16-oz. glass jar	N/A	N
	0269-SED11-12-24	0269-SED11	Dioxins/Furans	Sediment	11/12/2015	15:20	2	8-oz. glass jar	4 C	Y
	0269-SED11-6-12	0269-SED11	Grain Size Distribution	Sediment	11/12/2015	15:10	1	16-oz. glass jar	N/A	N

DB

Special Instructions: PO #: 0089959	
	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/13/2015
Carrier Name: FedEx
AirbillNo 8044 6775 1970

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler #: 1

No: 2-111315-105245-0020
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SW09	BC7G3	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1140 (HCl to pH<2), 1141 (4 C) (5)	0269-SW09	11/13/2015 08:35	Field Sample
0269-SW10	BC7G4	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1143 (HCl to pH<2), 1144 (4 C) (5)	0269-SW10	11/13/2015 09:00	Field Sample
0269-SW11	BC7G5	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1146 (HCl to pH<2), 1147 (4 C) (5)	0269-SW11	11/13/2015 09:15	Field Sample
0269-SW12	BC7G6	Surface Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1149 (HCl to pH<2), 1150 (4 C) (5)	0269-SW11	11/13/2015 09:20	Field Duplicate
0269-TB02	BC7G9	DI Water/ Region 2 SAT	Grab	VOC(7)	1417 (HCl to pH<2) (3)	N/A	11/13/2015 08:15	Trip Blank

DB

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/13/2015
Carrier Name: FedEx
Airbill No: 8044 6775 2027

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111315-131828-0021
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED13-0-6	MBC7B1	Sediment/ Region 2 SAT	Grab	TAL(7)	1306 (4 C) (1)	0269-SED13	11/13/2015 11:45	Field Sample
0269-SED13-12-24	MBC7B2	Sediment/ Region 2 SAT	Grab	TAL(7)	1314 (4 C) (1)	0269-SED13	11/13/2015 12:05	Field Sample
0269-SED13-6-12	MBC7B3	Sediment/ Region 2 SAT	Grab	TAL(7)	1310 (4 C) (1)	0269-SED13	11/13/2015 11:55	Field Sample
0269-SED14-0-6	MBC7B4	Sediment/ Region 2 SAT	Grab	TAL(7)	1318 (4 C) (1)	0269-SED14	11/13/2015 12:20	Field Sample
0269-SED14-6-12	MBC7B6	Sediment/ Region 2 SAT	Grab	TAL(7)	1322 (4 C) (1)	0269-SED14	11/13/2015 12:30	Field Sample
0269-SW09	MBC7G3	Surface Water/ Region 2 SAT	Grab	TAL(7)	1142 (HNO3 to pH<2) (1)	0269-SW09	11/13/2015 08:35	Field Sample
0269-SW10	MBC7G4	Surface Water/ Region 2 SAT	Grab	TAL(7)	1145 (HNO3 to pH<2) (1)	0269-SW10	11/13/2015 09:00	Field Sample
0269-SW11	MBC7G5	Surface Water/ Region 2 SAT	Grab	TAL(7)	1148 (HNO3 to pH<2) (1)	0269-SW11	11/13/2015 09:15	Field Sample
0269-SW12	MBC7G6	Surface Water/ Region 2 SAT	Grab	TAL(7)	1151 (HNO3 to pH<2) (1)	0269-SW11	11/13/2015 09:20	Field Duplicate
0269-SED22-12-24	MBC7H8	Sediment/ Region 2 SAT	Grab	TAL(7)	1454 (4 C) (1)	0269-SED13	11/13/2015 12:15	Field Duplicate

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/23/15 1530	FEDEX	11/13/15 1530	

USEPA

DateShipped: 11/13/2015

CarrierName: FedEx

AirbillNo: 8044 6775 2016

CHAIN OF CUSTODY RECORD

Site #: A25J

Contact Name: Denise Breen

Contact Phone: 732-417-5814

No: 2-111315-134059-0022

Cooler #: 2

Lab: TestAmerica Laboratories, Inc - South Burlington

Lab Phone: 802-660-1990

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED08-0-6	0269-SED08	Total Organic Carbon	Sediment	11/12/2015	11:30	1	4-oz. glass jar	4 C	N
	0269-SED08-12-24	0269-SED08	Total Organic Carbon	Sediment	11/12/2015	11:50	1	4-oz. glass jar	4 C	N
	0269-SED08-6-12	0269-SED08	Total Organic Carbon	Sediment	11/12/2015	11:40	1	4-oz. glass jar	4 C	N
	0269-SED09-0-6	0269-SED09	Total Organic Carbon	Sediment	11/12/2015	12:10	1	4-oz. glass jar	4 C	N
	0269-SED09-12-24	0269-SED09	Total Organic Carbon	Sediment	11/12/2015	12:30	1	4-oz. glass jar	4 C	N
	0269-SED09-6-12	0269-SED09	Total Organic Carbon	Sediment	11/12/2015	12:20	1	4-oz. glass jar	4 C	N
	0269-SED10-0-6	0269-SED10	Total Organic Carbon	Sediment	11/12/2015	14:15	1	4-oz. glass jar	4 C	N
	0269-SED10-12-24	0269-SED10	Total Organic Carbon	Sediment	11/12/2015	14:35	1	4-oz. glass jar	4 C	N
	0269-SED10-6-12	0269-SED10	Total Organic Carbon	Sediment	11/12/2015	14:25	1	4-oz. glass jar	4 C	N
	0269-SED11-0-6	0269-SED11	Total Organic Carbon	Sediment	11/12/2015	15:00	1	4-oz. glass jar	4 C	N
	0269-SED11-12-24	0269-SED11	Total Organic Carbon	Sediment	11/12/2015	15:20	1	4-oz. glass jar	4 C	N
	0269-SED11-6-12	0269-SED11	Total Organic Carbon	Sediment	11/12/2015	15:10	1	4-oz. glass jar	4 C	N
	0269-SED12-0-6	0269-SED12	Total Organic Carbon	Sediment	11/12/2015	16:00	1	4-oz. glass jar	4 C	N
	0269-SED12-12-24	0269-SED12	Total Organic Carbon	Sediment	11/12/2015	16:20	1	4-oz. glass jar	4 C	N

Special Instructions: PO#: 0089956	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA

DateShipped: 11/13/2015

CarrierName: FedEx

AirbillNo: 8044 6775 2016

CHAIN OF CUSTODY RECORD

Site #: A25J

Contact Name: Denise Breen

Contact Phone: 732-417-5814

No: 2-111315-134059-0022

Cooler #: 2

Lab: TestAmerica Laboratories, Inc - South Burlington

Lab Phone: 802-660-1990

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED12-6-12	0269-SED12	Total Organic Carbon	Sediment	11/12/2015	16:10	1	4-oz. glass jar	4 C	N
	0269-SED13-0-6	0269-SED13	Total Organic Carbon	Sediment	11/13/2015	11:45	1	4-oz. glass jar	4 C	N
	0269-SED13-12-24	0269-SED13	Total Organic Carbon	Sediment	11/13/2015	12:05	1	4-oz. glass jar	4 C	N
	0269-SED13-6-12	0269-SED13	Total Organic Carbon	Sediment	11/13/2015	11:55	1	4-oz. glass jar	4 C	N
	0269-SED14-0-6	0269-SED14	Total Organic Carbon	Sediment	11/13/2015	12:20	1	4-oz. glass jar	4 C	N
	0269-SED14-6-12	0269-SED14	Total Organic Carbon	Sediment	11/13/2015	12:30	1	4-oz. glass jar	4 C	N
	0269-SED19-0-6	0269-SED19	Total Organic Carbon	Sediment	11/12/2015	15:30	1	4-oz. glass jar	4 C	N
	0269-SED19-12-24	0269-SED19	Total Organic Carbon	Sediment	11/12/2015	15:50	1	4-oz. glass jar	4 C	N
	0269-SED19-6-12	0269-SED19	Total Organic Carbon	Sediment	11/12/2015	15:40	1	4-oz. glass jar	4 C	N

123

Special Instructions: PO#: 0089956

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA
DateShipped: 11/13/2015
CarrierName: FedEx
AirbillNo: 8065 0572 6211

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111315-135232-0023
Cooler #: 2
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED12-0-6	0269-SED12	Grain Size Distribution	Sediment	11/12/2015	16:00	1	16-oz. glass jar	N/A	N
	0269-SED12-12-24	0269-SED12	Grain Size Distribution	Sediment	11/12/2015	16:20	1	16-oz. glass jar	N/A	N
	0269-SED12-12-24	0269-SED12	Dioxins/Furans	Sediment	11/12/2015	16:20	1	8-oz. glass jar	4 C	N
	0269-SED12-6-12	0269-SED12	Grain Size Distribution	Sediment	11/12/2015	16:10	1	16-oz. glass jar	N/A	N
	0269-SED13-0-6	0269-SED13	Grain Size Distribution	Sediment	11/13/2015	11:45	1	16-oz. glass jar	N/A	N
	0269-SED13-12-24	0269-SED13	Grain Size Distribution	Sediment	11/13/2015	12:05	1	16-oz. glass jar	N/A	N
	0269-SED13-12-24	0269-SED13	Dioxins/Furans	Sediment	11/13/2015	12:05	1	8-oz. glass jar	4 C	N
	0269-SED13-6-12	0269-SED13	Grain Size Distribution	Sediment	11/13/2015	11:55	1	16-oz. glass jar	N/A	N
	0269-SED14-0-6	0269-SED14	Grain Size Distribution	Sediment	11/13/2015	12:20	1	16-oz. glass jar	N/A	N
	0269-SED14-6-12	0269-SED14	Grain Size Distribution	Sediment	11/13/2015	12:30	1	16-oz. glass jar	N/A	N
	0269-SED14-6-12	0269-SED14	Dioxins/Furans	Sediment	11/13/2015	12:30	1	8-oz. glass jar	4 C	N
	0269-SED19-0-6	0269-SED19	Grain Size Distribution	Sediment	11/12/2015	15:30	1	16-oz. glass jar	N/A	N
	0269-SED19-12-24	0269-SED19	Grain Size Distribution	Sediment	11/12/2015	15:50	1	16-oz. glass jar	N/A	N
	0269-SED19-6-12	0269-SED19	Grain Size Distribution	Sediment	11/12/2015	15:40	1	16-oz. glass jar	N/A	N

Special Instructions:	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/13/2015
Carrier Name: FedEx
Airbill No: 8044 6775 1970

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111315-140141-0026
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED13-0-6	BC7B1	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1303 (4 C), 1304 (4 C), 1305 (4 C) (5)	0269-SED13	11/13/2015 11:45	Field Sample
0269-SED13-12-24	BC7B2	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1311 (4 C), 1312 (4 C), 1313 (4 C) (5)	0269-SED13	11/13/2015 12:05	Field Sample
0269-SED13-6-12	BC7B3	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1307 (4 C), 1308 (4 C), 1309 (4 C) (5)	0269-SED13	11/13/2015 11:55	Field Sample
0269-SED14-0-6	BC7B4	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1315 (4 C), 1316 (4 C), 1317 (4 C) (5)	0269-SED14	11/13/2015 12:20	Field Sample
0269-SED14-6-12	BC7B6	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1319 (4 C), 1320 (4 C), 1321 (4 C) (5)	0269-SED14	11/13/2015 12:30	Field Sample
0269-SED22-12-24	BC7H8	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1451 (4 C), 1452 (4 C), 1453 (4 C) (5)	0269-SED13	11/13/2015 12:15	Field Duplicate

DB

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/13/15 1530	FEDEX	11/13/15 1530	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/16/2015
Carrier Name: FedEx
Airbill No: 8088 5684 8449

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler #: 1 of 2

No: 2-111615-124342-0027
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED15-0-6	BC7B7	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1327 (4 C), 1328 (4 C), 1329 (4 C) (5)	0269-SED15	11/16/2015 09:50	Field Sample
0269-SED15-12-24	BC7B8	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1335 (4 C), 1336 (4 C), 1337 (4 C) (5)	0269-SED15	11/16/2015 10:10	Field Sample
0269-SED15-6-12	BC7B9	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1331 (4 C), 1332 (4 C), 1333 (4 C) (5)	0269-SED15	11/16/2015 10:00	Field Sample
0269-SED16-0-6	BC7C0	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1339 (4 C), 1340 (4 C), 1341 (4 C) (5)	0269-SED16	11/16/2015 10:30	Field Sample
0269-SED16-12-24	BC7C1	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1347 (4 C), 1348 (4 C), 1349 (4 C) (5)	0269-SED16	11/16/2015 10:50	Field Sample
0269-SED16-6-12	BC7C2	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1343 (4 C), 1344 (4 C), 1345 (4 C) (5)	0269-SED16	11/16/2015 10:40	Field Sample
0269-SED17-0-6	BC7C3	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1351 (4 C), 1352 (4 C), 1353 (4 C) (5)	0269-SED17	11/16/2015 11:40	Field Sample
0269-SED17-12-24	BC7C4	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1359 (4 C), 1360 (4 C), 1361 (4 C) (5)	0269-SED17	11/16/2015 12:00	Field Sample
0269-SED17-6-12	BC7C5	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1355 (4 C), 1356 (4 C), 1357 (4 C) (5)	0269-SED17	11/16/2015 11:50	Field Sample
0269-SED23-0-6	BC7J0	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1459 (4 C), 1460 (4 C), 1461 (4 C) (5)	0269-SED15	11/16/2015 09:55	Field Duplicate

Special Instructions:	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=Organic TAL VOCs, %M=Percent Moisture, SVOC=Organic TAL SVOCs	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green / WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/16/2015
Carrier Name: FedEx
Airbill No: 8088 5684 8449

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717
Cooler #: 2 of 2

No: 2-111615-154058-0028
Lab: Chemtech Consulting Group
Lab Contact: Divya Mehta
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN05	BC764	DI Water/ Region 2 SAT	Grab	VOC(7), SVOC(7)	1408 (HCl to pH<2), 1409 (4 C) (5)	N/A	11/16/2015 12:15	Rinsate Blank
0269-SED18-0-6	BC7C6	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1363 (4 C), 1364 (4 C), 1365 (4 C) (5)	0269-SED18	11/16/2015 12:15	Field Sample
0269-SED18-12-24	BC7C7	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1371 (4 C), 1372 (4 C), 1373 (4 C) (5)	0269-SED18	11/16/2015 12:35	Field Sample
0269-SED18-6-12	BC7C8	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1367 (4 C), 1368 (4 C), 1369 (4 C) (5)	0269-SED18	11/16/2015 12:25	Field Sample
0269-SED20-0-6	BC7D2	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1387 (4 C), 1388 (4 C), 1389 (4 C) (5)	0269-SED20	11/16/2015 16:00	Field Sample
0269-SED20-12-24	BC7D3	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1395 (4 C), 1396 (4 C), 1397 (4 C) (5)	0269-SED20	11/16/2015 16:20	Field Sample
0269-SED20-6-12	BC7D4	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1391 (4 C), 1392 (4 C), 1393 (4 C) (5)	0269-SED20	11/16/2015 16:10	Field Sample
0269-SED21-0-6	BC7H4	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1431 (4 C), 1432 (4 C), 1433 (4 C) (5)	0269-SED21	11/16/2015 16:30	Field Sample
0269-SED21-12-24	BC7H5	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1439 (4 C), 1440 (4 C), 1441 (4 C) (5)	0269-SED21	11/16/2015 16:50	Field Sample
0269-SED21-6-12	BC7H6	Sediment/ Region 2 SAT	Grab	VOC(7), %M(7), SVOC(7)	1435 (4 C), 1436 (4 C), 1437 (4 C) (5)	0269-SED21	11/16/2015 16:40	Field Sample

Special Instructions:

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Analysis Key: VOC=Organic TAL VOCs, SVOC=Organic TAL SVOCs, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Brown / WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA CLP COC (REGION COPY)

Date Shipped: 11/16/2015
Carrier Name: FedEx
Airbill No: 8088 5684 8438

CHAIN OF CUSTODY RECORD

R02_Wappinger Creek/NY
Case #: 45717

No: 2-111615-154640-0029

Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-RIN05	MBC764	DI Water/ Region 2 SAT	Grab	TAL(7)	1410 (HNO3 to pH<2) (1)	N/A	11/16/2015 12:15	Rinsate Blank
0269-SED15-0-6	MBC7B7	Sediment/ Region 2 SAT	Grab	TAL(7)	1330 (4 C) (1)	0269-SED15	11/16/2015 09:50	Field Sample
0269-SED15-12-24	MBC7B8	Sediment/ Region 2 SAT	Grab	TAL(7)	1338 (4 C) (2)	0269-SED15	11/16/2015 10:10	Field Sample
0269-SED15-6-12	MBC7B9	Sediment/ Region 2 SAT	Grab	TAL(7)	1334 (4 C) (1)	0269-SED15	11/16/2015 10:00	Field Sample
0269-SED16-0-6	MBC7C0	Sediment/ Region 2 SAT	Grab	TAL(7)	1342 (4 C) (1)	0269-SED16	11/16/2015 10:30	Field Sample
0269-SED16-12-24	MBC7C1	Sediment/ Region 2 SAT	Grab	TAL(7)	1350 (4 C) (1)	0269-SED16	11/16/2015 10:50	Field Sample
0269-SED16-6-12	MBC7C2	Sediment/ Region 2 SAT	Grab	TAL(7)	1346 (4 C) (1)	0269-SED16	11/16/2015 10:40	Field Sample
0269-SED17-0-6	MBC7C3	Sediment/ Region 2 SAT	Grab	TAL(7)	1354 (4 C) (1)	0269-SED17	11/16/2015 11:40	Field Sample
0269-SED17-12-24	MBC7C4	Sediment/ Region 2 SAT	Grab	TAL(7)	1362 (4 C) (1)	0269-SED17	11/16/2015 12:00	Field Sample
0269-SED17-6-12	MBC7C5	Sediment/ Region 2 SAT	Grab	TAL(7)	1358 (4 C) (1)	0269-SED17	11/16/2015 11:50	Field Sample

Sample(s) to be used for Lab QC: 0269-SED15-12-24 Tag 1338 - Special Instructions: MS/MSD: 0269-SED15-12-24 (CLP No.: MBC7B8)	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 11/16/2015
Carrier Name: FedEx
Airbill No: 8088 5684 8438

CHAIN OF CUSTODY RECORD
R02_Wappinger Creek/NY
Case #: 45717

No: 2-111615-154640-0029
Lab: Shealy Environmental Services
Lab Contact: Robert Zhu
Lab Phone: 803-791-9700

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
0269-SED18-0-6	MBC7C6	Sediment/ Region 2 SAT	Grab	TAL(7)	1366 (4 C) (1)	0269-SED18	11/16/2015 12:15	Field Sample
0269-SED18-12-24	MBC7C7	Sediment/ Region 2 SAT	Grab	TAL(7)	1374 (4 C) (1)	0269-SED18	11/16/2015 12:35	Field Sample
0269-SED18-6-12	MBC7C8	Sediment/ Region 2 SAT	Grab	TAL(7)	1370 (4 C) (1)	0269-SED18	11/16/2015 12:25	Field Sample
0269-SED20-0-6	MBC7D2	Sediment/ Region 2 SAT	Grab	TAL(7)	1390 (4 C) (1)	0269-SED20	11/16/2015 16:00	Field Sample
0269-SED20-12-24	MBC7D3	Sediment/ Region 2 SAT	Grab	TAL(7)	1398 (4 C) (1)	0269-SED20	11/16/2015 16:20	Field Sample
0269-SED20-6-12	MBC7D4	Sediment/ Region 2 SAT	Grab	TAL(7)	1394 (4 C) (1)	0269-SED20	11/16/2015 16:10	Field Sample
0269-SED21-0-6	MBC7H4	Sediment/ Region 2 SAT	Grab	TAL(7)	1434 (4 C) (1)	0269-SED21	11/16/2015 16:30	Field Sample
0269-SED21-12-24	MBC7H5	Sediment/ Region 2 SAT	Grab	TAL(7)	1442 (4 C) (1)	0269-SED21	11/16/2015 16:50	Field Sample
0269-SED21-6-12	MBC7H6	Sediment/ Region 2 SAT	Grab	TAL(7)	1438 (4 C) (1)	0269-SED21	11/16/2015 16:40	Field Sample
0269-SED23-0-6	MBC7J0	Sediment/ Region 2 SAT	Grab	TAL(7)	1462 (4 C) (1)	0269-SED15	11/16/2015 09:55	Field Duplicate

Special Instructions: MS/MSD: 0269-SED15-12-24 (CLP No.: MBC7B8)	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Inorganics (incl. Hg)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Green/WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA

DateShipped: 11/16/2015

CarrierName: FedEx

AirbillNo: 8088 5684 8460

CHAIN OF CUSTODY RECORD

Site #: A25J

Contact Name: Denise Breen

Contact Phone: 732-417-5814

No: 2-111615-155811-0030

Cooler #: 1 of 1

Lab: TestAmerica Laboratories, Inc - South Burlington

Lab Phone: 802-660-1990

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED15-0-6	0269-SED15	Total Organic Carbon	Sediment	11/16/2015	09:50	1	4-oz. glass jar	4 C	N
	0269-SED15-12-24	0269-SED15	Total Organic Carbon	Sediment	11/16/2015	10:10	1	4-oz. glass jar	4 C	N
	0269-SED15-6-12	0269-SED15	Total Organic Carbon	Sediment	11/16/2015	10:00	1	4-oz. glass jar	4 C	N
	0269-SED16-0-6	0269-SED16	Total Organic Carbon	Sediment	11/16/2015	10:30	1	4-oz. glass jar	4 C	N
	0269-SED16-12-24	0269-SED16	Total Organic Carbon	Sediment	11/16/2015	10:50	1	4-oz. glass jar	4 C	N
	0269-SED16-6-12	0269-SED16	Total Organic Carbon	Sediment	11/16/2015	10:40	1	4-oz. glass jar	4 C	N
	0269-SED17-0-6	0269-SED17	Total Organic Carbon	Sediment	11/16/2015	11:40	1	4-oz. glass jar	4 C	N
	0269-SED17-12-24	0269-SED17	Total Organic Carbon	Sediment	11/16/2015	12:00	1	4-oz. glass jar	4 C	N
	0269-SED17-6-12	0269-SED17	Total Organic Carbon	Sediment	11/16/2015	11:50	1	4-oz. glass jar	4 C	N
	0269-SED18-0-6	0269-SED18	Total Organic Carbon	Sediment	11/16/2015	12:15	1	4-oz. glass jar	4 C	N
	0269-SED18-12-24	0269-SED18	Total Organic Carbon	Sediment	11/16/2015	12:35	1	4-oz. glass jar	4 C	N
	0269-SED18-6-12	0269-SED18	Total Organic Carbon	Sediment	11/16/2015	12:25	1	4-oz. glass jar	4 C	N
	0269-SED20-0-6	0269-SED20	Total Organic Carbon	Sediment	11/16/2015	16:00	1	4-oz. glass jar	4 C	N
	0269-SED20-12-24	0269-SED20	Total Organic Carbon	Sediment	11/16/2015	16:20	1	4-oz. glass jar	4 C	N

Special Instructions: PO #:0089956 - Wappinger Creek	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen/WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA

DateShipped: 11/16/2015

CarrierName: FedEx

AirbillNo: 8088 5684 8460

CHAIN OF CUSTODY RECORD

Site #: A25J

Contact Name: Denise Breen

Contact Phone: 732-417-5814

No: 2-111615-155811-0030

Cooler #: 1 of 1

Lab: TestAmerica Laboratories, Inc - South Burlington

Lab Phone: 802-660-1990

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED20-6-12	0269-SED20	Total Organic Carbon	Sediment	11/16/2015	16:10	1	4-oz. glass jar	4 C	N
	0269-SED21-0-6	0269-SED21	Total Organic Carbon	Sediment	11/16/2015	16:30	1	4-oz. glass jar	4 C	N
	0269-SED21-12-24	0269-SED21	Total Organic Carbon	Sediment	11/16/2015	16:50	1	4-oz. glass jar	4 C	N
	0269-SED21-6-12	0269-SED21	Total Organic Carbon	Sediment	11/16/2015	16:40	1	4-oz. glass jar	4 C	N

Special Instructions: PO #:0089956 - Wappinger Creek	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA
DateShipped: 11/16/2015
CarrierName: FedEx
AirbillNo: 8088 5684 8450

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111615-160332-0031
Cooler #: 1 of 1
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED15-0-6	0269-SED15	Grain Size Distribution	Sediment	11/16/2015	09:50	1	16-oz. glass jar	N/A	N
	0269-SED15-12-24	0269-SED15	Grain Size Distribution	Sediment	11/16/2015	10:10	1	16-oz. glass jar	N/A	N
	0269-SED15-6-12	0269-SED15	Grain Size Distribution	Sediment	11/16/2015	10:00	1	16-oz. glass jar	N/A	N
	0269-SED16-0-6	0269-SED16	Grain Size Distribution	Sediment	11/16/2015	10:30	1	16-oz. glass jar	N/A	N
	0269-SED16-12-24	0269-SED16	Grain Size Distribution	Sediment	11/16/2015	10:50	1	16-oz. glass jar	N/A	N
	0269-SED16-6-12	0269-SED16	Grain Size Distribution	Sediment	11/16/2015	10:40	1	16-oz. glass jar	N/A	N
	0269-SED17-0-6	0269-SED17	Grain Size Distribution	Sediment	11/16/2015	11:40	1	16-oz. glass jar	N/A	N
	0269-SED17-12-24	0269-SED17	Grain Size Distribution	Sediment	11/16/2015	12:00	1	16-oz. glass jar	N/A	N
	0269-SED17-6-12	0269-SED17	Grain Size Distribution	Sediment	11/16/2015	11:50	1	16-oz. glass jar	N/A	N
	0269-SED18-0-6	0269-SED18	Grain Size Distribution	Sediment	11/16/2015	12:15	1	16-oz. glass jar	N/A	N
	0269-SED18-12-24	0269-SED18	Grain Size Distribution	Sediment	11/16/2015	12:35	1	16-oz. glass jar	N/A	N
	0269-SED18-6-12	0269-SED18	Grain Size Distribution	Sediment	11/16/2015	12:25	1	16-oz. glass jar	N/A	N
	0269-SED20-0-6	0269-SED20	Grain Size Distribution	Sediment	11/16/2015	16:00	1	16-oz. glass jar	N/A	N
	0269-SED20-12-24	0269-SED20	Grain Size Distribution	Sediment	11/16/2015	16:20	1	16-oz. glass jar	N/A	N
	0269-SED20-6-12	0269-SED20	Grain Size Distribution	Sediment	11/16/2015	16:10	1	16-oz. glass jar	N/A	N

Special Instructions: PO #: 0089959 - Wappinger Creek	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen/WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

USEPA
DateShipped: 11/16/2015
CarrierName: FedEx
AirbillNo: 8088 5684 8450

CHAIN OF CUSTODY RECORD
Site #: A25J
Contact Name: Denise Breen
Contact Phone: 732-417-5814

No: 2-111615-160332-0031
Cooler #: 1 of 1
Lab: Eurofins Environmental
Lab Phone: 717-656-2300

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	Lab QC
	0269-SED21-0-6	0269-SED21	Grain Size Distribution	Sediment	11/16/2015	16:30	1	16-oz. glass jar	N/A	N
	0269-SED21-12-24	0269-SED21	Grain Size Distribution	Sediment	11/16/2015	16:50	1	16-oz. glass jar	N/A	N
	0269-SED21-6-12	0269-SED21	Grain Size Distribution	Sediment	11/16/2015	16:40	1	16-oz. glass jar	N/A	N

Special Instructions: PO #: 0089959 - Wappinger Creek	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Sampling	Denise Breen / WESTON	11/16/15 1800	FEDEX	11/16/15 1800	

FedEx Express US Airbill

FedEx Tracking Number 8750 6337 1315

Form ID No. 0200 **Sender's Copy**

1 From *Please print and press hard.*

Date 10/29/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Scott Snyder Phone (973) 219-7394

Company Weston Solutions, Inc.

Address 205 Campus Drive Dept/Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Snehal Mehta Phone (908) 789-8900

Company Chemtech Consulting Group

Address 284 Sheffield St Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Learn to pack like a pro at fedex.com/packaging
Or let our pros pack for you with FedEx Office℠ Pack & Ship.

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.*
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak and FedEx Large Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [x] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
2	96 lbs.	$ ____ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express US Airbill

FedEx Tracking Number 8715 6304 5741

Form ID No. 0200 **Sender's Copy**

1 From *Please print and press hard.*

Date 10/30/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Scott Snyder Phone (973) 219-7394

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference 20408.016.004.0269.00
First 24 characters will appear on invoice.

3 To

Recipient's Name Snehal Mehta Phone (908) 789-8900

Company Chemtech Consulting

☐ HOLD Weekday Print FedEx location address below. NOT available for FedEx First Overnight.

☐ HOLD Saturday Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 284 Sheffield St
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address
Print FedEx location address here if a HOLD option is selected.

City Mountainside State NJ ZIP 07092

Find drop-off locations at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

☒ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.

☐ FedEx First Overnight Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

☐ FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

☐ FedEx 1Day Freight Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

CALL 1 800 332.0807
FedEx 1Day Freight Booking No.

☐ FedEx 2Day Freight Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 3Day Freight Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☒ SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

☐ No Signature Required Package may be left without obtaining a signature for delivery.

☒ Direct Signature Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

☑ Sender Acct. No. in Section 1 will be billed. Enter FedEx Acct. No. or Credit Card No. below. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages Total Weight Total Declared Value†

____ ____ lbs. $____.00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

554

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RETAIN THIS COPY FOR YOUR RECORDS.

FedEx Express US Airbill

FedEx Tracking Number 8750 6337 1337

Form ID No. 0200 **Sender's Copy**

1 From *Please print and press hard.*

Date 10/30/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Scott Snyder Phone (973) 219-7394

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 204048.016.004.0269.00

3 To

Recipient's Name Brad Belding Phone (803) 791-9700

Company Sheely Environmental Services

Address 106 Vantage Point Dr. Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City West Columbia State SC ZIP 29172

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

☐ FedEx First Overnight — Earliest next business morning delivery to select locations.*

☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

☐ FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.

☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☒ SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☒ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

FedEx Acct. No. Credit Card No. Exp. Date

Total Packages ____ Total Weight ____ lbs. Total Declared Value† $ ____ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

606

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FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8044 6775 2185

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/10/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice 20408.016.004.0269.00

3 To Recipient's Name Snehal mehta Phone (908) 789 8900

Company Chemtech Consulting Group-CHM

Address 284 Sheffield St. Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service * To most locations.
NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.
☑ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 2 Total Weight 10870 lb. Total Declared Value† $ 100 .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

FedEx Express Package US Airbill

FedEx Tracking Number 8088 5685 0184

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/11/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Snehal mehta Phone (908) 789 8900

Company Chemtech Consulting Group-CHM

Address 284 Sheffield Street Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City mountainside State NJ ZIP 07092

☐ Hold Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ Hold Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

☑ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 _____ x _____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Credit Card No. 3672-5883-7 Exp. Date

Total Packages 2 Total Weight 87 lbs. Total Declared Value† $ _____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express Package US Airbill

FedEx Tracking Number 8088 5684 5233

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/11/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc

Address 205 Campus Drive Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Brad Belding Phone (803) 791 9700

Company Snealy Environmental Services, - EQI

Address 106 Vantage Point Drive Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City West Columbia State SC ZIP 29172

☐ Hold Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ Hold Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service • To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

☑ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 2 Total Weight 105 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express NEW Package US Airbill

FedEx Tracking Number 8044 6775 2082

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/12/15 Sender's FedEx Account Number 3672 5883 7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc

Address 205 Campus Drive

Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To Recipient's Name Snehal Mehta Phone (908) 789 8900

Company Chemtech Consulting Group - CHM

Address 284 Sheffield St.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 _____ x _____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672 5883 7 Exp. Date

Total Packages 3 Total Weight 141.5 lbs. Total Declared Value† $ 0 .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

644

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8044 6775 2093

Form ID No. 0200 **Sender's Copy**

1 From *Please print and press hard.*

Date 11/12/15 Sender's FedEx Account Number 3672 5883 7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions inc

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To Recipient's Name Brad Belding Phone (803) 791 9700

Company Shealy Environmental Services

Address 106 Vantage Point Drive Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City West Columbia State SC ZIP 29172

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service * To most locations.
NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [x] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. 3672 5883 7 Exp. Date

Total Packages	Total Weight	Total Declared Value†
2	74 lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

644

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

FedEx Express US Airbill

FedEx Tracking Number 8541 0029 4129

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/12/15 Sender's FedEx Account Number 3672 58837

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr.

Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Pat O'Meara Phone (330) 497 9396

Company TestAmerica North Canton

Recipient's Address 4101 Shuffel Street NW

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City North Canton State OH ZIP 44720

4a Express Package Service To add SATURDAY Delivery, see Section 6. *Packages up to 150 lbs.* * To most locations.

- [ ] FedEx Priority Overnight — Next business morning.*
- [x] FedEx Standard Overnight — Next business afternoon.*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.*
- [ ] FedEx 2Day — Second business day.*
- [ ] FedEx Express Saver — Third business day.*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service To add SATURDAY Delivery, see Section 6. *Packages over 150 lbs.* ** To most locations.

- [ ] FedEx 1Day Freight* — Next business day.**
- [ ] FedEx 2Day Freight — Second business day.**
- [ ] FedEx 3Day Freight — Third business day.**

* Call for Confirmation:

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes.
- [ ] HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. Credit Card No. 3672 58837 Exp. Date

Total Packages	Total Weight	Total Declared Value†
1		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 NEW Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [x] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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RETAIN THIS COPY FOR YOUR RECORDS.

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

Questions? Go to our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339.

FedEx Express US Airbill

FedEx Tracking Number 8715 6304 5763

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/12/15

Sender's FedEx Account Number 3672 5883 7 ENTER FEDEX ACCOUNT NUMBER ONLY

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Drive

Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference
First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name Sample Receiving Phone (732) 417 5814

Company Eurofins Lancaster

☐ HOLD Weekday — Print FedEx location address below. NOT available for FedEx First Overnight.

☐ HOLD Saturday — Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 2425 New Holland Pike

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Print FedEx location address here if a HOLD option is selected.

City Lancaster State PA ZIP 17601

Store your addresses at fedex.com
Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. *Packages over 150 lbs.*

- ☐ FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- CALL 1.800.332.0807 FedEx 1Day Freight Booking No.
- ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- ☐ FedEx Envelope*
- ☐ FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- ☐ FedEx Box
- ☐ FedEx Tube
- ☑ Other

6 Special Handling and Delivery Signature Options

- ☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- ☐ No Signature Required — Package may be left without obtaining a signature for delivery.
- ☑ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.

- ☑ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- ☐ Sender — Acct. No. in Section 1 will be billed.
- ☐ Recipient
- ☑ Third Party
- ☐ Credit Card
- ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672 5883 7 Exp. Date

Total Packages 1 Total Weight 68 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

554

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RETAIN THIS COPY FOR YOUR RECORDS.

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8044 6775 1970

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/13/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To Recipient's Name Snehal Mehta Phone (908) 789-8900

Company Chemtech Consulting Group

Address 284 Sheffield St. Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service * To most locations.
NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☑ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options

- ☑ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- ☐ No Signature Required — Package may be left without obtaining a signature for delivery.
- ☑ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

- ☑ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Credit Card No. 3672-5883-7 Exp. Date

Total Packages 2 Total Weight 103 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

644

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8044 6775 2027

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/13/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To Recipient's Name Brad Belding Phone (803) 791-9700

Company Shealy Environmental Services

Address 106 Vantage Point Drive Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City West Columbia State SC ZIP 29172

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service * To most locations.
NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☑ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options

☑ SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- ☐ No Signature Required — Package may be left without obtaining a signature for delivery.
- ☑ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

- ☑ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 1 Total Weight ____ lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

644

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8044 6775 2016

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/13/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417-5814

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To Recipient's Name R.J Lavigne Phone (802) 923 1024

Company TestAmerica Burlington

Address 30 Community Dr. Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City South Burlington State VT ZIP 05403

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service * To most locations.
NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☑ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options

☑ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?
One box must be checked.

☑ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 _____ x _____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Credit Card No. 3672-5883-7 Exp. Date

Total Packages 2 Total Weight 84 lbs. Total Declared Value† $ _____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

644

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FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8065 0572 6211

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/13/15 Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone ( )

Company Weston Solutions, Inc.

Address 205 Campus Dr. Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Sample Receiving Phone (717) 656 2300

Company Eurofins Lancaster

Address 2425 New Holland Pike Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Lancaster State PA ZIP 17601

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Easy new Peel-and-Stick airbill. No pouch needed.
Apply airbill directly to your package. See directions on back.

4 Express Package Service • To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☑ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options

☑ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- ☐ No Signature Required — Package may be left without obtaining a signature for delivery.
- ☑ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

- ☑ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg
- ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. Credit Card No. 3672-5883-7 Exp. Date

Total Packages	Total Weight	Total Declared Value†
2	199 lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express Package US Airbill

FedEx Tracking Number 8088 5684 8449

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/16/15

Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen

Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr.

Dept./Floor/Suite/Room

City Edison

State NJ

ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice.

20408.016.004.0269.00

3 To

Recipient's Name Snehal Mehta

Phone (908) 789-8900

Company Chemtech Consulting group

Address 284 Sheffield St.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City mountainside

State NJ

ZIP 07092

☐ Hold Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ Hold Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.

☑ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 2 Total Weight 78 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Tracking Number 8088 5684 8438

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/16/15

Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen

Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr.

Dept./Floor/Suite/Room

City Edison

State NJ

ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Brad Belding

Phone (803) 791-9700

Company Shealy Environmental Services

Address 106 Vantage Point Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City West Columbia

State SC

ZIP 29172

☐ Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 1 Total Weight 53 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Tracking Number 8088 5684 8460

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/16/15

Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen

Phone (732) 4175814

Company Weston Solutions, Inc.

Address 205 Campus Dr.

Dept./Floor/Suite/Room

City Edison

State NJ

ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice.

20408.016.004.0269.00

3 To

Recipient's Name R.J Lavigne

Phone (802) 923-1084

Company Test America Burlington

Address 30 Community Dr. SUITE 11

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City South Burlington

State VT

ZIP 05403

☐ Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ Hold Saturday — FedEx location address REQUIRED. AVAILABLE ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 1 Total Weight 39 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express Package US Airbill

FedEx Tracking Number 8088 5684 8450

Form ID No. 0200

Sender's Copy

1 From *Please print and press hard.*

Date 11/16/15

Sender's FedEx Account Number 3672-5883-7

Sender's Name Denise Breen Phone (732) 417 5814

Company Weston Solutions, Inc.

Address 205 Campus Dr.

Dept./Floor/Suite/Room

City Edison State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice. 20408.016.004.0269.00

3 To

Recipient's Name Sample Receiving Phone (717) 656 2300

Company Eurofins Lancaster Laboratories

Address 2425 New Holland Pike

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Lancaster State PA ZIP 17601

☐ Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

4 Express Package Service * To most locations.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☑ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☑ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☑ No Signature Required — Package may be left without obtaining a signature for delivery.

☑ Direct Signature — Someone at recipient's address may sign for delivery.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

☑ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☑ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. 3672-5883-7 Exp. Date

Total Packages 1 Total Weight 54 lbs. Total Declared Value† $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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REFERENCE 26

PUBLIC HEALTH STATEMENT
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Division of Toxicology **August 1995**

This Public Health Statement is the summary chapter from the Toxicological Profile for Polycyclic Aromatic Hydrocarbons (PAHs). It is one in a series of Public Health Statements about hazardous substances and their health effects. A shorter version, the ToxFAQs™, is also available. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present. For more information, call the ATSDR Information Center at 1-888-422-8737.

This statement was prepared to give you information about polycyclic aromatic hydrocarbons (PAHs) and to emphasize the human health effects that may result from exposure to them. The Environmental Protection Agency (EPA) has identified 1,408 hazardous waste sites as the most serious in the nation. These sites make up the National Priorities List (NPL) and are the sites targeted for long-term federal clean-up activities. PAHs have been found in at least 600 of the sites on the NPL. However, the number of NPL sites evaluated for PAHs is not known. As EPA evaluates more sites, the number of sites at which PAHs are found may increase. This information is important because exposure to PAHs may cause harmful health effects and because these sites are potential or actual sources of human exposure to PAHs.

When a substance is released from a large area, such as an industrial plant, or from a container, such as a drum or bottle, it enters the environment. This release does not always lead to exposure. You can be exposed to a substance only when you come in contact with it. You may be exposed by breathing, eating, or drinking substances containing the substance or by skin contact with it.

If you are exposed to substances such as PAHs, many factors will determine whether harmful health effects will occur and what the type and severity of those health effects will be. These factors include the dose (how much), the duration (how long), the route or pathway by which you are exposed (breathing, eating, drinking, or skin contact), the other chemicals to which you are exposed, and your individual characteristics such as age, sex, nutritional status, family traits, lifestyle, and state of health.

1.1 WHAT ARE PAHs?

PAHs are a group of chemicals that are formed during the incomplete burning of coal, oil, gas, wood, garbage, or other organic substances, such as tobacco and charbroiled meat. There are more than 100 different PAHs. PAHs generally occur as complex mixtures (for example, as part of combustion products such as soot), not as single compounds. PAHs usually occur naturally, but they can be manufactured as individual compounds for research purposes; however, not as the mixtures found in combustion products. As pure chemicals, PAHs generally exist as colorless, white, or pale yellow-green solids. They can have a faint, pleasant odor. A few PAHs are used in medicines and to make dyes, plastics, and pesticides. Others are contained in asphalt used in road construction. They can also be found in substances such as crude oil, coal, coal tar pitch, creosote, and roofing tar. They are found throughout the environment in the air, water, and soil. They can occur in the air, either

attached to dust particles or as solids in soil or sediment.

Although the health effects of individual PAHs are not exactly alike, the following 17 PAHs are considered as a group in this profile:
acenaphthene
acenaphthylene
anthracene
benz[a]anthracene
benzo[a]pyrene
benzo[e]pyrene
benzo[b]fluoranthene
benzo[g,h,i]perylene
benzo[j]fluoranthene
benzo[k]fluoranthene
chrysene
dibenz[a,h]anthracene
fluoranthene
fluorene
indeno[1,2,3-c,d]pyrene
phenanthrene
pyrene
These 17 PAHs were chosen to be included in this profile because (1) more information is available on these than on the others; (2) they are suspected to be more harmful than some of the others, and they exhibit harmful effects that are representative of the PAHs; (3) there is a greater chance that you will be exposed to these PAHs than to the others; and (4) of all the PAHs analyzed, these were the PAHs identified at the highest concentrations at NPL hazardous waste sites.

1.2 WHAT HAPPENS TO PAHs WHEN THEY ENTER THE ENVIRONMENT?

PAHs enter the environment mostly as releases to air from volcanoes, forest fires, residential wood burning, and exhaust from automobiles and trucks. They can also enter surface water through discharges from industrial plants and waste water treatment plants, and they can be released to soils at hazardous waste sites if they escape from storage containers. The movement of PAHs in the environment depends on properties such as how easily they dissolve in water, and how easily they evaporate into the air. PAHs in general do not easily dissolve in water. They are present in air as vapors or stuck to the surfaces of small solid particles. They can travel long distances before they return to earth in rainfall or particle settling. Some PAHs evaporate into the atmosphere from surface waters, but most stick to solid particles and settle to the bottoms of rivers or lakes. In soils, PAHs are most likely to stick tightly to particles. Some PAHs evaporate from surface soils to air. Certain PAHs in soils also contaminate underground water. The PAH content of plants and animals living on the land or in water can be many times higher than the content of PAHs in soil or water. PAHs can break down to longer-lasting products by reacting with sunlight and other chemicals in the air, generally over a period of days to weeks. Breakdown in soil and water generally takes weeks to months and is caused primarily by the actions of microorganisms.

1.3 HOW MIGHT I BE EXPOSED TO PAHs?

PAHs are present throughout the environment, and you may be exposed to these substances at home, outside, or at the workplace. Typically, you will not be exposed to an individual PAH, but to a mixture of PAHs.

In the environment, you are most likely to be exposed to PAH vapors or PAHs that are attached to dust and other particles in the air. Sources include

cigarette smoke, vehicle exhausts, asphalt roads, coal, coal tar, wildfires, agricultural burning, residential wood burning, municipal and industrial waste incineration, and hazardous waste sites. Background levels of some representative PAHs in the air are reported to be 0.02–1.2 nanograms per cubic meter (ng/m³; a nanogram is one-millionth of a milligram) in rural areas and 0.15–19.3 ng/m³ in urban areas. You may be exposed to PAHs in soil near areas where coal, wood, gasoline, or other products have been burned. You may be exposed to PAHs in the soil at or near hazardous waste sites, such as former manufactured-gas factory sites and wood-preserving facilities. PAHs have been found in some drinking water supplies in the United States. Background levels of PAHs in drinking water range from 4 to 24 nanograms per liter (ng/L; a liter is slightly more than a quart).

In the home, PAHs are present in tobacco smoke, smoke from wood fires, creosote-treated wood products, cereals, grains, flour, bread, vegetables, fruits, meat, processed or pickled foods, and contaminated cow's milk or human breast milk. Food grown in contaminated soil or air may also contain PAHs. Cooking meat or other food at high temperatures, which happens during grilling or charring, increases the amount of PAHs in the food. The level of PAHs in the typical U.S. diet is less than 2 parts of total PAHs per billion parts of food (ppb), or less than 2 micrograms per kilogram of food (µg/kg; a microgram is one-thousandth of a milligram).

The primary sources of exposure to PAHs for most of the U.S. population are inhalation of the compounds in tobacco smoke, wood smoke, and ambient air, and consumption of PAHs in foods. For some people, the primary exposure to PAHs occurs in the workplace. PAHs have been found in coal tar production plants, coking plants, bitumen and asphalt production plants, coal-gasification sites, smoke houses, aluminum production plants, coal tarring facilities, and municipal trash incinerators. Workers may be exposed to PAHs by inhaling engine exhaust and by using products that contain PAHs in a variety of industries such as mining, oil refining, metalworking, chemical production, transportation, and the electrical industry. PAHs have also been found in other facilities where petroleum, petroleum products, or coal are used or where wood, cellulose, corn, or oil are burned. People living near waste sites containing PAHs may be exposed through contact with contaminated air, water, and soil.

1.4 HOW CAN PAHs ENTER AND LEAVE MY BODY?

PAHs can enter your body through your lungs when you breathe air that contains them (usually stuck to particles or dust). Cigarette smoke, wood smoke, coal smoke, and smoke from many industrial sites may contain PAHs. People living near hazardous waste sites can also be exposed by breathing air containing PAHs. However, it is not known how rapidly or completely your lungs absorb PAHs. Drinking water and swallowing food, soil, or dust particles that contain PAHs are other routes for these chemicals to enter your body, but absorption is generally slow when PAHs are swallowed. Under normal conditions of environmental exposure, PAHs could enter your body if your skin comes into contact with soil that contains high levels of PAHs (this could occur near a hazardous waste site) or with used crankcase oil or other products (such as creosote) that contain PAHs. The rate at which PAHs enter your body by eating, drinking, or

through the skin can be influenced by the presence of other compounds that you may be exposed to at the same time with PAHs. PAHs can enter all the tissues of your body that contain fat. They tend to be stored mostly in your kidneys, liver, and fat. Smaller amounts are stored in your spleen, adrenal glands, and ovaries. PAHs are changed by all tissues in the body into many different substances. Some of these substances are more harmful and some are less harmful than the original PAHs. Results from animal studies show that PAHs do not tend to be stored in your body for a long time. Most PAHs that enter the body leave within a few days, primarily in the feces and urine.

1.5 HOW CAN PAHs AFFECT MY HEALTH?

PAHs can be harmful to your health under some circumstances. Several of the PAHs, including benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene, have caused tumors in laboratory animals when they breathed these substances in the air, when they ate them, or when they had long periods of skin contact with them. Studies of people show that individuals exposed by breathing or skin contact for long periods to mixtures that contain PAHs and other compounds can also develop cancer.

Mice fed high levels of benzo[a]pyrene during pregnancy had difficulty reproducing and so did their offspring. The offspring of pregnant mice fed benzo[a]pyrene also showed other harmful effects, such as birth defects and decreased body weight. Similar effects could occur in people, but we have no information to show that these effects do occur. Studies in animals have also shown that PAHs can cause harmful effects on skin, body fluids, and the body's system for fighting disease after both short- and long-term exposure. These effects have not been reported in people.

The Department of Health and Human Services (DHHS) has determined that benz[a]anthracene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are known animal carcinogens. The International Agency for Research on Cancer (IARC) has determined the following: benz[a]anthracene and benzo[a]pyrene are probably carcinogenic to humans; benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, and indeno[1,2,3-c,d]pyrene are possibly carcinogenic to humans; and anthracene, benzo[g,h,i]perylene, benzo[e]pyrene, chrysene, fluoranthene, fluorene, phenanthrene, and pyrene are not classifiable as to their carcinogenicity to humans. EPA has determined that benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are probable human carcinogens and that acenaphthylene, anthracene, benzo[g,h,i]perylene, fluoranthene, fluorene, phenanthrene, and pyrene are not classifiable as to human carcinogenicity. Acenaphthene has not been classified for carcinogenic effects by the DHHS, IARC, or EPA.

1.6 IS THERE A MEDICAL TEST TO DETERMINE WHETHER I HAVE BEEN EXPOSED TO PAHs?

In your body, PAHs are changed into chemicals that can attach to substances within the body. The presence of PAHs attached to these substances can

then be measured in body tissues or blood after exposure to PAHs. PAHs or their metabolites can also be measured in urine, blood, or body tissues. Although these tests can show that you have been exposed to PAHs, these tests cannot be used to predict whether any health effects will occur or to determine the extent or source of your exposure to the PAHs. It is not known how effective or informative the tests are after exposure is discontinued. These tests to identify PAHs or their products are not routinely available at a doctor's office because special equipment is required to detect these chemicals.

1.7 WHAT RECOMMENDATIONS HAS THE FEDERAL GOVERNMENT MADE TO PROTECT HUMAN HEALTH?

The federal government has set regulations to protect people from the possible health effects of eating, drinking, or breathing PAHs. EPA has suggested that taking into your body each day the following amounts of individual PAHs is not likely to cause any harmful health effects: 0.3 milligrams (mg) of anthracene, 0.06 mg of acenaphthene, 0.04 mg of fluoranthene, 0.04 mg of fluorene, and 0.03 mg of pyrene per kilogram (kg) of your body weight (one kilogram is equal to 2.2 pounds). Actual exposure for most of the United States population occurs from active or passive inhalation of the compounds in tobacco smoke, wood smoke, and contaminated air, and from eating the compounds in foods. Skin contact with contaminated water, soot, tar, and soil may also occur. Estimates for total exposure in the United States population have been listed as 3 mg/day.

From what is currently known about benzo[a]pyrene, the federal government has developed regulatory standards and guidelines to protect people from the potential health effects of PAHs in drinking water. EPA has provided estimates of levels of total cancer-causing PAHs in lakes and streams associated with a risk of human cancer development. If the following amounts of individual PAHs are released to the environment within a 24-hour period, EPA must be notified: 1 pound of benzo[b]fluoranthene, benzo[a]pyrene, or dibenz[a,h]anthracene; 10 pounds of benz[a]anthracene; 100 pounds of acenaphthene, chrysene, fluoranthene, or indeno[1,2,3-c,d]pyrene; or 5,000 pounds of acenaphthylene, anthracene, benzo[k]fluoranthene, benzo[g,h,i]perylene, fluorene, phenanthrene, or pyrene.

PAHs are generally not produced commercially in the United States except as research chemicals. However, PAHs are found in coal, coal tar, and in the creosote oils, oil mists, and pitches formed from the distillation of coal tars. The National Institute for Occupational Safety and Health (NIOSH) concluded that occupational exposure to coal products can increase the risk of lung and skin cancer in workers. NIOSH established a recommended occupational exposure limit, time-weighted average (REL-TWA) for coal tar products of 0.1 milligram of PAHs per cubic meter of air (0.1 mg/m^3) for a 10-hour workday, within a 40-hour workweek. The American Conference of Governmental Industrial Hygienists (ACGIH) recommends an occupational exposure limit for coal tar products of 0.2 mg/m^3 for an 8-hour workday, within a 40-hour workweek. The Occupational Safety and Health Administration (OSHA) has

established a legally enforceable limit of 0.2 mg/m³ averaged over an 8-hour exposure period.

Mineral oil mists have been given an IARC classification of 1 (sufficient evidence of carcinogenicity). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist is 5 mg/m³ averaged over an 8-hour exposure period. NIOSH has concurred with this limit, and has established a recommended occupational exposure limit (REL-TWA) for mineral oil mists of 5 mg/m³ for a 10-hour work day, 40-hour work week, with a 10 mg/m³ Short Term Exposure Limit (STEL).

1.8 WHERE CAN I GET MORE INFORMATION?

If you have any more questions or concerns, please contact your community or state health or environmental quality department or:

Agency for Toxic Substances and Disease Registry
Division of Toxicology
1600 Clifton Road NE, Mailstop F-32
Atlanta, GA 30333

Information line and technical assistance:

Phone: 888-422-8737
FAX: (770)-488-4178

ATSDR can also tell you the location of occupational and environmental health clinics. These clinics specialize in recognizing, evaluating, and treating illnesses resulting from exposure to hazardous substances.

To order toxicological profiles, contact:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Phone: 800-553-6847 or 703-605-6000

Reference

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for polycyclic aromatic hydrocarbons (PAHs). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

REFERENCE 27

EXECUTIVE NARRATIVE

Case No.: 45717
Site: Wappinger Creek
Number of Samples: 20 (Soil)
Analysis: Metals and Hg

SDG No.: MBC765
Laboratory: Shealy Environmental Services
Sampling dates: 10/29/15 – 10/30/15
Validation SOP: HW-3a and -3c (Rev 0)

QAPP
Contractor: Weston Solutions
Contractor Document #: DCN: W0269_1E_00632

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples MBC765 and MBC774 have analytes that have been qualified J, J+ or J-.

Minor Findings:
None

COMMENT: The site-specific QAPP did not specify the project action levels for this site.

Reviewer Name(s): Jianwei Huang

Approver's Signature: **Date: 12/01/2015**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Revision 0) July 2015, USEPA Region II for the evaluation of ICP-AES metals generated through Statement of Work ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than or equal to CRQLs. The associated CCB analyte results are less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Beryllium MBC7D9, MBC7D6, MBC7E1, MBC7D7

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following Matrix Spike sample has percent recoveries less than 30% and post-digestion spike sample has percent recoveries greater than or equal to 75%. Detected analytes are qualified J. Non-detected analytes are qualified UJ.

Antimony MBBC765

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required

Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

The following samples are associated with a Duplicate sample that has analyte results greater than or equal to 5xCRQL in both Duplicate and original samples and RPD is greater than 35%. Detects are qualified as J. Non-detects are qualified as UJ.

Manganese MBC765

7. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

The following Duplicate and original soil sample results are greater than or equal to 5x the CRQL and RPD is greater than 50%. Detected analytes are qualified J.

Calcium and Copper MBC774 (SDG MBC765), MBC7H1 (SDG MBC7E7)

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

The following sample is associated to the Serial Dilution sample with analyte absolute value %D >15% and the original sample result is > 50xMDL. Detects are qualified as estimated J. Non-detects are qualified estimated UJ.

Calcium, Selenium and Thallium MBC765

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

ANALYSIS: MERCURY

The current SOP HW-3c (Revision 0) July 2015, USEPA Region II for the evaluation of Mercury generated through Statement of Work ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

Sample Summary Report

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI
Sample Number: LCS	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	46.6		mg/kg	46.6		1	Yes	S3VEM
Antimony	Target	10.5		mg/kg	10.5		1	Yes	S3VEM
Arsenic	Target	1.7		mg/kg	1.7		1	Yes	S3VEM
Barium	Target	38.4		mg/kg	38.4		1	Yes	S3VEM
Beryllium	Target	0.92		mg/kg	0.92		1	Yes	S3VEM
Cadmium	Target	0.86		mg/kg	0.86		1	Yes	S3VEM
Calcium	Target	1010		mg/kg	1010		1	Yes	S3VEM
Chromium	Target	1.9		mg/kg	1.9		1	Yes	S3VEM
Cobalt	Target	9.0		mg/kg	9.0		1	Yes	S3VEM
Copper	Target	4.6		mg/kg	4.6		1	Yes	S3VEM
Iron	Target	22.4		mg/kg	22.4		1	Yes	S3VEM
Lead	Target	1.8		mg/kg	1.8		1	Yes	S3VEM
Magnesium	Target	1020		mg/kg	1020		1	Yes	S3VEM
Manganese	Target	2.8		mg/kg	2.8		1	Yes	S3VEM
Nickel	Target	7.1		mg/kg	7.1		1	Yes	S3VEM
Potassium	Target	986		mg/kg	986		1	Yes	S3VEM
Selenium	Target	6.1		mg/kg	6.1		1	Yes	S3VEM
Silver	Target	1.8		mg/kg	1.8		1	Yes	S3VEM
Sodium	Target	1050		mg/kg	1050		1	Yes	S3VEM
Thallium	Target	4.2		mg/kg	4.2		1	Yes	S3VEM
Vanadium	Target	9.1		mg/kg	9.1		1	Yes	S3VEM
Zinc	Target	11.1		mg/kg	11.1		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC765	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	74.601		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14	J	mg/kg	0.14	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC765	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	74.601		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	13000		mg/kg	13000		1	Yes	S3VEM
Antimony	Target	12.0	UJ	mg/kg	12.0	U*D	2	Yes	S3VEM
Arsenic	Target	5.8		mg/kg	5.8	*	1	Yes	S3VEM
Barium	Target	61.7		mg/kg	61.7		1	Yes	S3VEM
Beryllium	Target	0.55		mg/kg	0.55		1	Yes	S3VEM
Cadmium	Target	0.39	J	mg/kg	0.39	J*D	2	Yes	S3VEM
Calcium	Target	11200	J	mg/kg	11200		1	Yes	S3VEM
Chromium	Target	15.2		mg/kg	15.2		1	Yes	S3VEM
Cobalt	Target	9.3		mg/kg	9.3		1	Yes	S3VEM
Copper	Target	34.2		mg/kg	34.2	D	2	Yes	S3VEM
Iron	Target	24000		mg/kg	24000	D	2	Yes	S3VEM
Lead	Target	52.9		mg/kg	52.9	D	2	Yes	S3VEM
Magnesium	Target	8400		mg/kg	8400		1	Yes	S3VEM
Manganese	Target	910	J	mg/kg	910	*	1	Yes	S3VEM
Nickel	Target	21.0		mg/kg	21.0	D	2	Yes	S3VEM
Potassium	Target	1430		mg/kg	1430		1	Yes	S3VEM
Selenium	Target	0.90	J	mg/kg	0.90	J	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	54.4	J	mg/kg	54.4	J*	1	Yes	S3VEM
Thallium	Target	0.67	J	mg/kg	0.67	J	1	Yes	S3VEM
Vanadium	Target	19.3		mg/kg	19.3		1	Yes	S3VEM
Zinc	Target	115		mg/kg	115		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC765D	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	74.601		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.19		mg/kg	0.19		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number: MBC765D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 10/29/2015	Sample Time: 09:45:00
% Moisture :		% Solids : 74.601	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12800		mg/kg	12800		1	Yes	S3VEM
Antimony	Target	13.9	U	mg/kg	13.9	UD	2	Yes	S3VEM
Arsenic	Target	5.4		mg/kg	5.4		1	Yes	S3VEM
Barium	Target	61.8		mg/kg	61.8		1	Yes	S3VEM
Beryllium	Target	0.51		mg/kg	0.51	J	1	Yes	S3VEM
Cadmium	Target	0.34		mg/kg	0.34	JD	2	Yes	S3VEM
Calcium	Target	11300		mg/kg	11300		1	Yes	S3VEM
Chromium	Target	14.7		mg/kg	14.7		1	Yes	S3VEM
Cobalt	Target	8.0		mg/kg	8.0		1	Yes	S3VEM
Copper	Target	34.2		mg/kg	34.2	D	2	Yes	S3VEM
Iron	Target	21900		mg/kg	21900	D	2	Yes	S3VEM
Lead	Target	49.6		mg/kg	49.6	D	2	Yes	S3VEM
Magnesium	Target	9150		mg/kg	9150		1	Yes	S3VEM
Manganese	Target	566	J	mg/kg	566	*	1	Yes	S3VEM
Nickel	Target	18.5		mg/kg	18.5	D	2	Yes	S3VEM
Potassium	Target	1550		mg/kg	1550		1	Yes	S3VEM
Selenium	Target	0.79		mg/kg	0.79	J	1	Yes	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	Yes	S3VEM
Sodium	Target	55.7		mg/kg	55.7	J	1	Yes	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	Yes	S3VEM
Vanadium	Target	18.2		mg/kg	18.2		1	Yes	S3VEM
Zinc	Target	108		mg/kg	108		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number: MBC765L	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	128000		ug/L	128000		5	Yes	S3VEM
Antimony	Target	60.0	U	ug/L	60.0	U	10	Yes	S3VEM
Arsenic	Target	63.9		ug/L	63.9	*	5	Yes	S3VEM
Barium	Target	603		ug/L	603		5	Yes	S3VEM
Beryllium	Target	5.7		ug/L	5.7		5	Yes	S3VEM
Cadmium	Target	1.5	J	ug/L	1.5	J*	10	Yes	S3VEM
Calcium	Target	111000		ug/L	111000		5	Yes	S3VEM
Chromium	Target	160		ug/L	160		5	Yes	S3VEM
Cobalt	Target	100		ug/L	100		5	Yes	S3VEM
Copper	Target	354		ug/L	354		10	Yes	S3VEM
Iron	Target	242000		ug/L	242000		10	Yes	S3VEM
Lead	Target	554		ug/L	554		10	Yes	S3VEM
Magnesium	Target	84300		ug/L	84300		5	Yes	S3VEM
Manganese	Target	9600		ug/L	9600		5	Yes	S3VEM
Nickel	Target	216		ug/L	216		10	Yes	S3VEM
Potassium	Target	14000		ug/L	14000		5	Yes	S3VEM
Selenium	Target	11.8	J	ug/L	11.8	J	5	Yes	S3VEM
Silver	Target	5.0	U	ug/L	5.0	U	5	Yes	S3VEM
Sodium	Target	467	J	ug/L	467	J*	5	Yes	S3VEM
Thallium	Target	10.9	J	ug/L	10.9	J	5	Yes	S3VEM
Vanadium	Target	196		ug/L	196		5	Yes	S3VEM
Zinc	Target	1200		ug/L	1200		5	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC765S	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	74.601		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	5.6	J	mg/kg	5.6	J*D	2	Yes	S3VEM
Arsenic	Spike	14.5		mg/kg	14.5		1	Yes	S3VEM
Barium	Spike	518		mg/kg	518		1	Yes	S3VEM
Beryllium	Spike	11.7		mg/kg	11.7		1	Yes	S3VEM
Cadmium	Spike	10.9		mg/kg	10.9	D	2	Yes	S3VEM
Chromium	Spike	58.6		mg/kg	58.6		1	Yes	S3VEM
Cobalt	Spike	112		mg/kg	112		1	Yes	S3VEM
Copper	Spike	89.7		mg/kg	89.7	D	2	Yes	S3VEM
Lead	Spike	59.5		mg/kg	59.5	D	2	Yes	S3VEM
Manganese	Spike	729		mg/kg	729		1	Yes	S3VEM
Nickel	Spike	122		mg/kg	122	D	2	Yes	S3VEM
Selenium	Spike	20.9		mg/kg	20.9		1	Yes	S3VEM
Silver	Spike	10.9		mg/kg	10.9		1	Yes	S3VEM
Thallium	Spike	10.7		mg/kg	10.7		1	Yes	S3VEM
Vanadium	Spike	127		mg/kg	127		1	Yes	S3VEM
Zinc	Spike	226		mg/kg	226		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC765S	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	09:45:00
% Moisture :				% Solids :	74.601		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.94		mg/kg	0.94		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC766	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:40:00
% Moisture :				% Solids :	94.2395		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	9990		mg/kg	9990		1	Yes	S3VEM
Antimony	Target	10.7	U	mg/kg	10.7	U*D	2	Yes	S3VEM
Arsenic	Target	6.3		mg/kg	6.3	*	1	Yes	S3VEM
Barium	Target	39.0		mg/kg	39.0		1	Yes	S3VEM
Beryllium	Target	0.45		mg/kg	0.45		1	Yes	S3VEM
Cadmium	Target	0.19	J	mg/kg	0.19	J*D	2	Yes	S3VEM
Calcium	Target	40600		mg/kg	40600	D	2	Yes	S3VEM
Chromium	Target	13.5		mg/kg	13.5		1	Yes	S3VEM
Cobalt	Target	7.4		mg/kg	7.4		1	Yes	S3VEM
Copper	Target	26.7		mg/kg	26.7	D	2	Yes	S3VEM
Iron	Target	22500		mg/kg	22500	D	2	Yes	S3VEM
Lead	Target	18.2		mg/kg	18.2	D	2	Yes	S3VEM
Magnesium	Target	23500		mg/kg	23500		1	Yes	S3VEM
Manganese	Target	683		mg/kg	683	*	1	Yes	S3VEM
Nickel	Target	17.5		mg/kg	17.5	D	2	Yes	S3VEM
Potassium	Target	1350		mg/kg	1350		1	Yes	S3VEM
Selenium	Target	3.1	U	mg/kg	3.1	U	1	Yes	S3VEM
Silver	Target	0.89	U	mg/kg	0.89	U	1	Yes	S3VEM
Sodium	Target	92.6	J	mg/kg	92.6	J*	1	Yes	S3VEM
Thallium	Target	0.43	J	mg/kg	0.43	J	1	Yes	S3VEM
Vanadium	Target	14.5		mg/kg	14.5		1	Yes	S3VEM
Zinc	Target	67.3		mg/kg	67.3		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC766	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:40:00
% Moisture :				% Solids :	94.2395		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.059	J	mg/kg	0.059	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC767	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:35:00
% Moisture :				% Solids :	83.7959		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12400		mg/kg	12400		1	Yes	S3VEM
Antimony	Target	27.9	U	mg/kg	27.9	U*D	5	Yes	S3VEM
Arsenic	Target	10.8		mg/kg	10.8	*	1	Yes	S3VEM
Barium	Target	74.1		mg/kg	74.1		1	Yes	S3VEM
Beryllium	Target	0.62		mg/kg	0.62		1	Yes	S3VEM
Cadmium	Target	0.31	J	mg/kg	0.31	J*D	5	Yes	S3VEM
Calcium	Target	10400		mg/kg	10400		1	Yes	S3VEM
Chromium	Target	23.2		mg/kg	23.2		1	Yes	S3VEM
Cobalt	Target	9.4		mg/kg	9.4		1	Yes	S3VEM
Copper	Target	66.3		mg/kg	66.3	D	5	Yes	S3VEM
Iron	Target	28300		mg/kg	28300	D	5	Yes	S3VEM
Lead	Target	165		mg/kg	165	D	5	Yes	S3VEM
Magnesium	Target	7290		mg/kg	7290		1	Yes	S3VEM
Manganese	Target	733		mg/kg	733	*	1	Yes	S3VEM
Nickel	Target	25.0		mg/kg	25.0	D	5	Yes	S3VEM
Potassium	Target	1410		mg/kg	1410		1	Yes	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	Yes	S3VEM
Silver	Target	0.93	U	mg/kg	0.93	U	1	Yes	S3VEM
Sodium	Target	85.5	J	mg/kg	85.5	J*	1	Yes	S3VEM
Thallium	Target	0.71	J	mg/kg	0.71	J	1	Yes	S3VEM
Vanadium	Target	32.5		mg/kg	32.5		1	Yes	S3VEM
Zinc	Target	155		mg/kg	155		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC767	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:35:00
% Moisture :				% Solids :	83.7959		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.82		mg/kg	0.82		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC768	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:35:00
% Moisture :				% Solids :	83.8215		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10600		mg/kg	10600		1	Yes	S3VEM
Antimony	Target	12.8	U	mg/kg	12.8	U*D	2	Yes	S3VEM
Arsenic	Target	5.0		mg/kg	5.0	*	1	Yes	S3VEM
Barium	Target	43.8		mg/kg	43.8		1	Yes	S3VEM
Beryllium	Target	0.45	J	mg/kg	0.45	J	1	Yes	S3VEM
Cadmium	Target	0.23	J	mg/kg	0.23	J*D	2	Yes	S3VEM
Calcium	Target	13700		mg/kg	13700		1	Yes	S3VEM
Chromium	Target	13.6		mg/kg	13.6		1	Yes	S3VEM
Cobalt	Target	7.8		mg/kg	7.8		1	Yes	S3VEM
Copper	Target	28.3		mg/kg	28.3	D	2	Yes	S3VEM
Iron	Target	21800		mg/kg	21800	D	2	Yes	S3VEM
Lead	Target	33.7		mg/kg	33.7	D	2	Yes	S3VEM
Magnesium	Target	7830		mg/kg	7830		1	Yes	S3VEM
Manganese	Target	610		mg/kg	610	*	1	Yes	S3VEM
Nickel	Target	19.0		mg/kg	19.0	D	2	Yes	S3VEM
Potassium	Target	1290		mg/kg	1290		1	Yes	S3VEM
Selenium	Target	3.7	U	mg/kg	3.7	U	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	63.8	J	mg/kg	63.8	J*	1	Yes	S3VEM
Thallium	Target	2.7	U	mg/kg	2.7	U	1	Yes	S3VEM
Vanadium	Target	18.7		mg/kg	18.7		1	Yes	S3VEM
Zinc	Target	108		mg/kg	108		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC768	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:35:00
% Moisture :				% Solids :	83.8215		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.080	J	mg/kg	0.080	J	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC769	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:35:00
% Moisture :				% Solids :	84.3194		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.44		mg/kg	0.44		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC769	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:35:00
% Moisture :				% Solids :	84.3194		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	13800		mg/kg	13800		1	Yes	S3VEM
Antimony	Target	12.3	U	mg/kg	12.3	U*D	2	Yes	S3VEM
Arsenic	Target	9.2		mg/kg	9.2	*	1	Yes	S3VEM
Barium	Target	86.9		mg/kg	86.9		1	Yes	S3VEM
Beryllium	Target	0.65		mg/kg	0.65		1	Yes	S3VEM
Cadmium	Target	0.61	J	mg/kg	0.61	J*D	2	Yes	S3VEM
Calcium	Target	3330		mg/kg	3330		1	Yes	S3VEM
Chromium	Target	18.4		mg/kg	18.4		1	Yes	S3VEM
Cobalt	Target	7.8		mg/kg	7.8		1	Yes	S3VEM
Copper	Target	41.4		mg/kg	41.4	D	2	Yes	S3VEM
Iron	Target	24200		mg/kg	24200	D	2	Yes	S3VEM
Lead	Target	142		mg/kg	142	D	2	Yes	S3VEM
Magnesium	Target	5050		mg/kg	5050		1	Yes	S3VEM
Manganese	Target	986		mg/kg	986	*	1	Yes	S3VEM
Nickel	Target	20.1		mg/kg	20.1	D	2	Yes	S3VEM
Potassium	Target	1200		mg/kg	1200		1	Yes	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	85.1	J	mg/kg	85.1	J*	1	Yes	S3VEM
Thallium	Target	1.0	J	mg/kg	1.0	J	1	Yes	S3VEM
Vanadium	Target	20.7		mg/kg	20.7		1	Yes	S3VEM
Zinc	Target	116		mg/kg	116		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC770	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	08:50:00
% Moisture :				% Solids :	88.2647		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.3		mg/kg	1.3		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC770	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	08:50:00
% Moisture :				% Solids :	88.2647		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10200		mg/kg	10200		1	Yes	S3VEM
Antimony	Target	22.7	U	mg/kg	22.7	U*D	5	Yes	S3VEM
Arsenic	Target	16.5		mg/kg	16.5	*	1	Yes	S3VEM
Barium	Target	67.1		mg/kg	67.1		1	Yes	S3VEM
Beryllium	Target	0.51		mg/kg	0.51		1	Yes	S3VEM
Cadmium	Target	0.35	J	mg/kg	0.35	J*D	5	Yes	S3VEM
Calcium	Target	11100		mg/kg	11100		1	Yes	S3VEM
Chromium	Target	22.6		mg/kg	22.6		1	Yes	S3VEM
Cobalt	Target	9.4		mg/kg	9.4		1	Yes	S3VEM
Copper	Target	81.6		mg/kg	81.6	D	5	Yes	S3VEM
Iron	Target	31100		mg/kg	31100	D	5	Yes	S3VEM
Lead	Target	323		mg/kg	323	D	5	Yes	S3VEM
Magnesium	Target	7190		mg/kg	7190		1	Yes	S3VEM
Manganese	Target	590		mg/kg	590	*	1	Yes	S3VEM
Nickel	Target	24.1		mg/kg	24.1	D	5	Yes	S3VEM
Potassium	Target	1070		mg/kg	1070		1	Yes	S3VEM
Selenium	Target	0.71	J	mg/kg	0.71	J	1	Yes	S3VEM
Silver	Target	0.76	U	mg/kg	0.76	U	1	Yes	S3VEM
Sodium	Target	118	J	mg/kg	118	J*	1	Yes	S3VEM
Thallium	Target	0.65	J	mg/kg	0.65	J	1	Yes	S3VEM
Vanadium	Target	22.4		mg/kg	22.4		1	Yes	S3VEM
Zinc	Target	398		mg/kg	398		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC771	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:30:00
% Moisture :				% Solids :	87.9338		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	8660		mg/kg	8660		1	Yes	S3VEM
Antimony	Target	12.0	U	mg/kg	12.0	U*D	2	Yes	S3VEM
Arsenic	Target	125		mg/kg	125	*	1	Yes	S3VEM
Barium	Target	68.1		mg/kg	68.1		1	Yes	S3VEM
Beryllium	Target	0.54		mg/kg	0.54		1	Yes	S3VEM
Cadmium	Target	1.0	U	mg/kg	1.0	U*D	2	Yes	S3VEM
Calcium	Target	20300		mg/kg	20300		1	Yes	S3VEM
Chromium	Target	42.8		mg/kg	42.8		1	Yes	S3VEM
Cobalt	Target	6.9		mg/kg	6.9		1	Yes	S3VEM
Copper	Target	76.3		mg/kg	76.3	D	2	Yes	S3VEM
Iron	Target	22900		mg/kg	22900	D	2	Yes	S3VEM
Lead	Target	197		mg/kg	197	D	2	Yes	S3VEM
Magnesium	Target	3730		mg/kg	3730		1	Yes	S3VEM
Manganese	Target	286		mg/kg	286	*	1	Yes	S3VEM
Nickel	Target	16.1		mg/kg	16.1	D	2	Yes	S3VEM
Potassium	Target	910		mg/kg	910		1	Yes	S3VEM
Selenium	Target	0.92	J	mg/kg	0.92	J	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	328	J	mg/kg	328	J*	1	Yes	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Vanadium	Target	14.9		mg/kg	14.9		1	Yes	S3VEM
Zinc	Target	73.3		mg/kg	73.3		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC771	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:30:00
% Moisture :				% Solids :	87.9338		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.46		mg/kg	0.46		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC774	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	86.516		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.39		mg/kg	0.39		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC774	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	86.516		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11000		mg/kg	11000		1	Yes	S3VEM
Antimony	Target	13.0	U	mg/kg	13.0	U*D	2	Yes	S3VEM
Arsenic	Target	25.6		mg/kg	25.6	*	1	Yes	S3VEM
Barium	Target	95.3		mg/kg	95.3		1	Yes	S3VEM
Beryllium	Target	0.56		mg/kg	0.56		1	Yes	S3VEM
Cadmium	Target	0.61	J	mg/kg	0.61	J*D	2	Yes	S3VEM
Calcium	Target	10800	J	mg/kg	10800		1	Yes	S3VEM
Chromium	Target	17.6		mg/kg	17.6		1	Yes	S3VEM
Cobalt	Target	10.1		mg/kg	10.1		1	Yes	S3VEM
Copper	Target	61.5	J	mg/kg	61.5	D	2	Yes	S3VEM
Iron	Target	26300		mg/kg	26300	D	2	Yes	S3VEM
Lead	Target	73.1		mg/kg	73.1	D	2	Yes	S3VEM
Magnesium	Target	8170		mg/kg	8170		1	Yes	S3VEM
Manganese	Target	818		mg/kg	818	*	1	Yes	S3VEM
Nickel	Target	25.2		mg/kg	25.2	D	2	Yes	S3VEM
Potassium	Target	1130		mg/kg	1130		1	Yes	S3VEM
Selenium	Target	1.7	J	mg/kg	1.7	J	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	68.0	J	mg/kg	68.0	J*	1	Yes	S3VEM
Thallium	Target	1.8	J	mg/kg	1.8	J	1	Yes	S3VEM
Vanadium	Target	21.6		mg/kg	21.6		1	Yes	S3VEM
Zinc	Target	113		mg/kg	113		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7D5	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:40:00
% Moisture :				% Solids :	74.7076		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.061	J	mg/kg	0.061	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7D5	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:40:00
% Moisture :				% Solids :	74.7076		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	15900		mg/kg	15900		1	Yes	S3VEM
Antimony	Target	12.9	U	mg/kg	12.9	U*D	2	Yes	S3VEM
Arsenic	Target	4.8		mg/kg	4.8	*	1	Yes	S3VEM
Barium	Target	66.2		mg/kg	66.2		1	Yes	S3VEM
Beryllium	Target	0.57		mg/kg	0.57		1	Yes	S3VEM
Cadmium	Target	1.1	U	mg/kg	1.1	U*D	2	Yes	S3VEM
Calcium	Target	2690		mg/kg	2690		1	Yes	S3VEM
Chromium	Target	16.1		mg/kg	16.1		1	Yes	S3VEM
Cobalt	Target	9.3		mg/kg	9.3		1	Yes	S3VEM
Copper	Target	25.5		mg/kg	25.5	D	2	Yes	S3VEM
Iron	Target	23300		mg/kg	23300	D	2	Yes	S3VEM
Lead	Target	19.4		mg/kg	19.4	D	2	Yes	S3VEM
Magnesium	Target	5760		mg/kg	5760		1	Yes	S3VEM
Manganese	Target	265		mg/kg	265	*	1	Yes	S3VEM
Nickel	Target	20.0		mg/kg	20.0	D	2	Yes	S3VEM
Potassium	Target	1450		mg/kg	1450		1	Yes	S3VEM
Selenium	Target	3.8	U	mg/kg	3.8	U	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	59.0	J	mg/kg	59.0	J*	1	Yes	S3VEM
Thallium	Target	2.7	U	mg/kg	2.7	U	1	Yes	S3VEM
Vanadium	Target	19.8		mg/kg	19.8		1	Yes	S3VEM
Zinc	Target	71.4		mg/kg	71.4		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7D6	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:35:00
% Moisture :				% Solids :	76.5434		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.045	J	mg/kg	0.045	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7D6	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S01	pH:		Sample Date:	10/29/2015	Sample Time:	09:35:00
% Moisture :				% Solids :	76.5434		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11400		mg/kg	11400		1	Yes	S3VEM
Antimony	Target	12.3	U	mg/kg	12.3	U*D	2	Yes	S3VEM
Arsenic	Target	4.6		mg/kg	4.6	*	1	Yes	S3VEM
Barium	Target	46.7		mg/kg	46.7		1	Yes	S3VEM
Beryllium	Target	0.51	U	mg/kg	0.49	J	1	Yes	S3VEM
Cadmium	Target	1.0	U	mg/kg	1.0	U*D	2	Yes	S3VEM
Calcium	Target	1620		mg/kg	1620		1	Yes	S3VEM
Chromium	Target	13.1		mg/kg	13.1		1	Yes	S3VEM
Cobalt	Target	7.6		mg/kg	7.6		1	Yes	S3VEM
Copper	Target	29.7		mg/kg	29.7	D	2	Yes	S3VEM
Iron	Target	21000		mg/kg	21000	D	2	Yes	S3VEM
Lead	Target	11.3		mg/kg	11.3	D	2	Yes	S3VEM
Magnesium	Target	4170		mg/kg	4170		1	Yes	S3VEM
Manganese	Target	231		mg/kg	231	*	1	Yes	S3VEM
Nickel	Target	17.5		mg/kg	17.5	D	2	Yes	S3VEM
Potassium	Target	1190		mg/kg	1190		1	Yes	S3VEM
Selenium	Target	3.6	U	mg/kg	3.6	U	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	66.4	J	mg/kg	66.4	J*	1	Yes	S3VEM
Thallium	Target	2.6	U	mg/kg	2.6	U	1	Yes	S3VEM
Vanadium	Target	15.2		mg/kg	15.2		1	Yes	S3VEM
Zinc	Target	63.5		mg/kg	63.5		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7D7	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:50:00
% Moisture :				% Solids :	83.1378		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12400		mg/kg	12400		1	Yes	S3VEM
Antimony	Target	33.9	U	mg/kg	33.9	U*D	5	Yes	S3VEM
Arsenic	Target	6.0		mg/kg	6.0	*	1	Yes	S3VEM
Barium	Target	45.0		mg/kg	45.0		1	Yes	S3VEM
Beryllium	Target	0.56	U	mg/kg	0.55	J	1	Yes	S3VEM
Cadmium	Target	2.8	U	mg/kg	2.8	U*D	5	Yes	S3VEM
Calcium	Target	5830		mg/kg	5830		1	Yes	S3VEM
Chromium	Target	17.1		mg/kg	17.1		1	Yes	S3VEM
Cobalt	Target	8.3		mg/kg	8.3		1	Yes	S3VEM
Copper	Target	29.3		mg/kg	29.3	D	5	Yes	S3VEM
Iron	Target	28000		mg/kg	28000	D	5	Yes	S3VEM
Lead	Target	16.2		mg/kg	16.2	D	5	Yes	S3VEM
Magnesium	Target	7680		mg/kg	7680		1	Yes	S3VEM
Manganese	Target	892		mg/kg	892	*	1	Yes	S3VEM
Nickel	Target	22.2	J	mg/kg	22.2	JD	5	Yes	S3VEM
Potassium	Target	1350		mg/kg	1350		1	Yes	S3VEM
Selenium	Target	3.9	U	mg/kg	3.9	U	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	72.8	J	mg/kg	72.8	J*	1	Yes	S3VEM
Thallium	Target	0.72	J	mg/kg	0.72	J	1	Yes	S3VEM
Vanadium	Target	17.3		mg/kg	17.3		1	Yes	S3VEM
Zinc	Target	71.4		mg/kg	71.4		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7D7	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:50:00
% Moisture :				% Solids :	83.1378		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.031	J	mg/kg	0.031	J	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7D8	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:55:00
% Moisture :				% Solids :	84.8837		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.012	J	mg/kg	0.012	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7D8	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S02	pH:		Sample Date:	10/29/2015	Sample Time:	10:55:00
% Moisture :				% Solids :	84.8837		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11300		mg/kg	11300		1	Yes	S3VEM
Antimony	Target	10.7	U	mg/kg	10.7	U*D	2	Yes	S3VEM
Arsenic	Target	5.1		mg/kg	5.1	*	1	Yes	S3VEM
Barium	Target	33.1		mg/kg	33.1		1	Yes	S3VEM
Beryllium	Target	0.47		mg/kg	0.47		1	Yes	S3VEM
Cadmium	Target	0.89	U	mg/kg	0.89	U*D	2	Yes	S3VEM
Calcium	Target	6040		mg/kg	6040		1	Yes	S3VEM
Chromium	Target	13.4		mg/kg	13.4		1	Yes	S3VEM
Cobalt	Target	7.4		mg/kg	7.4		1	Yes	S3VEM
Copper	Target	21.7		mg/kg	21.7	D	2	Yes	S3VEM
Iron	Target	24600		mg/kg	24600	D	2	Yes	S3VEM
Lead	Target	10.5		mg/kg	10.5	D	2	Yes	S3VEM
Magnesium	Target	8190		mg/kg	8190		1	Yes	S3VEM
Manganese	Target	655		mg/kg	655	*	1	Yes	S3VEM
Nickel	Target	19.6		mg/kg	19.6	D	2	Yes	S3VEM
Potassium	Target	1270		mg/kg	1270		1	Yes	S3VEM
Selenium	Target	3.1	U	mg/kg	3.1	U	1	Yes	S3VEM
Silver	Target	0.89	U	mg/kg	0.89	U	1	Yes	S3VEM
Sodium	Target	64.0	J	mg/kg	64.0	J*	1	Yes	S3VEM
Thallium	Target	0.57	J	mg/kg	0.57	J	1	Yes	S3VEM
Vanadium	Target	14.1		mg/kg	14.1		1	Yes	S3VEM
Zinc	Target	58.4		mg/kg	58.4		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7D9	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:30:00
% Moisture :				% Solids :	86.8498		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	8340		mg/kg	8340		1	Yes	S3VEM
Antimony	Target	12.0	U	mg/kg	12.0	U*D	2	Yes	S3VEM
Arsenic	Target	9.5		mg/kg	9.5	*	1	Yes	S3VEM
Barium	Target	35.7		mg/kg	35.7		1	Yes	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.28	J	1	Yes	S3VEM
Cadmium	Target	1.0	U	mg/kg	1.0	U*D	2	Yes	S3VEM
Calcium	Target	3140		mg/kg	3140		1	Yes	S3VEM
Chromium	Target	23.7		mg/kg	23.7		1	Yes	S3VEM
Cobalt	Target	5.4		mg/kg	5.4		1	Yes	S3VEM
Copper	Target	33.1		mg/kg	33.1	D	2	Yes	S3VEM
Iron	Target	21500		mg/kg	21500	D	2	Yes	S3VEM
Lead	Target	42.6		mg/kg	42.6	D	2	Yes	S3VEM
Magnesium	Target	4420		mg/kg	4420		1	Yes	S3VEM
Manganese	Target	261		mg/kg	261	*	1	Yes	S3VEM
Nickel	Target	16.5		mg/kg	16.5	D	2	Yes	S3VEM
Potassium	Target	961		mg/kg	961		1	Yes	S3VEM
Selenium	Target	0.86	J	mg/kg	0.86	J	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	57.3	J	mg/kg	57.3	J*	1	Yes	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Vanadium	Target	14.6		mg/kg	14.6		1	Yes	S3VEM
Zinc	Target	58.4		mg/kg	58.4		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7D9	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:30:00
% Moisture :				% Solids :	86.8498		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12		mg/kg	0.12	J	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E0	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:25:00
% Moisture :				% Solids :	87.1897		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.014	J	mg/kg	0.014	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E0	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S03	pH:		Sample Date:	10/29/2015	Sample Time:	11:25:00
% Moisture :				% Solids :	87.1897		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10500		mg/kg	10500		1	Yes	S3VEM
Antimony	Target	10.3	U	mg/kg	10.3	U*D	2	Yes	S3VEM
Arsenic	Target	4.3		mg/kg	4.3	*	1	Yes	S3VEM
Barium	Target	30.6		mg/kg	30.6		1	Yes	S3VEM
Beryllium	Target	0.57		mg/kg	0.57		1	Yes	S3VEM
Cadmium	Target	0.86	U	mg/kg	0.86	U*D	2	Yes	S3VEM
Calcium	Target	1310		mg/kg	1310		1	Yes	S3VEM
Chromium	Target	12.2		mg/kg	12.2		1	Yes	S3VEM
Cobalt	Target	6.6		mg/kg	6.6		1	Yes	S3VEM
Copper	Target	44.2		mg/kg	44.2	D	2	Yes	S3VEM
Iron	Target	22800		mg/kg	22800	D	2	Yes	S3VEM
Lead	Target	7.1		mg/kg	7.1	D	2	Yes	S3VEM
Magnesium	Target	4350		mg/kg	4350		1	Yes	S3VEM
Manganese	Target	161		mg/kg	161	*	1	Yes	S3VEM
Nickel	Target	21.0		mg/kg	21.0	D	2	Yes	S3VEM
Potassium	Target	863		mg/kg	863		1	Yes	S3VEM
Selenium	Target	3.0	U	mg/kg	3.0	U	1	Yes	S3VEM
Silver	Target	0.86	U	mg/kg	0.86	U	1	Yes	S3VEM
Sodium	Target	52.8	J	mg/kg	52.8	J*	1	Yes	S3VEM
Thallium	Target	2.2	U	mg/kg	2.2	U	1	Yes	S3VEM
Vanadium	Target	10.7		mg/kg	10.7		1	Yes	S3VEM
Zinc	Target	61.5		mg/kg	61.5		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E1	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:30:00
% Moisture :				% Solids :	61.8093		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12300		mg/kg	12300		1	Yes	S3VEM
Antimony	Target	1.1	J	mg/kg	1.1	J*D	2	Yes	S3VEM
Arsenic	Target	11.3		mg/kg	11.3	*	1	Yes	S3VEM
Barium	Target	113		mg/kg	113		1	Yes	S3VEM
Beryllium	Target	0.74	U	mg/kg	0.57	J	1	Yes	S3VEM
Cadmium	Target	2.9		mg/kg	2.9	*D	2	Yes	S3VEM
Calcium	Target	17400		mg/kg	17400		1	Yes	S3VEM
Chromium	Target	55.8		mg/kg	55.8		1	Yes	S3VEM
Cobalt	Target	9.4		mg/kg	9.4		1	Yes	S3VEM
Copper	Target	248		mg/kg	248	D	2	Yes	S3VEM
Iron	Target	22400		mg/kg	22400	D	2	Yes	S3VEM
Lead	Target	195		mg/kg	195	D	2	Yes	S3VEM
Magnesium	Target	7410		mg/kg	7410		1	Yes	S3VEM
Manganese	Target	619		mg/kg	619	*	1	Yes	S3VEM
Nickel	Target	23.7		mg/kg	23.7	D	2	Yes	S3VEM
Potassium	Target	1590		mg/kg	1590		1	Yes	S3VEM
Selenium	Target	0.98	J	mg/kg	0.98	J	1	Yes	S3VEM
Silver	Target	1.5	U	mg/kg	1.5	U	1	Yes	S3VEM
Sodium	Target	228	J	mg/kg	228	J*	1	Yes	S3VEM
Thallium	Target	3.7	U	mg/kg	3.7	U	1	Yes	S3VEM
Vanadium	Target	53.2		mg/kg	53.2		1	Yes	S3VEM
Zinc	Target	283		mg/kg	283		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E1	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:30:00
% Moisture :				% Solids :	61.8093		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.6		mg/kg	1.6		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E2	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:25:00
% Moisture :				% Solids :	85.6947		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11500		mg/kg	11500		1	Yes	S3VEM
Antimony	Target	25.3	U	mg/kg	25.3	U*D	5	Yes	S3VEM
Arsenic	Target	5.0		mg/kg	5.0	*	1	Yes	S3VEM
Barium	Target	33.3		mg/kg	33.3		1	Yes	S3VEM
Beryllium	Target	0.52		mg/kg	0.52		1	Yes	S3VEM
Cadmium	Target	2.1	U	mg/kg	2.1	U*D	5	Yes	S3VEM
Calcium	Target	17500		mg/kg	17500		1	Yes	S3VEM
Chromium	Target	19.9		mg/kg	19.9		1	Yes	S3VEM
Cobalt	Target	8.0		mg/kg	8.0		1	Yes	S3VEM
Copper	Target	27.4		mg/kg	27.4	D	5	Yes	S3VEM
Iron	Target	29700		mg/kg	29700	D	5	Yes	S3VEM
Lead	Target	19.9		mg/kg	19.9	D	5	Yes	S3VEM
Magnesium	Target	8830		mg/kg	8830		1	Yes	S3VEM
Manganese	Target	600		mg/kg	600	*	1	Yes	S3VEM
Nickel	Target	23.5		mg/kg	23.5	D	5	Yes	S3VEM
Potassium	Target	1280		mg/kg	1280		1	Yes	S3VEM
Selenium	Target	0.54	J	mg/kg	0.54	J	1	Yes	S3VEM
Silver	Target	0.84	U	mg/kg	0.84	U	1	Yes	S3VEM
Sodium	Target	56.1	J	mg/kg	56.1	J*	1	Yes	S3VEM
Thallium	Target	0.53	J	mg/kg	0.53	J	1	Yes	S3VEM
Vanadium	Target	17.3		mg/kg	17.3		1	Yes	S3VEM
Zinc	Target	64.2		mg/kg	64.2		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E2	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S04	pH:		Sample Date:	10/29/2015	Sample Time:	12:25:00
% Moisture :				% Solids :	85.6947		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.057	J	mg/kg	0.057	J	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E3	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:40:00
% Moisture :				% Solids :	84.1376		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	21300		mg/kg	21300		1	Yes	S3VEM
Antimony	Target	30.2	U	mg/kg	30.2	U*D	5	Yes	S3VEM
Arsenic	Target	61.8		mg/kg	61.8	*	1	Yes	S3VEM
Barium	Target	96.5		mg/kg	96.5		1	Yes	S3VEM
Beryllium	Target	1.1		mg/kg	1.1		1	Yes	S3VEM
Cadmium	Target	2.5	U	mg/kg	2.5	U*D	5	Yes	S3VEM
Calcium	Target	10900		mg/kg	10900		1	Yes	S3VEM
Chromium	Target	32.3		mg/kg	32.3		1	Yes	S3VEM
Cobalt	Target	14.3		mg/kg	14.3		1	Yes	S3VEM
Copper	Target	95.5		mg/kg	95.5	D	5	Yes	S3VEM
Iron	Target	46800		mg/kg	46800	D	5	Yes	S3VEM
Lead	Target	346		mg/kg	346	D	5	Yes	S3VEM
Magnesium	Target	9080		mg/kg	9080		1	Yes	S3VEM
Manganese	Target	741		mg/kg	741	*	1	Yes	S3VEM
Nickel	Target	37.2		mg/kg	37.2	D	5	Yes	S3VEM
Potassium	Target	2050		mg/kg	2050		1	Yes	S3VEM
Selenium	Target	1.0	J	mg/kg	1.0	J	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	193	J	mg/kg	193	J*	1	Yes	S3VEM
Thallium	Target	0.43	J	mg/kg	0.43	J	1	Yes	S3VEM
Vanadium	Target	32.1		mg/kg	32.1		1	Yes	S3VEM
Zinc	Target	112		mg/kg	112		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E3	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:40:00
% Moisture :				% Solids :	84.1376		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.66		mg/kg	0.66		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E4	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:45:00
% Moisture :				% Solids :	87.0233		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.046	J	mg/kg	0.046	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E4	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S05	pH:		Sample Date:	10/29/2015	Sample Time:	13:45:00
% Moisture :				% Solids :	87.0233		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	26700		mg/kg	26700		1	Yes	S3VEM
Antimony	Target	33.6	U	mg/kg	33.6	U*D	5	Yes	S3VEM
Arsenic	Target	8.7		mg/kg	8.7	*	1	Yes	S3VEM
Barium	Target	59.3		mg/kg	59.3		1	Yes	S3VEM
Beryllium	Target	0.77		mg/kg	0.77		1	Yes	S3VEM
Cadmium	Target	2.8	U	mg/kg	2.8	U*D	5	Yes	S3VEM
Calcium	Target	3830		mg/kg	3830		1	Yes	S3VEM
Chromium	Target	27.0		mg/kg	27.0		1	Yes	S3VEM
Cobalt	Target	14.8		mg/kg	14.8		1	Yes	S3VEM
Copper	Target	44.5		mg/kg	44.5	D	5	Yes	S3VEM
Iron	Target	56100		mg/kg	56100	D	5	Yes	S3VEM
Lead	Target	23.9		mg/kg	23.9	D	5	Yes	S3VEM
Magnesium	Target	12500		mg/kg	12500		1	Yes	S3VEM
Manganese	Target	949		mg/kg	949	*	1	Yes	S3VEM
Nickel	Target	42.9		mg/kg	42.9	D	5	Yes	S3VEM
Potassium	Target	1930		mg/kg	1930		1	Yes	S3VEM
Selenium	Target	3.9	U	mg/kg	3.9	U	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	143	J	mg/kg	143	J*	1	Yes	S3VEM
Thallium	Target	0.57	J	mg/kg	0.57	J	1	Yes	S3VEM
Vanadium	Target	30.5		mg/kg	30.5		1	Yes	S3VEM
Zinc	Target	107		mg/kg	107		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E5	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	08:55:00
% Moisture :				% Solids :	76.5235		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13	J	mg/kg	0.13	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E5	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	08:55:00
% Moisture :				% Solids :	76.5235		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17300		mg/kg	17300		1	Yes	S3VEM
Antimony	Target	11.5	U	mg/kg	11.5	U*D	2	Yes	S3VEM
Arsenic	Target	68.6		mg/kg	68.6	*	1	Yes	S3VEM
Barium	Target	53.4		mg/kg	53.4		1	Yes	S3VEM
Beryllium	Target	2.0		mg/kg	2.0		1	Yes	S3VEM
Cadmium	Target	0.40	J	mg/kg	0.40	J*D	2	Yes	S3VEM
Calcium	Target	3560		mg/kg	3560		1	Yes	S3VEM
Chromium	Target	46.2		mg/kg	46.2		1	Yes	S3VEM
Cobalt	Target	39.1		mg/kg	39.1		1	Yes	S3VEM
Copper	Target	229		mg/kg	229	D	2	Yes	S3VEM
Iron	Target	16200		mg/kg	16200	D	2	Yes	S3VEM
Lead	Target	86.8		mg/kg	86.8	D	2	Yes	S3VEM
Magnesium	Target	1410		mg/kg	1410		1	Yes	S3VEM
Manganese	Target	358		mg/kg	358	*	1	Yes	S3VEM
Nickel	Target	30.8		mg/kg	30.8	D	2	Yes	S3VEM
Potassium	Target	549		mg/kg	549		1	Yes	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	Yes	S3VEM
Silver	Target	0.96	U	mg/kg	0.96	U	1	Yes	S3VEM
Sodium	Target	240	J	mg/kg	240	J*	1	Yes	S3VEM
Thallium	Target	2.4	U	mg/kg	2.4	U	1	Yes	S3VEM
Vanadium	Target	24.1		mg/kg	24.1		1	Yes	S3VEM
Zinc	Target	156		mg/kg	156		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC765	Lab Code:	EQI

Sample Number:	MBC7E6	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	09:00:00
% Moisture :				% Solids :	85.2959		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.068	J	mg/kg	0.068	J	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number:	MBC7E6	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S06	pH:		Sample Date:	10/30/2015	Sample Time:	09:00:00
% Moisture :				% Solids :	85.2959		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000		mg/kg	19000		1	Yes	S3VEM
Antimony	Target	24.3	U	mg/kg	24.3	U*D	5	Yes	S3VEM
Arsenic	Target	23.4		mg/kg	23.4	*	1	Yes	S3VEM
Barium	Target	52.1		mg/kg	52.1		1	Yes	S3VEM
Beryllium	Target	1.1		mg/kg	1.1		1	Yes	S3VEM
Cadmium	Target	0.17	J	mg/kg	0.17	J*D	5	Yes	S3VEM
Calcium	Target	23200		mg/kg	23200		1	Yes	S3VEM
Chromium	Target	39.4		mg/kg	39.4		1	Yes	S3VEM
Cobalt	Target	23.8		mg/kg	23.8		1	Yes	S3VEM
Copper	Target	95.1		mg/kg	95.1	D	5	Yes	S3VEM
Iron	Target	39100		mg/kg	39100	D	5	Yes	S3VEM
Lead	Target	56.8		mg/kg	56.8	D	5	Yes	S3VEM
Magnesium	Target	8550		mg/kg	8550		1	Yes	S3VEM
Manganese	Target	739		mg/kg	739	*	1	Yes	S3VEM
Nickel	Target	39.3		mg/kg	39.3	D	5	Yes	S3VEM
Potassium	Target	1540		mg/kg	1540		1	Yes	S3VEM
Selenium	Target	0.87	J	mg/kg	0.87	J	1	Yes	S3VEM
Silver	Target	0.81	U	mg/kg	0.81	U	1	Yes	S3VEM
Sodium	Target	281	J	mg/kg	281	J*	1	Yes	S3VEM
Thallium	Target	0.50	J	mg/kg	0.50	J	1	Yes	S3VEM
Vanadium	Target	26.8		mg/kg	26.8		1	Yes	S3VEM
Zinc	Target	126		mg/kg	126		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number: PBS	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1	Yes	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	Yes	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1	Yes	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	Yes	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	Yes	S3VEM
Calcium	Target	15.1	J	mg/kg	15.1	J	1	Yes	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	Yes	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Iron	Target	2.7	J	mg/kg	2.7	J	1	Yes	S3VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1	Yes	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	Yes	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	Yes	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	Yes	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	500	U	mg/kg	500	U	1	Yes	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	Yes	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC765	Lab Code: EQI

Sample Number: PBS	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	U	mg/kg	0.12	U	1	Yes	S3VEM

REFERENCE 28

EXECUTIVE NARRATIVE

Case No.: 45717
Site: Wappinger Creek
Number of Samples: 8 (Soil)
Analysis: Metals and Hg

SDG No.: MBC7E7
Laboratory: Shealy Environmental Services
Sampling dates: 10/29/15 – 10/30/15
Validation SOP: HW-3a and -3c (Rev 0)

QAPP
Contractor: Weston Solutions
Contractor Document #: DCN: W0269_1E_00632

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
Sample MBC7E7 has an analyte (Copper) that has been qualified R due to the RPD for the Duplicate Sample Analysis greater than or equal to 120%.

Major Findings:
Sample MBC7E7 and MBC7H1 have analytes that have been qualified J, J+ or J-.

Minor Findings:
None

COMMENT:	The site-specific QAPP did not specify the project action levels for this site.

Reviewer Name(s): Jianwei Huang

Approver's Signature: **Date: 12/01/2015**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Revision 0) July 2015, USEPA Region II for the evaluation of ICP-AES metals generated through Statement of Work ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than or equal to CRQLs. The associated CCB analyte results are less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Beryllium MBC7F0, MBC7E8, MBC7H1, MBC7F2

Cobalt MBC7H2, MBC7E7

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following Matrix Spike sample has percent recoveries less than 30% and post-digestion spike sample has percent recoveries greater than or equal to 75%. Detected analytes are qualified J. Non-detected analytes are qualified UJ.

Antimony MBC7E7

The following Matrix Spike sample has percent recoveries in the range of 30-74% and post-digestion spike sample has percent recoveries greater than or equal to 75%. Detected analytes are qualified J. Non-detected analytes are qualified UJ.

Arsenic MBC7E7

The following Matrix Spike sample has percent recoveries in the range of 30-74% and post-digestion spike sample has percent recoveries less than 75%. Detected analytes are qualified J-. Non-detected analytes are qualified UJ.

Copper MBC7E7

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

The following sample is associated with a Duplicate sample that has analyte results greater than or equal to 5xCRQL in both Duplicate and original samples and RPD is greater than 35% but less than 120%. Detects are qualified as J.

Calcium, Lead and Zinc MBC7E7

The following sample is associated with a Duplicate sample that has analyte results greater than or equal to 5xCRQL in both Duplicate and original samples and RPD is greater than or equal to 120%. Detects ≥CRQL are qualified as R.

Copper MBC7E7

7. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

The following Duplicate and original soil sample results are greater than or equal to 5x the CRQL and RPD is greater than 50%. Detected analytes are qualified J.

Calcium and Copper MBC774 (SDG MBC765), MBC7H1 (SDG MBC7E7)

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which

must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

ANALYSIS: MERCURY

The current SOP HW-3c (Revision 0) July 2015, USEPA Region II for the evaluation of Mercury generated through Statement of Work ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH ($\leq$2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate

value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

Sample Summary Report

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	LCS	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:		Sample Time:	
% Moisture :				% Solids :	100		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	47.4		mg/kg	47.4		1	Yes	S3VEM
Antimony	Target	10.8		mg/kg	10.8		1	Yes	S3VEM
Arsenic	Target	1.7		mg/kg	1.7		1	Yes	S3VEM
Barium	Target	38.1		mg/kg	38.1		1	Yes	S3VEM
Beryllium	Target	0.95		mg/kg	0.95		1	Yes	S3VEM
Cadmium	Target	0.89		mg/kg	0.89		1	Yes	S3VEM
Calcium	Target	986		mg/kg	986		1	Yes	S3VEM
Chromium	Target	1.9		mg/kg	1.9		1	Yes	S3VEM
Cobalt	Target	9.3		mg/kg	9.3		1	Yes	S3VEM
Copper	Target	4.8		mg/kg	4.8		1	Yes	S3VEM
Iron	Target	19.3		mg/kg	19.3		1	Yes	S3VEM
Lead	Target	1.8		mg/kg	1.8		1	Yes	S3VEM
Magnesium	Target	993		mg/kg	993		1	Yes	S3VEM
Manganese	Target	2.9		mg/kg	2.9		1	Yes	S3VEM
Nickel	Target	7.3		mg/kg	7.3		1	Yes	S3VEM
Potassium	Target	978		mg/kg	978		1	Yes	S3VEM
Selenium	Target	6.3		mg/kg	6.3		1	Yes	S3VEM
Silver	Target	1.9		mg/kg	1.9		1	Yes	S3VEM
Sodium	Target	1040		mg/kg	1040		1	Yes	S3VEM
Thallium	Target	4.4		mg/kg	4.4		1	Yes	S3VEM
Vanadium	Target	9.5		mg/kg	9.5		1	Yes	S3VEM
Zinc	Target	11.3		mg/kg	11.3		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7E7	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	80.4202		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3280		mg/kg	3280	*	1	Yes	S3VEM
Antimony	Target	0.85	J	mg/kg	0.85	J*	1	Yes	S3VEM
Arsenic	Target	6.3	J	mg/kg	6.3	*	1	Yes	S3VEM
Barium	Target	30.4		mg/kg	30.4		1	Yes	S3VEM
Beryllium	Target	0.22	J	mg/kg	0.22	J	1	Yes	S3VEM
Cadmium	Target	0.075	J	mg/kg	0.075	J	1	Yes	S3VEM
Calcium	Target	4350	J	mg/kg	4350	*	1	Yes	S3VEM
Chromium	Target	11.1		mg/kg	11.1	*	1	Yes	S3VEM
Cobalt	Target	5.1	U	mg/kg	4.2	J	1	Yes	S3VEM
Copper	Target	64.4	R	mg/kg	64.4	*	1	Yes	S3VEM
Iron	Target	7600		mg/kg	7600	*	1	Yes	S3VEM
Lead	Target	238	J	mg/kg	238	*	1	Yes	S3VEM
Magnesium	Target	1240		mg/kg	1240		1	Yes	S3VEM
Manganese	Target	162		mg/kg	162	*	1	Yes	S3VEM
Nickel	Target	10.6		mg/kg	10.6		1	Yes	S3VEM
Potassium	Target	508		mg/kg	508		1	Yes	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	84.0	J	mg/kg	84.0	J	1	Yes	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Vanadium	Target	8.5		mg/kg	8.5		1	Yes	S3VEM
Zinc	Target	46.4	J	mg/kg	46.4	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7E7	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	80.4202		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16		mg/kg	0.16		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7E7A	Method:	Metals by ICP-AES	Matrix:	Water	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :			

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	118		ug/L	118		1	Yes	S3VEM
Arsenic	Spike	79.7		ug/L	79.7		1	Yes	S3VEM
Copper	Spike	641		ug/L	641		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number:	MBC7E7D	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	80.4202		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	2370	J	mg/kg	2370	*	1	Yes	S3VEM
Antimony	Target	6.9	U	mg/kg	6.9	U	1	Yes	S3VEM
Arsenic	Target	5.1		mg/kg	5.1	*	1	Yes	S3VEM
Barium	Target	24.2		mg/kg	24.2		1	Yes	S3VEM
Beryllium	Target	0.16		mg/kg	0.16	J	1	Yes	S3VEM
Cadmium	Target	0.062		mg/kg	0.062	J	1	Yes	S3VEM
Calcium	Target	2860		mg/kg	2860	*	1	Yes	S3VEM
Chromium	Target	7.8	J	mg/kg	7.8	*	1	Yes	S3VEM
Cobalt	Target	3.2		mg/kg	3.2	J	1	Yes	S3VEM
Copper	Target	1660	J	mg/kg	1660	*	1	Yes	S3VEM
Iron	Target	6000	J	mg/kg	6000	*	1	Yes	S3VEM
Lead	Target	107	J	mg/kg	107	*	1	Yes	S3VEM
Magnesium	Target	854		mg/kg	854		1	Yes	S3VEM
Manganese	Target	114	J	mg/kg	114	*	1	Yes	S3VEM
Nickel	Target	7.8		mg/kg	7.8		1	Yes	S3VEM
Potassium	Target	331		mg/kg	331	J	1	Yes	S3VEM
Selenium	Target	4.0	U	mg/kg	4.0	U	1	Yes	S3VEM
Silver	Target	0.74		mg/kg	0.74	J	1	Yes	S3VEM
Sodium	Target	55.7		mg/kg	55.7	J	1	Yes	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	Yes	S3VEM
Vanadium	Target	6.8		mg/kg	6.8		1	Yes	S3VEM
Zinc	Target	112	J	mg/kg	112	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7E7D	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	80.4202		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.14		mg/kg	0.14		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number: MBC7E7L	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	32500		ug/L	32500		5	Yes	S3VEM
Antimony	Target	300	U	ug/L	300	U	5	Yes	S3VEM
Arsenic	Target	59.4		ug/L	59.4		5	Yes	S3VEM
Barium	Target	287	J	ug/L	287	J	5	Yes	S3VEM
Beryllium	Target	2.3	J	ug/L	2.3	J	5	Yes	S3VEM
Cadmium	Target	25.0	U	ug/L	25.0	U	5	Yes	S3VEM
Calcium	Target	41700		ug/L	41700		5	Yes	S3VEM
Chromium	Target	108		ug/L	108		5	Yes	S3VEM
Cobalt	Target	42.9	J	ug/L	42.9	J	5	Yes	S3VEM
Copper	Target	617		ug/L	617		5	Yes	S3VEM
Iron	Target	73000		ug/L	73000		5	Yes	S3VEM
Lead	Target	2340		ug/L	2340		5	Yes	S3VEM
Magnesium	Target	12100	J	ug/L	12100	J	5	Yes	S3VEM
Manganese	Target	1550		ug/L	1550		5	Yes	S3VEM
Nickel	Target	105	J	ug/L	105	J	5	Yes	S3VEM
Potassium	Target	4790		ug/L	4790	J	5	Yes	S3VEM
Selenium	Target	175	U	ug/L	175	U	5	Yes	S3VEM
Silver	Target	50.0	U	ug/L	50.0	U	5	Yes	S3VEM
Sodium	Target	25000	U	ug/L	25000	U	5	Yes	S3VEM
Thallium	Target	125	U	ug/L	125	U	5	Yes	S3VEM
Vanadium	Target	81.5	J	ug/L	81.5	J	5	Yes	S3VEM
Zinc	Target	446		ug/L	446		5	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number:	MBC7E7S	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	80.4202		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	9.7		mg/kg	9.7	*	1	Yes	S3VEM
Arsenic	Spike	13.0		mg/kg	13.0	*	1	Yes	S3VEM
Barium	Spike	426		mg/kg	426		1	Yes	S3VEM
Beryllium	Spike	10.5		mg/kg	10.5		1	Yes	S3VEM
Cadmium	Spike	10.0		mg/kg	10.0		1	Yes	S3VEM
Chromium	Spike	49.7		mg/kg	49.7		1	Yes	S3VEM
Cobalt	Spike	102		mg/kg	102		1	Yes	S3VEM
Copper	Spike	96.8		mg/kg	96.8	*	1	Yes	S3VEM
Lead	Spike	118		mg/kg	118		1	Yes	S3VEM
Manganese	Spike	278		mg/kg	278		1	Yes	S3VEM
Nickel	Spike	105		mg/kg	105		1	Yes	S3VEM
Selenium	Spike	19.7		mg/kg	19.7		1	Yes	S3VEM
Silver	Spike	10.7		mg/kg	10.7		1	Yes	S3VEM
Thallium	Spike	10.1		mg/kg	10.1		1	Yes	S3VEM
Vanadium	Spike	109		mg/kg	109		1	Yes	S3VEM
Zinc	Spike	139		mg/kg	139		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number:	MBC7E7S	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:		pH:		Sample Date:	10/29/2015	Sample Time:	15:40:00
% Moisture :				% Solids :	80.4202		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	1.0		mg/kg	1.0		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7E8	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:45:00
% Moisture :				% Solids :	84.4121		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.071	J	mg/kg	0.071	J	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7E8	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S07	pH:		Sample Date:	10/29/2015	Sample Time:	15:45:00
% Moisture :				% Solids :	84.4121		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	7210		mg/kg	7210	*	1	Yes	S3VEM
Antimony	Target	11.6	U	mg/kg	11.6	U*D	2	Yes	S3VEM
Arsenic	Target	12.1		mg/kg	12.1	*	1	Yes	S3VEM
Barium	Target	28.1		mg/kg	28.1		1	Yes	S3VEM
Beryllium	Target	0.48	U	mg/kg	0.37	J	1	Yes	S3VEM
Cadmium	Target	0.096	J	mg/kg	0.096	JD	2	Yes	S3VEM
Calcium	Target	1250		mg/kg	1250	*	1	Yes	S3VEM
Chromium	Target	23.7		mg/kg	23.7	*	1	Yes	S3VEM
Cobalt	Target	5.4		mg/kg	5.4		1	Yes	S3VEM
Copper	Target	42.4		mg/kg	42.4	*D	2	Yes	S3VEM
Iron	Target	15600		mg/kg	15600	*D	2	Yes	S3VEM
Lead	Target	35.4		mg/kg	35.4	*D	2	Yes	S3VEM
Magnesium	Target	3400		mg/kg	3400		1	Yes	S3VEM
Manganese	Target	249		mg/kg	249	*	1	Yes	S3VEM
Nickel	Target	16.3		mg/kg	16.3	D	2	Yes	S3VEM
Potassium	Target	776		mg/kg	776		1	Yes	S3VEM
Selenium	Target	3.4	U	mg/kg	3.4	U	1	Yes	S3VEM
Silver	Target	0.97	U	mg/kg	0.97	U	1	Yes	S3VEM
Sodium	Target	63.0	J	mg/kg	63.0	J	1	Yes	S3VEM
Thallium	Target	2.4	U	mg/kg	2.4	U	1	Yes	S3VEM
Vanadium	Target	15.4		mg/kg	15.4		1	Yes	S3VEM
Zinc	Target	71.8		mg/kg	71.8	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7F0	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S08	pH:		Sample Date:	10/29/2015	Sample Time:	15:00:00
% Moisture :				% Solids :	71.9424		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.40		mg/kg	0.40		1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number:	MBC7F0	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S08	pH:		Sample Date:	10/29/2015	Sample Time:	15:00:00
% Moisture :				% Solids :	71.9424		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	9770		mg/kg	9770	*	1	Yes	S3VEM
Antimony	Target	3.1	J	mg/kg	3.1	J*D	2	Yes	S3VEM
Arsenic	Target	28.7		mg/kg	28.7	*	1	Yes	S3VEM
Barium	Target	48.2		mg/kg	48.2		1	Yes	S3VEM
Beryllium	Target	0.56	U	mg/kg	0.43	J	1	Yes	S3VEM
Cadmium	Target	0.88	J	mg/kg	0.88	JD	2	Yes	S3VEM
Calcium	Target	25300		mg/kg	25300	*	1	Yes	S3VEM
Chromium	Target	230		mg/kg	230	*	1	Yes	S3VEM
Cobalt	Target	6.4		mg/kg	6.4		1	Yes	S3VEM
Copper	Target	78.4		mg/kg	78.4	*D	2	Yes	S3VEM
Iron	Target	20100		mg/kg	20100	*D	2	Yes	S3VEM
Lead	Target	245		mg/kg	245	*D	2	Yes	S3VEM
Magnesium	Target	7550		mg/kg	7550		1	Yes	S3VEM
Manganese	Target	383		mg/kg	383	*	1	Yes	S3VEM
Nickel	Target	15.3		mg/kg	15.3	D	2	Yes	S3VEM
Potassium	Target	1080		mg/kg	1080		1	Yes	S3VEM
Selenium	Target	1.3	J	mg/kg	1.3	J	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	357	J	mg/kg	357	J	1	Yes	S3VEM
Thallium	Target	2.8	U	mg/kg	2.8	U	1	Yes	S3VEM
Vanadium	Target	22.4		mg/kg	22.4		1	Yes	S3VEM
Zinc	Target	132		mg/kg	132	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7F2	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S09	pH:		Sample Date:	10/29/2015	Sample Time:	14:25:00
% Moisture :				% Solids :	77.3668		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15	U	mg/kg	0.15	U	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7F2	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S09	pH:		Sample Date:	10/29/2015	Sample Time:	14:25:00
% Moisture :				% Solids :	77.3668		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	13000		mg/kg	13000	*	1	Yes	S3VEM
Antimony	Target	1.1	J	mg/kg	1.1	J*D	2	Yes	S3VEM
Arsenic	Target	2.7		mg/kg	2.7	*	1	Yes	S3VEM
Barium	Target	58.3		mg/kg	58.3		1	Yes	S3VEM
Beryllium	Target	0.58	U	mg/kg	0.52	J	1	Yes	S3VEM
Cadmium	Target	1.2	U	mg/kg	1.2	UD	2	Yes	S3VEM
Calcium	Target	1220		mg/kg	1220	*	1	Yes	S3VEM
Chromium	Target	42.7		mg/kg	42.7	*	1	Yes	S3VEM
Cobalt	Target	7.8		mg/kg	7.8		1	Yes	S3VEM
Copper	Target	16.6		mg/kg	16.6	*D	2	Yes	S3VEM
Iron	Target	24400		mg/kg	24400	*D	2	Yes	S3VEM
Lead	Target	12.5		mg/kg	12.5	*D	2	Yes	S3VEM
Magnesium	Target	5570		mg/kg	5570		1	Yes	S3VEM
Manganese	Target	257		mg/kg	257	*	1	Yes	S3VEM
Nickel	Target	21.9		mg/kg	21.9	D	2	Yes	S3VEM
Potassium	Target	1100		mg/kg	1100		1	Yes	S3VEM
Selenium	Target	4.0	U	mg/kg	4.0	U	1	Yes	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	Yes	S3VEM
Sodium	Target	53.9	J	mg/kg	53.9	J	1	Yes	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	Yes	S3VEM
Vanadium	Target	14.8		mg/kg	14.8		1	Yes	S3VEM
Zinc	Target	56.4		mg/kg	56.4	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7F3	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:20:00
% Moisture :				% Solids :	91.9477		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11300		mg/kg	11300	*	1	Yes	S3VEM
Antimony	Target	24.5	U	mg/kg	24.5	U*D	5	Yes	S3VEM
Arsenic	Target	9.1		mg/kg	9.1	*	1	Yes	S3VEM
Barium	Target	42.7		mg/kg	42.7		1	Yes	S3VEM
Beryllium	Target	0.51		mg/kg	0.51		1	Yes	S3VEM
Cadmium	Target	2.0	U	mg/kg	2.0	UD	5	Yes	S3VEM
Calcium	Target	4150		mg/kg	4150	*	1	Yes	S3VEM
Chromium	Target	13.5		mg/kg	13.5	*	1	Yes	S3VEM
Cobalt	Target	8.9		mg/kg	8.9		1	Yes	S3VEM
Copper	Target	28.9		mg/kg	28.9	*D	5	Yes	S3VEM
Iron	Target	25000		mg/kg	25000	*D	5	Yes	S3VEM
Lead	Target	19.1		mg/kg	19.1	*D	5	Yes	S3VEM
Magnesium	Target	5660		mg/kg	5660		1	Yes	S3VEM
Manganese	Target	544		mg/kg	544	*	1	Yes	S3VEM
Nickel	Target	21.0		mg/kg	21.0	D	5	Yes	S3VEM
Potassium	Target	1250		mg/kg	1250		1	Yes	S3VEM
Selenium	Target	2.9	U	mg/kg	2.9	U	1	Yes	S3VEM
Silver	Target	0.82	U	mg/kg	0.82	U	1	Yes	S3VEM
Sodium	Target	31.6	J	mg/kg	31.6	J	1	Yes	S3VEM
Thallium	Target	0.43	J	mg/kg	0.43	J	1	Yes	S3VEM
Vanadium	Target	15.6		mg/kg	15.6		1	Yes	S3VEM
Zinc	Target	68.7		mg/kg	68.7	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7F3	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:20:00
% Moisture :				% Solids :	91.9477		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.095	J	mg/kg	0.095	J	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7H1	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:15:00
% Moisture :				% Solids :	86.1167		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.27		mg/kg	0.27		1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7H1	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:15:00
% Moisture :				% Solids :	86.1167		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	7540		mg/kg	7540	*	1	Yes	S3VEM
Antimony	Target	13.2	U	mg/kg	13.2	U*D	2	Yes	S3VEM
Arsenic	Target	28.2		mg/kg	28.2	*	1	Yes	S3VEM
Barium	Target	70.8		mg/kg	70.8		1	Yes	S3VEM
Beryllium	Target	0.55	U	mg/kg	0.53	J	1	Yes	S3VEM
Cadmium	Target	0.70	J	mg/kg	0.70	JD	2	Yes	S3VEM
Calcium	Target	21900	J	mg/kg	21900	*	1	Yes	S3VEM
Chromium	Target	13.5		mg/kg	13.5	*	1	Yes	S3VEM
Cobalt	Target	7.2		mg/kg	7.2		1	Yes	S3VEM
Copper	Target	456	J	mg/kg	456	*D	2	Yes	S3VEM
Iron	Target	18000		mg/kg	18000	*D	2	Yes	S3VEM
Lead	Target	70.4		mg/kg	70.4	*D	2	Yes	S3VEM
Magnesium	Target	11300		mg/kg	11300		1	Yes	S3VEM
Manganese	Target	511		mg/kg	511	*	1	Yes	S3VEM
Nickel	Target	18.2		mg/kg	18.2	D	2	Yes	S3VEM
Potassium	Target	1020		mg/kg	1020		1	Yes	S3VEM
Selenium	Target	1.5	J	mg/kg	1.5	J	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	72.3	J	mg/kg	72.3	J	1	Yes	S3VEM
Thallium	Target	1.3	J	mg/kg	1.3	J	1	Yes	S3VEM
Vanadium	Target	16.3		mg/kg	16.3		1	Yes	S3VEM
Zinc	Target	105		mg/kg	105	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7H2	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:00:00
% Moisture :				% Solids :	86.2195		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.0		mg/kg	2.0	D	5	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number:	MBC7H2	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:00:00
% Moisture :				% Solids :	86.2195		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3920		mg/kg	3920	*	1	Yes	S3VEM
Antimony	Target	6.7	U	mg/kg	6.7	U*	1	Yes	S3VEM
Arsenic	Target	22.1		mg/kg	22.1	*	1	Yes	S3VEM
Barium	Target	111		mg/kg	111		1	Yes	S3VEM
Beryllium	Target	0.53	J	mg/kg	0.53	J	1	Yes	S3VEM
Cadmium	Target	0.052	J	mg/kg	0.052	J	1	Yes	S3VEM
Calcium	Target	14400		mg/kg	14400	*	1	Yes	S3VEM
Chromium	Target	23.2		mg/kg	23.2	*	1	Yes	S3VEM
Cobalt	Target	5.6	U	mg/kg	5.6	J	1	Yes	S3VEM
Copper	Target	314		mg/kg	314	*	1	Yes	S3VEM
Iron	Target	13100		mg/kg	13100	*	1	Yes	S3VEM
Lead	Target	153		mg/kg	153	*	1	Yes	S3VEM
Magnesium	Target	2340		mg/kg	2340		1	Yes	S3VEM
Manganese	Target	186		mg/kg	186	*	1	Yes	S3VEM
Nickel	Target	13.8		mg/kg	13.8		1	Yes	S3VEM
Potassium	Target	574		mg/kg	574		1	Yes	S3VEM
Selenium	Target	1.0	J	mg/kg	1.0	J	1	Yes	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	Yes	S3VEM
Sodium	Target	93.6	J	mg/kg	93.6	J	1	Yes	S3VEM
Thallium	Target	0.57	J	mg/kg	0.57	J	1	Yes	S3VEM
Vanadium	Target	13.3		mg/kg	13.3		1	Yes	S3VEM
Zinc	Target	45.5		mg/kg	45.5	*	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number:	MBC7H3	Method:	Metals by ICP-AES	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:25:00
% Moisture :				% Solids :	89.3164		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12100		mg/kg	12100	*	1	Yes	S3VEM
Antimony	Target	26.3	U	mg/kg	26.3	U*D	5	Yes	S3VEM
Arsenic	Target	8.4		mg/kg	8.4	*	1	Yes	S3VEM
Barium	Target	43.6		mg/kg	43.6		1	Yes	S3VEM
Beryllium	Target	0.49		mg/kg	0.49		1	Yes	S3VEM
Cadmium	Target	2.2	U	mg/kg	2.2	UD	5	Yes	S3VEM
Calcium	Target	4040		mg/kg	4040	*	1	Yes	S3VEM
Chromium	Target	13.4		mg/kg	13.4	*	1	Yes	S3VEM
Cobalt	Target	10.0		mg/kg	10.0		1	Yes	S3VEM
Copper	Target	28.6		mg/kg	28.6	*D	5	Yes	S3VEM
Iron	Target	25500		mg/kg	25500	*D	5	Yes	S3VEM
Lead	Target	18.6		mg/kg	18.6	*D	5	Yes	S3VEM
Magnesium	Target	5560		mg/kg	5560		1	Yes	S3VEM
Manganese	Target	654		mg/kg	654	*	1	Yes	S3VEM
Nickel	Target	20.8		mg/kg	20.8	D	5	Yes	S3VEM
Potassium	Target	1310		mg/kg	1310		1	Yes	S3VEM
Selenium	Target	0.62	J	mg/kg	0.62	J	1	Yes	S3VEM
Silver	Target	0.88	U	mg/kg	0.88	U	1	Yes	S3VEM
Sodium	Target	30.2	J	mg/kg	30.2	J	1	Yes	S3VEM
Thallium	Target	0.67	J	mg/kg	0.67	J	1	Yes	S3VEM
Vanadium	Target	15.7		mg/kg	15.7		1	Yes	S3VEM
Zinc	Target	66.9		mg/kg	66.9	*	1	Yes	S3VEM

Case No:	45717	Contract:	EPW14035	SDG No:	MBC7E7	Lab Code:	EQI

Sample Number:	MBC7H3	Method:	Mercury by Cold Vapor	Matrix:	Soil	MA Number:	
Sample Location:	0269-S10	pH:		Sample Date:	10/30/2015	Sample Time:	10:25:00
% Moisture :				% Solids :	89.3164		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	U	mg/kg	0.11	U	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number: PBS	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	mg/kg	20.0	U	1	Yes	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	Yes	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Barium	Target	20.0	U	mg/kg	20.0	U	1	Yes	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	Yes	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	Yes	S3VEM
Calcium	Target	10.7	J	mg/kg	10.7	J	1	Yes	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	Yes	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Iron	Target	10.0	U	mg/kg	10.0	U	1	Yes	S3VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1	Yes	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	Yes	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	Yes	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	Yes	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	Yes	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	Yes	S3VEM
Sodium	Target	500	U	mg/kg	500	U	1	Yes	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	Yes	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	Yes	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	Yes	S3VEM

Case No: 45717	Contract: EPW14035	SDG No: MBC7E7	Lab Code: EQI

Sample Number: PBS	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids :	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.011	J	mg/kg	0.011	J	1	Yes	S3VEM

REFERENCE 29

US EPA Region 2
Division of Environmental Science & Assessment
Monitoring & Assessment Branch

Standard Operating Procedures
for
Field Activities

December 2006

U.S. Environmental Protection Agency
Region 2
2890 Woodbridge Avenue
Edison, New Jersey 08837

SOP4FA

TABLE of CONTENTS

TABLE of CONTENTS . . . . . -i-

SECTION 1
PREFACE 1
1.1 Introduction 1
1.2 Performance Objectives 1
1.3 Section Objectives 1

SECTION 2
INVESTIGATIONS, INSPECTIONS, AND OVERVIEW ACTIVITIES SECTION . . 2
PERFORMANCE OBJECTIVES: 2
2.1 Introduction 2
2.2 Potable Water Supply Investigations 2
2.3 Civil Enforcement Investigations and Studies 4
2.3.1 Introduction 4
2.3.2 Facility Entry 4
2.3.3 Unreasonable Search and Seizure 5
2.3.4 Requesting Information 5
2.3.5 Photographs 6
2.3.6 Split Samples 7
2.3.7 Inspections at Federal Facilities 7
2.4 Criminal Investigations and Studies 7
2.5 Clean Water Act Compliance Monitoring Inspections 7
2.5.1 Introduction 7
2.5.2 CWA Inspection Types 8
2.5.3 Study Plans 11
2.5.4 Procedures for Obtaining NPDES Permits and Facility Related Information, and for Notifying the State(s) of Upcoming Inspection(s) 11
2.5.5 CWA and NPDES Compliance Inspection Reports 12
2.6 RCRA Inspections, Investigations, and Overview Activities 13
2.6.1 Introduction 13
2.6.2 RCRA Investigation Types 13
2.6.3 Planning for Field Investigative Support 14
2.6.4 Requests for RCRA Studies 15
2.6.5 Investigation Study Plans 15
2.6.6 Investigation Reports 15
2.7 References 17
EPA Form 3560-3 - page 1 18
EPA Form 3560-3 - page 2 19

SECTION 3
SAMPLE CONTROL, FIELD RECORDS, AND DOCUMENT CONTROL 20
SECTION OBJECTIVES 20
3.1 Introduction 20
3.2 Definitions 20
3.3 Sample and Evidence Identification 21
3.3.1 Sample Identification 21

3.3.2 Photographs, Digital Still Images and Video Identification Photographs . . . 22
3.3.3 Identification of Physical Evidence . . . 23
3.4 Chain-of-Custody Procedures . . . 23
3.4.1 Introduction . . . 23
3.4.2 Sample Custody . . . 23
3.4.3 Use of the Chain-of-Custody Sample Seals . . . 24
3.4.4 Transfer of Custody with the Shipment of Samples . . . 25
3.5 Chain-of-Custody Procedures (Part 2) . . . 25
3.5.1 Introduction . . . 25
3.5.2 Receipt for Samples . . . 25
3.6 Field Records . . . 26
3.7 Document Control . . . 27
3.8 Disposal of Samples or Other Physical Evidence . . . 27

Figure 3-1 - A Blank Chain-Of-Custody/Field Data Form . . . 29
Instructions for Filling Out the Chain-Of-Custody/Field Data Form . . . 30
Figure 3-2 - Example of a Filled out Chain-Of-Custody/Field Data Form . . . 31

SECTION 4
MONITORING OPERATIONS SECTION SAFETY PROTOCOLS . . . 32
SECTION OBJECTIVE: . . . 32
4.1 Introduction . . . 32
4.2 Hazard Communication Procedure . . . 33
4.2.1 Introduction . . . 33
4.2.2 Scope . . . 33
4.2.3 Labels and Other Forms of Warnings . . . 33
4.2.4 Material Safety Data Sheets (MSDSs) . . . 34
4.3 Safety Protocols . . . 34
4.3.1 Site Safety Officer Duties . . . 34
4.3.2 Safety Equipment . . . 34
4.3.3 OSHA Confined Space Entry . . . 35
4.3.4 Entry into Enclosed Areas . . . 35
4.3.5 Training Status Tracking System . . . 36
4.3.6 Site Operations . . . 36
EXAMPLE of SITE SAFETY PLAN INFORMATION . . . 49
4.3.7 Boating Operations . . . 53
FLOAT PLAN . . . 56
4.3.8 Field Procedures for Handling Pathogenic Samples . . . 57

SECTION 5
SAMPLING DESIGN AND QUALITY ASSURANCE PROCEDURES . . . 58
SECTION OBJECTIVES: . . . 58
5.1 Introduction . . . 58
5.2 Definitions . . . 58
5.3 Sampling Design . . . 61
5.3.1 Introduction . . . 61
5.3.2 Representative Sampling . . . 62
5.3.3 Stratification and Heterogeneous Wastes . . . 62
5.3.4 Specific Sampling Designs . . . 62
5.3.5 Determining the Number of Samples to Collect . . . 63
5.3.6 Authoritative Sampling . . . 63

5.3.7 Simple Random Sampling 63
5.3.8 Systematic Sampling over Time or Space 63
5.3.9 Stratified Random Sampling 63
5.3.10 Systematic Grid Sampling 64
5.3.11 Adaptive Cluster Sampling 64
5.4 General Considerations for Sampling Designs 64
5.5 Soil Sampling Designs 65
5.5.1 Historical Sampling Data, Site Survey, and Site History 65
5.5.2 Data Quality Objectives (DQOs) 66
5.5.3 Authoritative Designs for Soil Investigations 66
5.5.4 Systematic Grid Sampling Designs for Soil Investigations 67
5.6 Ground Water Sampling Designs 67
5.6.1 Typical Ground Water Screening Devices 67
5.7 Surface Water and Sediment Sampling Designs 68
5.7.1 Sampling Site Selection 68
5.7.2 Rivers, Streams, and Creeks 69
5.7.3 Lakes, Ponds, and Impoundments 71
5.7.4 Estuarine Waters 72
5.7.5 Control Stations 73
5.8 Waste Sampling Designs 73
5.8.1 Introduction 73
5.8.2 Waste Investigation Objectives 74
5.8.3 Considerations for Waste Sampling Designs 74
5.8.4 Waste Sampling Equipment 75
5.8.5 Field Screening 76

FIGURE 5-1 - RCRA WASTE CHARACTERIZATION FLOW CHART 77
5.9 Wastewater Sampling Designs 79
5.10 Quality System Policy and Planning 80
5.10.1 Introduction 80
5.10.2 Routine Inspections 80
5.10.3 Quality Assurance Project Plans (QAPP) 80
5.11 Specific Sample Collection Quality Control Procedures 83
5.11.1 Introduction 83
5.11.2 Experience Requirements 84
5.11.3 Traceability Requirements 84
5.11.4 Chain-of-Custody 84
5.11.5 Sampling Equipment Construction Material 84
5.11.6 Sample Preservation 84
5.11.7 Special Precautions for Trace Pollutant Sampling 85
5.11.8 Sample Handling and Mixing 86
5.11.9 Special Handling of Samples for Volatile Organic Compounds (VOCs) Analysis 86
5.11.10 Estimating Variability 87
5.11.11 Sample Volumes for Laboratory Quality Control Procedures . . . 88
5.12 Investigation Derived Waste (IDW) 88
5.12.1 Types of IDW 88
5.12.2 Management of Non-Hazardous IDW 89
5.12.3 Management of Hazardous IDW 89
5.13 References 90
SECTION 6
GROUND WATER SAMPLING 91
6.1 Introduction 91

6.2 Purging 92
6.2.1 Purging and Purge Adequacy 92
6.2.2 Purging Techniques (Wells Without Plumbing or In-Place Pumps) 94
6.2.3 Purging Techniques - Wells with In-Place Plumbing 96
6.2.4 Purging Techniques - Temporary Monitoring Wells 97
6.2.5 Investigation Derived Waste 98
6.3 Sampling 98
6.3.1 Equipment Available 98
6.3.2 Sampling Techniques - Wells With In-Place Plumbing 98
6.3.3 Sampling Techniques - Wells without Plumbing 98
6.3.4 Sample Preservation 100
6.3.5 Special Sample Collection Procedures 100
6.3.6 Specific Sampling Equipment Quality Assurance Techniques 102
6.3.7 Auxiliary Data Collection 102
6.4 Ground Water Level Measurements 102
6.4.1 Introduction 102
6.4.2 Specific Ground Water Level Measuring Techniques 102
6.4.3 Total Well Depth Measurement Techniques 103
6.4.4 Equipment Available 103
6.4.5 Specific Quality Control Procedures 103
6.4.6 Well Pumping Rate - Bucket/Stop Watch Method 104
6.4 References 105
Attachment
U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION II - GROUNDWATER SAMPLING PROCEDURE
LOW STRESS PURGING AND SAMPLING 106

SECTION 7
SAMPLING OF POTABLE WATER SUPPLIES 115
PERFORMANCE OBJECTIVES: 115
7.1 Introduction 115
7.2 Sampling Site Selection 115
7.3 References 117

SECTION 8
SAMPLING FOR LEAD IN WATER IN SCHOOLS 118
SECTION OBJECTIVE: 118
8.1 Background/Introduction 118
8.2 Sampling Procedure 118
8.2.1 For water coolers (1C/2C) 118
8.2.2 For bubblers (1A/2A), bubblers with individual chillers (1B/2B) and faucets (1F/2F) 119
8.3 Equipment 119
8.4 Documentation 119
8.5 Sample Preservation 119
8.6 References 120

SECTION 9
WASTEWATER SAMPLING 121
9.1 Introduction 121

9.2 Site Selection 121
9.2.1 Influent 122
9.2.2 Effluent 122
9.2.3 Pond and Lagoon Sampling 122
9.3 Sample Types 122
9.3.1 Grab Samples 122
9.3.2 Composite Samples 122
9.4 Use of Automatic Samplers 123
9.4.1 Introduction 123
9.4.2 Conventional Sampling (Inorganic Parameters) 124
9.4.3 Metals 125
9.4.4 Extractable Organic Compounds, Pesticides, Phenols and PCBs 125
9.4.5 Automatic Sampler Security 125
9.4.6 Automatic Sampler Maintenance, Calibration, and Quality Control 125
9.5 Manual Sampling 126
9.6 Special Sample Collection Procedures 127
9.6.1 Organic Compounds and Metals 127
9.6.2 Bacteriological 127
9.6.3 Immiscible Liquids/Oil and Grease 127
9.6.4 Volatile Organic Compounds 127
9.7 Supplementary Data Collection 129
9.8 Sample Preservation 129
9.9 References 130

SECTION 10
WASTEWATER FLOW MEASUREMENT 131
10.1 Introduction 131
10.2 Wastewater Flow Measurement 131
10.2.1 Introduction 131
10.2.2 Site Selection 132
10.2.3 Flow Measurement Systems 132
10.2.4 Use of Existing Flow Measurement Systems 132
10.2.5 Specific Techniques 133
10.2.6 Open Channel Flow Measurements 134
10.2.7 Closed Conduit Flow Measurements 138
10.3 Surface Water Flow Measurements 139
10.3.1 Introduction 139
10.4 Quality Assurance Procedures 139
10.5 Equipment 140
10.5.1 ISCO© Model 3210 Flow Meter Configuration 140
10.5.2 ISCO© Model 3210 Flow Meter Setup and Operation 140
10.5.3 ISCO© Model 3210 Flow Meter - Known problems 141
10.5.4 ISCO© Model 3210 Flow Meter - Keypad Layout and Functions: 141
10.5.5 ISCO© Model 3210 - Programming the Flow Meter 142
FLOW Measurement Checklist for WEIRS 143
FLOW Measurement Checklist for FLUMES 144
10.6 References 145
SECTION 11
SURFACE WATER SAMPLING 146
PERFORMANCE OBJECTIVE: 146

11.1 Introduction 146
11.2 Surface Water Sampling Equipment 146
11.2.1 Direct Method: Dipping Using Sample Container 146
11.2.2 Discrete Depth Samplers 147
11.2.3 Peristaltic Pumps 147
11.2.4 Buckets 147
11.2.5 Water Column Profiler/Recorder 147

SECTION 12
HELICOPTER SAMPLING PROGRAM 149
12.1 Helicopter Operations 149
12.2 Pre-take off Briefing 150

SECTION 13
SEDIMENT SAMPLING 152
13.1 Introduction 152
13.2 Sampling considerations 152
13.3 Sampling Equipment 153
13.3.1 Scoops and Spoons 153
13.3.2 Dredge and Grab samplers 154
13.3.3 Core Sampling Devices 156
13.3.4 Electronic Vibratory Core Tube Drivers (Vibracore®) 159
13.4 Special Considerations for Collection of Samples for Volatile Organic Compounds 160
13.5 References and Additional Information 161

SECTION 14
SOIL SAMPLING 162
PERFORMANCE OBJECTIVES: 162
14.1 Introduction 162
14.2 Equipment 162
14.2.1 Precautions for Trace Pollutant Soil Sampling 162
14.3 Sampling Methodology 162
14.3.1 Manual Collection Techniques and Equipment 163
14.3.2 Powered Equipment 164
14.4 Soil/Sediment Sampling (Method 5035) 165
14.4.1 Equipment 165
14.4.2 Sampling Methodology - Low Concentrations 166
14.4.3 Sampling Methodology - High Concentrations 166
14.4.4 Waste Samples 166
14.4.5 Special Techniques and Considerations 166

SECTION 15
WASTE SAMPLING 169
15.1 Introduction 169
15.1.1 Safety 169
15.1.2 Quality Control Procedures 169
15.1.3 Collection of Auxiliary Information and Data 169
15.2 Waste Unit Types 170
15.2.1 Open Units 170
15.2.2 Closed Units 171
15.3 Equipment 171
15.3.1 Waste Sampling Equipment 172

15.3.2 Ancillary Equipment for Waste Sampling 172
TABLE 15.3.1 - SAMPLING EQUIPMENT for VARIOUS WASTE UNITS 173
15.4 Waste Sampling Procedures 174
15.4.1 Waste Piles 174
15.4.2 Surface Impoundments 174
15.4.3 Drums 174
15.4.4 Tanks 176
15.5 Miscellaneous Contaminated Materials 177
15.6 Waste Sample Handling Procedures 178
15.7 References 179

SECTION 16
OBTAINING FIELD LOCATIONAL DATA MEASUREMENTS
USING GLOBAL POSITIONING SYSTEM (GPS) EQUIPMENT 180
SECTION OBJECTIVE: 180
16.1 Introduction 180
16.2 Using GPS Equipment to Obtain Locational Data 181
16.2.1 Introduction 181
16.2.2 Equipment Available 181
16.2.3 Specific Equipment Quality Control Procedures 181
16.2.4 Procedures for Differential GPS 182
16.2.5 Verification of Differentially Corrected GPS Data 182
PRO-XR w/ TSC1 & Asset Surveyor Ver 5.27 Requirements 184
16.4 References 194

SECTION 17
FIELD MEASURABLE PHYSICAL/CHEMICAL CHARACTERISTICS 195
PERFORMANCE OBJECTIVES: 195
17.1 Introduction 195
17.2 Temperature 195
17.3 Conductivity (Specific Conductance) 197
17.4 Hydrogen Ion Concentration (pH) 198
17.5 Turbidity 201
17.6 Salinity 202
17.7 Dissolved Oxygen (DO) 203
17.8 Residual Chlorine 205
17.9 Flash Point 209
17.10 Settleable Solids 210
17.12 References 213

SECTION 18
AIR MONITORING SAFETY EQUIPMENT 215
18.1 INTRODUCTION 215
18.2 CALIBRATION PROCEDURES 216
18.3 Toxic Vapor Analyzer (TVA 1000B) 219
18.4 Ludlum Model 3 Radiation Survey Meter 220
18.5 MSA (PASSPORT) FiveStar Portable Alarm 221
18.6 Location of Instruments: 224

SECTION 19
SLUDGE/BIOSOLIDS SAMPLING 225
PERFORMANCE OBJECTIVES: 225
19.1 Introduction 225

19.2 Definitions 225
19.2.1 Health and Safety 225
19.3 Sampling of Sludge/Biosolids 225
19.3 Sample Containers and Holding Times 227
19.4 References 228

APPENDIX A
EPA REGION 2 - RECOMMENDED SAMPLE VOLUMES, CONTAINERS, PRESERVATIVE(S) AND HOLDING TIMES 229
Appendix A - Table 1 230
Appendix A - Table 2
Wastewater Required Containers, Preservation Techniques, and Holding Times 233
Footnotes for 40 CFR Part 136, Table II 237

APPENDIX B
STANDARD CLEANING PROCEDURES IN THE FIELD 239
B.1 Introduction 239
B.1.1 Specifications for Cleaning Materials 240
B.1.2 Containers for Cleaning Solutions 240
B.1.3 Disposal of Solvent Cleaning Solutions 240
B.1.4 Equipment Contaminated with Concentrated Wastes 241
B.1.5 Safety Procedures for Field Cleaning Operations 241
B.1.6 Handling of Cleaned Equipment 241
B.2 Field Equipment Cleaning Procedures 241
B.2.1 "Classic Parameter" Sampling Equipment 241
B.2.2 Sampling Equipment used for the Collection of Trace Organic and Inorganic Compounds 242
B.2.3 Well Measuring Tapes 242
B.2.4 Automatic Sampler Tubing 242
B.2.5 Standard Cleaning Material Specifications 242

APPENDIX C
FIELD EQUIPMENT STANDARD CLEANING PROCEDURES 244
C.1 Introduction 244
C.1.1 Specifications For Cleaning Materials 244
C.1.2 Handling and Containers for Cleaning Solutions 245
C.1.3 Disposal of Spent Cleaning Solutions 245
C.1.4 Safety Procedures for Cleaning Operations 246
C.1.5 Handling and Labeling of Cleaned Equipment 246
C.1.6 Initial Processing of Returned Equipment 246
C.2 Trace Organic and Inorganic Constituent Sampling Equipment 246
C.2.1 Bailers, Bacon Bombs and Other Sampling Equipment Made of Teflon®, Stainless Steel, Steel, or Glass 246
C.2.2 Reusable Composite Sample and Organic/Analyte-Free Water Containers * 247
C.3 Automatic Wastewater Sampling Equipment 247
C.3.1 ISCO© and Other Automatic Samplers 247
C.3.2 ISCO© and Other Multi-bottle Samplers - Rotary Funnel, Distributor, and Metal Tube 248
C.3.3 Reusable Glass Composite Sample Containers (2.5, 3.0 or 3.5 gallon capacity) 248

C.3.4 Plastic Reusable Composite Sample Containers (4 gallon capacity) 248
C.4 Cleaning Procedures for Tubing 249
C.4.1 Silastic® Pump Tubing 249
C.4.2 Teflon® Sample Tubing 249
C.5 Cleaning Procedures for Miscellaneous Equipment 249
C.5.1 Well Tapes 249
C.5.2 Little Beaver® 249
C.5.3 Flow Measuring Equipment and Miscellaneous Sampling Equipment 250
C.5.4 Field Analytical Equipment 250
C.5.5 Ice Chests and Shipping Containers 250
C.5.6 SCBA Face-masks (and breathing hose) and Air Purifying Respirators* (APR's) 250
C.5.7 Portable Tanks for Tap Water 250
C.5.8 Vehicles 251
C.6 Preparation of Disposable Sample Containers 251
C.6.1 Introduction 251
C.6.2 Plastic Containers used for "Classical" Parameters 251
C.6.3 Glass Bottles for Semi-Volatile GC/MS Analytes 251
C.6.4 Plastic Bottles for Metal Analytes 252
C.6.5 Glass Bottles for Volatile GC/MS Analytes 252

APPENDIX D
SAMPLE SHIPPING PROCEDURES 254
D.1 Introduction 254
D.2 Shipment of Dangerous Goods 254
D.3 Shipment of Environmental Laboratory Samples 254
D.4 References 258

APPENDIX E
PUMP OPERATING PROCEDURES 260
E.1 Peristaltic Pump 260
E.1.1 Introduction 260
E.1.2 Purging with a Peristaltic Pump 260
E.1.3 Sampling with a Peristaltic Pump 261

APPENDIX F
REGIONAL TECHNICAL SUPPORT FOR CRIMINAL INVESTIGATIONS 262
F.1 Technical Assistance Required by Region 2 CID 262
F.2 Project Requests 263
F.3 Project Coordination 263
F.4 Project Planning 264
F.5 Field Investigation 264
F.6 Laboratory Support 265
F.7 Final Report 265
F.8 Document Control 266
F.9 Sample Disposal 266

APPENDIX G
BATTERY CHARGING AND STORAGE OPERATIONS 267
G.1 Battery Maintenance 267
G.2 Charging Batteries 267

APPENDIX H
DESA/MAB's PROCEDURE FOR COMPILING, DISTRIBUTING, AND TRACKING INSPECTION REPORTS FOR NPDES, RCRA, AND OTHER PROGRAMS 269
DEFICIENCY NOTICE AND NOTICE of NON-COMPLIANCE PROCEDURES . 272

SECTION 11
SURFACE WATER SAMPLING

PERFORMANCE OBJECTIVE:

- To collect a representative sample of the surface water of interest.

11.1 Introduction

Surface water sampling techniques and equipment are designed to minimize effects on the chemical and physical integrity of the sample. If the guidance provided in this section is followed, a representative sample of the surface water should be obtained. The physical location of the investigator, when collecting a sample may dictate the equipment to be used. If surface water samples are required, direct dipping of the sample container into the stream is desirable. This is possible, however, only from a small boat, a pier or bridge, etc., or by wading in the stream. Wading, however, may cause the re-suspension of bottom deposits and bias the sample. Wading is acceptable if the stream has a noticeable current (is not impounded), and the samples are collected while facing upstream. If the stream is too deep to wade, or if the sample must be collected from more than one water depth, or the sample must be collected from a bridge, etc., supplemental sampling equipment must be used.

Once samples have been collected, and placed into a properly labeled sample container, the sample should be preserved, if necessary. If a pre-preserved sample bottle is used, take care not to overfill it. Depending on the parameter to be analyzed, cool the sample to 4 degrees Centigrade and place out of direct sunlight. Record all pertinent data in the site logbook and/or on field data sheets, and complete the Chain of Custody record, if needed. If shipping, attach custody seals to the cooler prior to shipment.

11.2 Surface Water Sampling Equipment

11.2.1 Direct Method: Dipping Using Sample Container

A sample may be collected directly into the sample container when the surface water source is accessible by wading, or other means. This method is not to be used for sampling areas where contact with pollutants is a concern.

Using adequate protective clothing, access the sampling station by appropriate means. For shallow stream stations, collect the sample under the water surface while pointing the sample container upstream; the container must be upstream of the collector. Avoid disturbing the substrate. For lakes and other impoundments, collect the sample under the water surface avoiding surface debris and the boat wake. When using the direct method, do not use pre-preserved sample bottles as the collection method may dilute the concentration of preservative necessary for proper sample preservation. The surface water sample should always be collected prior to the collection of a sediment sample at the same location.

11.2.2 Discrete Depth Samplers

When discrete samples are desired from a specific depth, and where site access is from a boat, helicopter or structure such as a bridge or pier, a standard Kemmerer or Van Dorn sampler may be used. The Kemmerer sampler is a stainless steel, brass, or teflon cylinder with rubber stoppers that leave the ends of the sampler open while being lowered in a vertical position, thus allowing free passage of water through the cylinder. The Van Dorn sampler is plastic and is lowered in a horizontal position.

Set the sampling device so that the sampling end pieces are pulled away from the sampling tube (body) and place in a cocked opened position allowing the substance to be sampled to pass through this tube. Lower the preset sampling device to the predetermined depth, and avoid disturbing the bottom sediments. Once at the required depth, a "messenger" is sent down a rope to cause the stoppers to close the cylinder. Retrieve the sampler and discharge the sample from the bottom drain. Discard the first 10-20 mls of samplle to clear any potential contamination of the valve. Transfer the sample to the appropriate sample container.

With a plastic or rubber tube attached to the valve, dissolved oxygen sample bottles (BOD bottles) can be properly filled by allowing an overflow of the water being collected. Insert the plastic or rubber tube to the bottom of the bottle. Fill the bottle to overflowing for approximately 10 seconds, while trying to minimize turbulence and the formation of bubbles while filling. When filling other bottles, care should be taken not to make contact between the sampling device and the bottle.

11.2.3 Peristaltic Pumps

Another device that can be effectively used to sample a water column, such as a shallow pond, is the peristaltic pump. The use of a metal conduit to which the tubing is attached, allows for the collection of a vertical sample (to about a 25-foot depth) which is representative of the water column. Or a weight attached to the tubing can be used to collect a discrete sample. At each sampling point the tubing should be new or properly cleaned and flushed with sample.

11.2.4 Buckets

A plastic bucket can be used to collect samples for in-situ analyses, e.g., pH, temperature and conductivity. However, the bucket should be rinsed twice with the sample water prior to collection of the sample.

11.2.5 Water Column Profiler/Recorder

When an *in situ* water column profile of depth, temperature, conductivity, and/or dissolved oxygen is needed, a water column recorder can be operated from a vessel of any size, although having a mechanism to raise and lower the profiler is helpful. The SEABIRD Sealogger model 25 profiler consists of a set of sensors and electronics enclosed in a steel protective cage to allow collection of water column data in marine or fresh-water environments to depths of 6800 m. Data can be transmitted in real-time if the communication/power cable is connected or the data can be downloaded when the instrument is on-board. Software is available from SEABIRD for system configuration, communication, and data processing. Readings can be taken automatically at a frequency of 1, 2, 4, or 8 times a second. Sensors for pH, chlorophyll, photosynthetically

active radiation (PAR) can added. A carousel can also be added to obtain water samples.

The SEABIRD manual can be found at:
http://www.seabird.com/pdf_documents/manuals/25_013.pdf

SECTION 13
SEDIMENT SAMPLING

PERFORMANCE OBJECTIVE:

- To collect a representative sample of sediment from a surface water body.

13.1 Introduction

Sampling techniques and equipment are designed to minimize effects on the chemical and physical integrity of the sample. If the guidance in this section is followed, a representative sample of the sediment should be obtained. The physical location of the investigator when collecting a sample may dictate the equipment to be used. Wading is the preferred method for reaching the sampling location, particularly if the stream has a noticeable current (is not impounded). However, wading may disrupt bottom sediments causing biased results. If the stream is too deep to wade, the sediment sample may be collected from a boat. The equipment that can be used to collect sediment samples will vary based on the physical location of the sediment, its particle size distribution and compaction, and the final use of the data. The sediment collection information presented is mainly taken from Methods for Collection, Storage, and Manipulation of Sediments for Chemical and Toxicological Analyses (USEPA, 2001), Assessing Aquatic Ecosystems Using Pore Waters and Sediment Chemistry (Burton, 1998), and an EPA Technology website on Sampling for Contaminants in Sediments and Sediment Pore Water (which can be found on the internet at: http://clu-in.org/programs/21m2/sediment/. The technology website provides a survey of the equipment that can be used to collect sediment and pore water samples. The website also provides useful diagrams of most of the sampling equipment that is used to collect sediment samples.

13.2 Sampling considerations

The physical location considerations include the depth of the water body overlying the sediment and the strength of the current present. Unless the sampling event is to occur in a very shallow environment, a bathymetric survey, conducted prior to choosing the sampling equipment is recommended, and a general understanding of the current to be encountered needs be obtained. Particle size distribution and compaction generally dictate whether a given sampling device is capable of obtaining a sample of the target sediment. Coring devices are usually not effective in gravelly bottoms, and grab samplers may have problems in areas where there is extensive vegetative debris or compacted sediment.

The data quality objectives established for the project determines the depth horizon needed for the sediment sample, the volume required, and the acceptable degree of disturbance. For investigations concerned with recent contamination events or the affects of contaminated sediments on the benthic community, the sampling horizon is generally in the 10 to 15 cm range (EPA, 2001). On the other hand, if historical deposition patterns are the focus, or the actual thickness of contaminated sediment is needed for remedial evaluations, then the required depth may extend to several meters or more.

The type of chemical or toxicological testing that needs to be performed influences both the required volume of sediments and the amount of disturbance that can be tolerated. A full chemical suite of analytical testing for the presence of contamination requires a large volume of

sediments which will result in some degree of disturbance. When the concern is bioavailability, a large quantity of sediments may be required for testing while preserving the in situ redox conditions to the extent possible (EPA, 2001). Preserving redox conditions requires maintaining the sample's integrity by minimizing disturbances in the sediment's structure and exposures to conditions (atmospheric oxygen) that might change the chemical balance (EPA, 2001). Also the materials the sampler is constructed of needs to be evaluated to determine if they will have any impact on the chemical integrity of the sample.

Typical volume requirements for various analyses for the EPA Region 2 laboratory are found in Appendix A of this SOP. The EPA Technology website on Sampling for Contaminants and Sediments and Sediment Pore Water (which can be found on the internet at: http://clu-in.org/programs/21m2/sediment/, provides information on the advantages and disadvantages of the more commonly used core samplers and grab samplers (see Tables 2 and 3, respectively). In addition, Tables 2 and 3 of the EPA Technology website, also provides information pertaining to the depth of sample that can be taken, and the volume of material, that can be collected by each sampling device.

The bioavailability of chemicals in sediments is often estimated using sediment pore water (Burton, 1998). Pore water can be obtained by ex-situ (centrifuge, suction, or pressure) methods or in situ (probe pumping or diffusion) methods. While in situ methods generally are better than ex situ at preserving the samples integrity, logistical constraints such as the depth of the water, or the volume of sample required, sometimes leave ex situ methods as the only viable choice. If ex situ methods are needed, centrifugation is the preferred method (EPA, 2001).

13.3 Sampling Equipment

In addition to the physical conditions at a site (water depth, sediment type, current strength), the choice of sampler from among the wide variety available depends on what the data objectives are (e.g., undisturbed core to determine sedimentation history, maintenance of sample redox conditions, sample analysis volume requirements). Sampler descriptions may be divided into two large groups: those capable of providing sediment solids and pore water and those capable of collecting pore water alone.

Regardless of the method used, precautions should be taken to insure that the sample collected is representative of the water body. These methods are discussed in the following paragraphs.

13.3.1 Scoops and Spoons

If the surface water body is wadeable, the easiest way to collect a sediment sample is by using a plastic or stainless steel scoop or spoon. Sampling is accomplished by wading into the surface water body and while facing upstream (into the current), scooping the sample along the bottom of the surface water body in the upstream direction. Excess water may be removed from the scoop or spoon. However, this may result in the loss of some fine particle size material associated with the bottom of the surface water body. Care should be taken to minimize the loss of the fine particle sizes. Aliquots of the sample are then placed in a stainless steel or glass pan, and homogenized according to the quartering method described in Section 5.11.8 of this SOP.

13.3.2 Dredge and Grab samplers

Although similar in mechanical design to grab samplers, dredges are generally designed to efficiently remove bottom sediments with little regard for maintaining the integrity of the sediment. The bucket and dipper designs are examples of these. In the bucket design (e.g. clamshell and orange peel), the device is dropped into the sediment with its jaws open. After penetrating the sediment, the jaws are closed and the bucket of sediment is raised to the surface. Newer designs make the closed bucket water proof so potentially contaminated water does not drain out the bottom. However, these designs can cause considerable disturbance of the sediment stratigraphy, and washout of surficial materials is common. The dipper design resembles the surface operating steam shovel where a rigid bucket is driven into the sediment in a scooping motion before bringing the sediment to the surface. This design also is subject to severe washout problems. Dredge samplers are generally not recommended for environmental sampling, but may be useful in benthic collection (EPA, 2001).

Grab samplers are designed to minimize the bow wave caused by the sampler's descent. They typically do this by incorporating flaps on the top of the sampler that open as the sampler moves down to allow water to pass through rather than being pushed ahead. Also, unlike the dredging equipment, grab samplers are designed to minimize disturbance of the sediment when the sample is taken and brought to the surface. The flaps mentioned above are closed during ascent to protect the surface of the sample and prevent washout.

- **Birge-Ekman** style grab samplers vary in size, with larger models requiring a winch for operation. The spring-tensioned jaws are mounted on pivot points and are set with a trigger assembly that is activated from the surface by weighted messenger. Flaps on the top of the sampler open during descent to allow water to flow freely through, and close during ascent to reduce the loss of sample. The sediment can be subsampled through the flaps. Birge-Ekman samplers are suitable for collecting, soft, fine-grained sediments. Larger matrices (gravel, shells) and vegetative matter tend to prevent the jaws from fully closing, which results in sample loss and the need to resample (Resources Inventory Committee, 1998). Birge-Ekman samplers may be restricted to low current situations, and have been known to lose fine surface sediments during retrieval. The Birge-Eckman dredge has only limited usefulness. It performs well where the bottom material is unusually soft, as when covered with organic sludge, or light mud. It is unsuitable, however, for sandy, rocky, and hard bottoms, and is too light for use in streams with high velocities. It should not be used from a bridge that is more than a few feet above the water, because the spring mechanism which activates the sampler can be damaged by the messenger if dropped from too great a height.

- **Petersen** grab samplers consist of a pair of weighted, semi-cylindrical jaws that are held open by a catch bar. The impact with the sediment loosens the tension on the catch bar allowing the jaws to close. Additional weights can be added to the jaws to provide better penetration into harder compacted sediment. As there is no access through the top of the sampler, only bulk samples can be taken. Petersen samplers are suitable for collection of hard bottom material such as sand, marl, gravel, and firm clay (Resources Inventory Committee, 1998). These samplers are restricted to low current conditions and may produce a bow/shock wave that disturbs fine grained sediments. For routine analyses, the Peterson dredge can be used when the bottom is rocky, in very deep water, or when the stream velocity is

high. The dredge should be lowered very slowly as it approaches bottom, since it can displace and miss fine particle size sediment if allowed to drop freely. In the presence of cobbles or vegetative debris the jaws may not completely close.

- **Ponar** grab samplers come in two sizes (standard and petite) and have a pair of weighted, tapered jaws that are held open by a catch bar. The sampler is triggered by impact with the sediment bottom. The upper portion of the sediment jaws is covered with a mesh screen that allows water to freely flow during descent, thereby reducing the bow wave that precedes the sampler and reduces disturbance of the sediment surface. Upon recovery, the wire mesh can be removed to allow subsampling. Ponar grabs can sample fine-grained to coarse materials (Resources Inventory Committee 1998). The standard sampler is heavy and requires a winch for deployment. However, the 1-liter petite may not penetrate the sediment to the desired depth and may require multiple deployments to obtain sufficient sediment sample. Both samplers are subject to incomplete closure and loss of sample in large grained sediments, or those with vegetative matter. The Ponar dredge is a modification of the Peterson dredge and is similar in size and weight. It has been modified by the addition of side plates and a screen on the top of the sample compartment. The screen over the sample compartment permits water to pass through the sampler as it descends thus reducing turbulence around the dredge. The Ponar dredge is easily operated by one person in the same fashion as the Peterson dredge. The petite Ponar dredge is a smaller, much lighter version of the Ponar dredge. It is used to collect smaller sample volumes when working in industrial tanks, lagoons, ponds, and shallow water bodies. It is a good device use when collecting sludge and sediment containing hazardous constituents, because the size of the dredge makes it more amenable to field cleaning.

- **Shipek** grab samplers have a top cast half cylinder barrel attached to a lowering wire with stabilizing bars to keep the sampler vertical. Within this barrel is a second sampling cylinder that is activated by a high torque spring. When activated, the second cylinder rotates 180 degrees through the sediment and forms a seal with the upper cylinder. The sample is removed from the sampler by disconnecting it from the upper assembly. The sampler is designed for unconsolidated sediments in deep lakes and near offshore locations to a depth of approximately 10 cm. Hard, compacted sediments can present sampling problems and washout of fines can occur during the ascent of the sampler from the bottom have been reported with some designs. Large objects such as pieces of wood or shells can be trapped as the sampler closes, causing washout when it is drawn to the surface.

- **Smith-McIntyre** grab samplers are mounted on steel frames that can be weighted and ensure the sampler remains vertical. The two spring-loaded jaws are released when the frame comes to rest on the bottom. The jaw tops are covered with brass screens and rubber flaps to minimize the bow wave on the descent and prevent sample washout on the ascent. The sediment sample can be subsampled from the top of the sampler. The typical sampled area is about 31 cm by 31 cm square. Smith-McIntyre samplers can sample soft, fine-grained to sandy sediments and are designed primarily for deployment in marine environments. The sampler requires a power winch to deploy.

- **Van Veen** grab samplers are manufactured in several sizes. A stainless steel screen with rubber flaps covers the top of the jaws. This design allows the sampler to be lowered to the bottom with a minimum bow wave, thus preserving the integrity of the sediment surface. Upon reaching the bottom the tension in the lowering wire slackens, releasing the small chains holding the jaws open. Pulling up on the lowering chain engages the chains attached to the jaw arms, causing them to bite into the sediments and close. Latches on the jaws ensure they stay closed. The sediment sample may be subsampled through the removal of the screens on the jaws. Lead weights are available to improve the sampler's penetration into the sediment. This sampler is effective in fine-grained to sandy sediments that are in deep water and strong currents. The sampler may not close completely resulting in loss of sediments and requires a winch to deploy.

13.3.3 Core Sampling Devices

Core samplers are used to sample vertical columns of sediment. They are particularly useful when a historical picture of sediment deposition is desired since they preserve the sequential layering of the deposit, and when it is desirable to minimize the loss of material at the sediment-water interface. Many types of coring devices have been developed depending on the depth of water from which the sample is to be obtained, the nature of the bottom material, and the length of core to be collected. They vary from hand push tubes to electronic vibrational core tube drivers.

Coring devices are particularly useful in pollutant monitoring because turbulence created by descent through the water is minimal, thus the fines of the sediment-water interface are only minimally disturbed; the sample is withdrawn intact permitting the removal of only those layers of interest; core liners manufactured of glass or Teflon® can be purchased, thus reducing possible sample contamination; and the samples are easily delivered to the lab for analysis in the tube in which they were collected. The disadvantage of coring devices is that a relatively small surface area and sample size is obtained often necessitating repetitive sampling in order to obtain the required amount of material for analysis. Because it is believed that this disadvantage is offset by the advantages, coring devices are recommended in sampling sediments for trace organic compounds, or metals analyses.

In shallow, wadeable waters, the direct use of a core liner, or tube, manufactured of Teflon®, plastic, or glass is recommended for the collection of sediment samples. (Plastic tubes are principally used for collection of samples for physical parameters such as particle size analysis). Their use can also be extended to deep waters when SCUBA diving equipment is utilized. Teflon® or plastic are preferred to glass since they are unbreakable which reduces the possibility of sample loss. Stainless steel push tubes are also acceptable and provide a better cutting edge and higher strength than Teflon®. The use of glass or Teflon® tubes eliminates any possible metals contamination from core barrels, cutting heads, and retainers. The tube should be approximately 12 inches in length if only recently deposited sediments (8 inches or less) are to be sampled. Longer tubes should be used when the depth of the substrate exceeds 8 inches. Soft or semi-consolidated sediments such as mud and clays have a greater adherence to the inside of the tube, and can be sampled with larger diameter tubes. Because coarse or unconsolidated sediments such as sands and gravel tend to fall out of the tube, a small diameter is required for them. A tube about two inches in diameter is usually the best size. The wall thickness of the tube should be about 1/3 inch for Teflon®, plastic, or glass. The inside wall may be filed down at the bottom of the tube to provide a cutting edge to facilitate entry of the liner into the

substrate. Caution should be exercised not to disturb the bottom sediments when the sample is obtained by wading in shallow water. The core tube is pushed into the substrate until four inches or less of the tube is above the sediment-water interface. When sampling hard or coarse substrates, a gentle rotation of the tube while it is being pushed will facilitate greater penetration and decrease core compaction. The top of the tube is then capped to provide a suction and reduce the chance of losing the sample. A Teflon® plug or a sheet of Teflon® held in place by a rubber stopper or cork may be used. After capping, the tube is slowly extracted with the suction and adherence of the sediment keeping the sample in the tube. Before pulling the bottom part of the core above the water surface, it too should be capped.

In deeper, non-wadeable water bodies, sediment cores may be collected from a bridge or a boat using different coring devices such as Ogeechee Sand Pounders®, gravity corers and vibrating coring devices. All three devices utilize a core barrel with a core liner tube system. The core liners can be removed from the core barrel and replaced with a clean core liners, as needed, after each sample. Liners are made of either stainless steel, Teflon or plastic. The type of core liner, and its composition, should be based on the compounds that will be analyzed.

Ogeechee Sand Pounders® and gravity corers are hand held devices that use a standard size 2" core barrel. The core tube and liner are interchangeable between the two units. The Ogeechee® uses a slide hammer mechanism attached to the core head that allows the sampler to pound the core tube into the sediment. The Ogeechee® is good for sandy, more consolidated sediments. The gravity corer uses a guiding fin mechanism with a built in gravity type check valve. The gravity corer is placed in the water and released at the surface to free fall to the bottom. The fin mechanism keeps the core tube upright and free from spinning in the water column as it descends. The core tube stabs the bottom forcing the sediment into the tube. Both coring devices are equipped with removable nose pieces on the core barrel and disposable core catchers for the liner tubes. The core catchers are designed to cap the liner tube to avoid loss of the core when retrieved from the bottom. The gravity corer can be modified to attach a slide hammer mechanism, similar to the Ogeechee®, to further pound the corer into the sediment further if deemed necessary.

Sediment cores collected from most hand operated coring devices can suffer from either spreading or compaction when driven into the sediment, depending on the softness of the sediment. Spreading occurs when the sediment is pushed, or moved to the side, during the advancement of the core tube. Compaction is when the sediment is being pushed downward as the core tube is advanced. Both phenomena can affect the physical integrity of core sample. For instance, the core tube may be advanced through the sediment to a depth of 36 inches, but upon examination of the recovered core there are only 24 inches of sediment in the core tube.

- **Hand Corers** are generally suitable for collecting sediment samples in marshes, streams, and shallow rivers, or at some depth by a diver. Depending upon the sediment composition, the samples typically are less than 1 meter in depth. Samplers need to be equipped with a top valve that allows water to pass through when set in the sediment and closes during withdrawal to prevent washout. An alternative design is a piston type device that forms a seal with the corer walls and is drawn or pushed up as the sample is collected. The piston maintains a vacuum against the top of the sediment which aids in its retention and prevents water from entering the sampler during withdrawal.

- **Russian Peat Borers** are another form of hand corer that are side filling and are

designed to collect relatively uncompressed sediment samples. The components of the borer include a stainless steel, chambered core tube; extension rods, a stainless steel turning handle; and a core head and bottom point that support a stainless steel cover plate. The cover plate is curved and sharpened to minimize disturbance when the sampler is driven into the sediment. Once driven to the target depth, the core tube is rotated clockwise to fill the tube by cutting out a segment of sediment. The borer is capable of obtaining samples at depths of 10 feet or more, with little sample loss (USEPA, 1999).

- **Ogeechee™ Sand Corers** are another form of hand corer that have been designed to specifically sample sandy sediments. The corer consists of a core head that contains a check valve that can be manually closed by the operator, a stainless steel core body with plastic liner and core catcher, and driving tip. The sampler can be twisted or hammered into the sediment. Extension handles allow for sampling in deeper water (15 feet) and it can be used in fast moving water that can adversely affect the performance of gravity type corers.

- **Alpine gravity corers** are finless with a heavy (45 kg, 100 lb) lead weight attached at the top. The core tube ID is 4.1 cm and can be up to 1.8 m (6 ft) long. A valve at the top of the sampling tube is maintained by a light spring that allows the valve to open during descent and close after the sampler penetrates the sediment. The closed valve protects the sample from washout during ascent. It has been reported that this sampler may have problems entering the sediments vertically. Also, examination of the cores showed sheared laminae and disturbed surfaces of the sediment samples.

- **Benthos gravity corers** weigh approximately 25 kg (55 lbs), and with extra lead weights, require a winch or crane to deploy. The core tube ID is 6.6 cm, and the upper section has been equipped with fins to aid in vertical descent. The core tube can recover up to 3 m of sediment. A removable valve system, located at the top of the core liner, allows water to pass through during descent. The valve closes against a machined seat when the retrieval process is begun to prevent wash out. Benthos gravity corers may compact the sediment sample.

- **Boomerang corers** are free falling samplers that weigh approximately 85 kg (187 lbs) and are deployed directly from the side of a boat. They utilize a disposable ballast section (nose cone, pilot weight, core barrel, weights, float release mechanism), and a retrievable float section (two glass spheres tethered to a core assembly). The core assembly consists of a 1.2 m by 6.7 cm ID clear plastic liner with a stainless steel catcher and top cover valve. After the corer strikes the sediment surface, the glass spheres are released, and they pull the liner from the core tube and float to the surface. Sampling depths of up to 9,000 m are possible.

- **Box corers** are rectangular gravity corers that come in a variety of sizes. They can take large relatively undisturbed samples in soft sediment and are excellent for sediment water interface studies. There are two basic designs: an Ekman type where two bottom flaps can be triggered, and the jaws close much like the Ekman

grab sampler; and the Reinecke design where a shovel like device slides across the base of the corer. In general, these corers are large and can only be operated from a boat with a large lifting capacity [2,000 - 3,000 kg (4,400 - 6,600 lbs)] and sufficient deck space to accommodate it.

- **Piston corers** are capable of taking cores up to 20 m long. They generally consist of stabilizer fins, weighted head, core barrel, piston, core retainer, cutting head, and trigger mechanism, and they are deployed by a boat equipped with a crane. The corer is not allowed to free fall from the surface. A pilot weight or corer is attached to the release mechanism by wire. The length of the wire determines when the corer is released and the distance it falls. Piston corers are generally employed for sediment studies in oceans and large lakes. Problems have been reported regarding shortened samples and disturbed/missing surficial (up to 1 m) sediments when using piston corers.

- **Phleger corers** weigh about 8 kg (17 lbs) without additional lead weights and have a core tube ID of 3.5 cm (1.2 inches). The top part of the corer has fins for stabilization and an area for adding weights to increase penetration. A valve assembly at the top of the coring tube consists of a tapered bung that can slide in two directions - up during descent to allow water to flow through thereby decreasing the bow wave, and down during ascent to form a seal on the tapered tube seating, and thus prevent washout and aid in sample retention. This sampler is generally deployed from a boat to sample soft to sandy sediments and semi-compacted material in shallow lakes or marshes. The small sample size can be an issue when chemical or biological analyses require larger volumes.

- Standard **Kajak-Brinkhurst corers** weigh about 9 kg (19.8 lb) without additional lead weights and have a core tube ID of 5 cm (2 in). Unrestricted water flow through the sampler during descent minimizes bow wave affects. A valve located at the top of the sampling tube closes during ascent to prevent washout. The sampler is suitable for taking soft, fine-grained sediment samples to a maximum depth of about 70 cm. While the standard Kajak-Brinkhurst corer is hand deployable from a boat, heavier versions may require a winch.

13.3.4 Electronic Vibratory Core Tube Drivers (Vibracore®)

The Rossfelder P-1 Vibrocorer can be used to collect sediment core samples in unconsolidated sediments that require minimal disturbance and compaction of the sample core. The Vibrocorer is assembled on the deck of the sampling vessel. A polyethylene liner is placed inside the core tube using a retractable tape measure. The liner should extend six inches beyond each end of the core tube and is then cut at each end with an exacto knife. At the bottom of the core tube, the liner is pulled back over the outside of the core tube. A stainless steel nose cone and core catcher is placed in the bottom of the core tube and attached with pop rivets using a hand riveter. The top of the core tube is attached to the vibration head unit using an adjustable wrench. The assembled unit is then raised using a power winch and A-frame. The Vibrocorer is lowered over the back side of the sampling vessel until it makes contact with the sediment at the desired sampling location. A 10-foot section of the lift cable is marked with a grease pen to measure the distance the unit has advanced through the sediment. The vibration head is turned on while

holding the unit steady. After the Vibrocorer has advanced to the desired depth, the vibration head is turned off and the assembled unit is retrieved using the power winch and A-frame. The unit is placed on the deck and the penetration depth is recorded by visually inspecting the outside of the core tube. The unit is then hosed down with site water. The top of the core tube is disassembled from the vibration head using an adjustable wrench. The nose cone and core catcher are removed from the core tube by removing the rivets with a chisel. The polyethylene liner is pulled out of the core tube with the undisturbed sediment core inside. The length of the sediment core is measured and recorded in the field notebook. The polyethylene liner is cut with an exacto knife and the sediment core description is logged in the field notebook. Depending on the objective of the sampling survey, the sediment core is either sampled at discreet intervals or placed in a 5-gallon pail. Also, the entire sediment core can be archived by sealing the ends of the polyethylene liner with twist ties. Each end should be marked "top" or "bottom". At the completion of the core sampling, the work area is hosed down with site water and the core tube is decontaminated using standard procedures. The sampling vessel is moved to the next location and the procedure is repeated.

13.4 Special Considerations for Collection of Samples for Volatile Organic Compounds

Samples collected for volatile organic compound analyses must be collected prior to any sample homogenization, as described in Section 5.11.8. Regardless of the method used for collection, the aliquot for volatile organic compound analyses must be collected directly from the sampling device, to the extent practical, using equipment and methods described in Section 14.4. The aliquot should be collected directly from the device, such as a hand auger bucket or scoop, if possible. If a device such as a dredge is used, the aliquot should be collected after the sample is placed in the mixing container prior to mixing.

In some cases, the sediment may be soft and not lend itself to collection by plunging an EnCore™, or syringe, samplers into the sample matrix. In these cases, it is appropriate to open the sample device, i.e., the EnCore™ barrel, or syringe, prior to sample collection, and to carefully place the sediment in the device, filling it fully with the required volume of sample. Additional information is on the EnCore™ sampler is provided in section 14.

13.5 References and Additional Information

1. Methods for Collection, Storage, and Manipulation of Sediments for Chemical and Toxicological Analyses, Technical Manual, October 2001. EPA-823-B-01-002. This document is available on the internet as a PDF file at: http://www.epa.gov/waterscience/cs/collectionmanual.pdf

2. Assessing Aquatic Ecosystems Using Pore Waters and Sediment Chemistry (Burton, 1998), Natural Resources Canada.

3. An EPA Technology website on Sampling for Contaminants in Sediments and Sediment Pore Water, found on the internet at: http://clu-in.org/programs/21m2/sediment/

4. Handbook of Techniques for Aquatic Sediment Sampling, Second Edition,1994. ISBN: 1566700272. By Alena Mudrock, and Scott D. MacKnight.

5. Guidance for Sediment Quality Evaluations, November 1998. New Jersey Department of Environmental Protection. This reference may be found on the internet at: http://www.state.nj.us/dep/srp/regs/sediment/

6. For Quality Assurance/Quality Control information, consult Section 5.

7. For information about recommended containers, holding times and sample preservation is listed in Appendix A-1.

8. Consult Appendices B and C for cleaning procedures.

9. See Appendix D for sample shipping procedures.

10. If required, consult Appendix F for information related to criminal investigations.

SECTION 14
SOIL SAMPLING

PERFORMANCE OBJECTIVES:

To collect a soil sample that is representative of conditions as they exist at the site:

- By selecting the appropriate sampling device(s);
- By taking measures to avoid introducing contamination as a result of poor sampling and/or handling technique;
- By reducing the potential of cross contamination between samples.

14.1 Introduction

Prior to conducting a soil sampling investigation, a sampling strategy should be developed based on the objectives of the investigation (Section 5.5 of this SOP contains a discussion of soil sampling strategies). After developing a soil sampling strategy, the appropriate equipment and techniques must be used to conduct the investigation. This section discusses the various soil sample collection methods, sample handling, and available sampling equipment which has been shown to be technically appropriate.

14.2 Equipment

Selection of equipment is usually based on the depth of the samples to be collected, but it is also controlled to a certain extent by the characteristics of the soil. Manual techniques and equipment such as hand augers are usually used for collecting surface or shallow, subsurface soil samples. Power operated equipment is usually associated with deep sampling, but can also be used for shallow sampling when the bore hole begins to collapse, or when the soil is so tight that manual sampling is not practical.

14.2.1 Precautions for Trace Pollutant Soil Sampling

All soil sampling equipment used for sampling trace pollutants should be constructed of inert materials, such as stainless steel, where possible. Pans used for mixing should be made of Pyrex® (or equivalent) glass. In no case will chromium, cadmium, galvanized, or plated equipment be used for soil sampling when trace levels of inorganic pollutants are of concern. Similarly, no painted or plastic equipment may be used where trace levels of organic pollutants are of concern. Paint, scaly or heavy rust and grease must be removed before use, most often by sandblasting the equipment. Ancillary equipment such as auger flights may be constructed of other materials since this equipment does not come in direct contact with the samples. The procedures outlined in Section 5.11.7 should be followed.

14.3 Sampling Methodology

This discussion of soil sampling methods reflects both the equipment used to collect the sample

as well as how the sample is handled and processed after retrieval. Selection of equipment is usually based on the depth of sampling, but it is also controlled, to a certain extent, by the characteristics of the material. Simple, manual techniques and equipment, such as hand augers, are usually selected for surface, or shallow, subsurface soil sampling. As the depth of the sampling interval increases, some type of powered sampling equipment is usually needed to overcome the friction induced by soil resistance and depth. The following is an overview of the various sample collection methods employed over three general depth classifications: surface, shallow subsurface, and deep subsurface. Any of the deep collection methods described may be used to collect samples from the shallower intervals.

14.3.1 Manual Collection Techniques and Equipment

These methods are used primarily to collect surface and shallow subsurface soil samples. Surface soils are generally classified as soils between the ground surface and 6 to 12 inches below ground surface. The shallow subsurface interval may be considered to extend from approximately 12 inches below ground surface to a site-specific depth at which sample collection using manual methods becomes impractical.

Surface Soils

Surface soils may be collected with a wide variety of equipment, if constructed of appropriate materials. Spoons or hand-augers are typically used to collect surface soil samples. If a thick, matted root zone is encountered at or near the surface, it should be removed before the sample is collected. The collected soil is placed in a pan, thoroughly mixed, (Section 5.11.8), and placed in the appropriate sample container(s). Section 13.4 contains specific procedures for collecting and handling soil samples for volatile organic compounds analysis.

Shallow Subsurface Soils

Hand augers are the most common equipment used to collect shallow subsurface samples. Typically, 4-inch auger-buckets with cutting heads are pushed and twisted into the ground, then removed as the buckets are filled. The auger holes are advanced one bucket at a time. The practical depth of investigation using a hand-auger depends upon the soil properties. In sand, auguring is usually easily performed, but the depth of collection is limited to the depth at which the sand begins to flow back into the hole. At this depth, the bore hole will usually collapse and cannot be advanced. Deeper sampling must be accomplished using power equipment. Hand auguring may also be of limited use in tight clays or cemented sands. Regardless of the soil type, at depths approaching 20 feet sidewall friction may become so severe that power equipment must be used.

Power augers such as the Little Beaver® may be used to advance the borehole where hand augers are impractical. Power augers are a sampling aid, not a sampling device, and can be used to advance a borehole to approximately 20 feet, depending upon soil conditions. If power augers are used to advance the borehole, care must be taken that exhaust fumes, gasoline, and\or oil do not contaminate the borehole. The soil sample may then be collected using a hand auger. After the sample has been collected, the borehole may again be advanced (if necessary), and additional samples collected. The auger bucket must be replaced between samples with a properly decontaminated auger bucket. When a new borehole is advanced, the entire hand auger assembly must be replaced with a properly decontaminated hand auger assembly. If the borehole

is advanced using a hand auger, upon reaching the desired sampling depth replace the bucket with a properly decontaminated bucket. The sample may then be collected. After the sample has been collected, the borehole may be advanced (if necessary) with the bucket that was used to collect the sample. Each sample must be collected using a properly decontaminated bucket.

Before the soil is placed in a pan, it is necessary to remove the top several inches of soil to minimize the possibility of cross-contamination of the sample from fall-in of material from the upper portions of the hole. Once the soil is placed in a pan, it is thoroughly mixed, (Section 5.11.8), and placed in the appropriate sample container(s). Section 13.4 contains specific procedures for collecting and handling soil samples for volatile organic compounds analysis.

14.3.2 Powered Equipment

Powered equipment may be used to acquire soil samples from any depth (surface, shallow subsurface, and deep subsurface). When power equipment is used to advance the borehole and collect the sample, care must be taken that exhaust fumes, gasoline, and\or oil do not contaminate the borehole and the sample. Among the common types of powered equipment used to collect subsurface soil samples are splitspoon samplers driven with a drill rig drive-weight assembly or pushed using drill rig hydraulics; continuous split-spoon samplers; direct-push rigs; and back-hoes. The Region 2 office does not own this type of equipment, however, contractors may be hired to perform work involving this equipment. Therefore, a brief description of this equipment is provided below.

Drill Rigs

Drill rigs offer the capability of collecting soil samples from greater depths. For all practical purposes, the depth of investigation achievable by this method is controlled only by the depth of soil overlying bedrock, which may be in excess of 100 feet.

Split-spoon samplers are usually driven either inside a hollow-stem auger or an open borehole after the auger(s) have been temporarily removed. The spoon is driven with a 140-pound hammer through a distance of up to 24 inches and removed.

Continuous split-spoon samplers may be used to obtain five-foot long, continuous samples approximately 3 to 5 inches in diameter. These devices are placed inside a five-foot section of hollow-stem auger and advanced with the auger during drilling. As the auger advances, the central core of soil moves into the sampler and is retained. Before the soil is placed in a pan, it is necessary to remove the top several inches of soil to minimize the possibility of cross-contamination of the sample from fall-in of material from the upper portions of the hole. Once the soil is placed in a pan, it is thoroughly mixed, (Section 5.11.8), and placed in the appropriate sample container(s). Section 13.4 contains specific procedures for collecting and handling soil samples for volatile organic compounds analysis.

Direct Push Rigs

This method uses a standard split-spoon modified with a locking tip, which keeps the spoon closed during the sampling push. Upon arrival at the desired depth, the tip is remotely released and the push continued. During the push, the released tip moves freely inside of the spoon as the soil core displaces it. This technique is particularly beneficial at highly contaminated sites,

because no cuttings are produced. The push rods are generally retrieved with very little residue resulting in minimal exposure to sampling personnel and reduced IDW. Before the soil is placed in a pan, it is necessary to remove the top several inches of soil to minimize the possibility of cross-contamination of the sample from fall-in of material from the upper portions of the hole. Once the soil is placed in a pan, it is thoroughly mixed (see Section 5.11.8), and placed in the appropriate sample container(s). Section 13.4 contains specific procedures for collecting and handling soil samples for volatile organic compounds analysis.

Geoprobe® Large Bore Soil Sampler

Geoprobe® offers several tools for soil sample collection. Among these are the Macro-Core® Soil Sampler and the large bore and dual tube soil sampling systems. The Branch does not have this equipment on hand, and therefore would need to hire a contractor to perform this work.

Back-Hoes

Back-hoes may be utilized in the collection of shallow subsurface soil samples. Samples may be collected directly from the bucket, or the trench wall (subject to applicable safety procedures). The bucket must be free of rust, grease, and paint. Only soil which has not been in contact with the bucket may be sampled, unless the bucket is cleaned according to the procedures described in Appendix B of this SOP.

Trenches offer the capability of collecting samples from very specific intervals and allow visual correlation with vertically and horizontally adjacent material. The sample should be collected without entering the trench itself, if possible. To collect the sample without entering the trench, use a stainless steel scoop attached to rigid conduit with a scoop bracket to “dress” the wall of the trench (by removing the surface layer of soil smeared on the trench wall as the bucket passed). Replace the scoop with a clean or decontaminated scoop, and then collect the soil sample. The collected soil is placed in a pan, thoroughly mixed, (see Section 5.11.8), and placed in the appropriate sample container(s). Section 13.4 contains specific procedures for collecting and handling soil samples for volatile organic compounds analysis.

14.4 Soil/Sediment Sampling (Method 5035)

The following sampling protocol is recommended for site investigators assessing the extent of volatile organic compounds (VOCs) in soils and sediments at a project site. Because of the large number of options available, careful coordination between field and laboratory personnel is needed. The specific sampling containers and sampling tools required will depend upon the detection levels and intended data use. Once this information has been established, selection of the appropriate sampling procedure and preservation method best applicable to the investigation can be made.

14.4.1 Equipment

Soil\sediment for VOC analyses may be retrieved using the equipment specified in Section 13 of this SOP. Soil\sediment cab be collected in either the EnCore™ VOC sampler, or using a stainless steel spatula and standard 4-oz. soil VOC container. The specific sample containers and the sampling tools required will depend upon the data quality objectives established for the

site or sampling investigation. The various methods are described below.

14.4.2 Sampling Methodology - Low Concentrations

When total VOC concentrations in the soil/sediment are expected to be less than 200 ug/kg, the samples may be collected directly with the EnCore™ sampler. When sampling directly with the EnCore™ sampler, the vial must be immediately capped. A soil/sediment sample for VOC analysis may also be collected with conventional sampling equipment (as described in Section 13 of this SOP). A sample collected in this fashion must either be placed in the final sample container (EnCore™) immediately, or the sample may be immediately placed into an intermediate sample container with no head space. If an intermediate container (usually 4-oz. soil jar) is used, the sample must be transferred to the final sample container (EnCore™) as soon as possible, and should not to exceed 30 minutes.

NOTE: After collection of the sample into either the EnCore™ sampler or other container, the sample must immediately be stored in an ice chest and cooled. EnCore™ sampler soil\sediment samples may be prepared for shipping by capping, locking and securing the sampler in a plastic bag.

14.4.3 Sampling Methodology - High Concentrations

Based upon the data quality objectives and the detection level requirements, this high level method may also be used. Specifically, the sample may be packed into a single 4-oz. glass container with a screw cap and septum seal. The sample container must be filled quickly and completely to eliminate head space. Soils\sediments containing high total VOC concentrations may also be collected as described in Section 14.4.2, and preserved using 10 mL methanol.

14.4.4 Waste Samples

Collect an un-preserved sample into a single 4–oz. glass container. Handle waste samples in accordance with Section 15 of this SOP.

14.4.5 Special Techniques and Considerations

Sample Size

While this method is an improvement over earlier ones, field investigators must be aware of an inherent limitation. Because of the extremely small sample size, sample representativeness for VOC's may be reduced compared to samples with larger volumes collected for other constituents. The sampling design and objectives of the investigation should take this into consideration.

Holding Times

Sample holding times are specified in Appendix A. Field investigators should note that the holding time for an un-preserved VOC soil/sediment sample is 48 hours. Arrangements should

be made to ship the soil/sediment VOC samples to the laboratory by overnight delivery the day they are collected so the laboratory may preserve and\or analyze the sample within 48 hours of collection.

Percent Moisture

Samplers must ensure that the laboratory has sufficient material to determine percent moisture in the VOC soil/sediment sample to correct the analytical results to dry weight. If other analyses requiring percent moisture determination are being performed upon the sample, these results may be used. If not, a separate sample (minimum of 4-oz.) for percent moisture determination will be required.

Safety

Methanol is a toxic and flammable liquid. Therefore, methanol must be handled with all required safety precautions related to toxic and flammable liquids. Inhalation of methanol vapors must be avoided. Vials should be opened and closed quickly during the sample preservation procedure. Methanol must be handled in a ventilated area. Use protective gloves when handling the methanol vials. Store methanol away from sources of ignition such as extreme heat or open flames. The vials of methanol should be stored in a cooler with ice at all times.

Shipping

Methanol and sodium bisulfate are considered dangerous goods, therefore shipment of samples preserved with these materials by common carrier is regulated by the U.S. Department of Transportation and the International Air Transport Association (IATA). The rules of shipment found in Title 49 of the Code of Federal Regulations (49 CFR parts 171 to 179) and the current edition of the IATA Dangerous Goods Regulations must be followed when shipping methanol and sodium bisulfate. Consult the above documents or the carrier for additional information. **The shipment of the quantities of methanol and sodium bisulfate used for sample preservation falls under the exemption for small quantities.** A summary of the requirements for shipping samples follows. Refer to the CFR for a complete review of the requirements.

1. The maximum volume of methanol or sodium bisulfate in a sample container is limited to thirty (30) mls.

2. The sample container must not be full of methanol.

3. The sample container must be stored upright and have the lid held securely in place. Note that the mechanism used to hold the cap in place must be able to be completely removed so weight is not added to the sample container, as specified in Method 5035.

4. Sample containers must be packed in a sorbent material capable of absorbing spills from leaks or breakage of the sample containers.

5. The maximum sample shuttle weight must not exceed 64 pounds.

6. The maximum volume of methanol or sodium bisulfate per shipping container is 500

milliliters.

7. The shipper must mark the sample shuttle in accordance with shipping dangerous goods in acceptable quantities.

8. The package must not be opened or altered until no longer in commerce.

REFERENCE 30

Region 2 Superfund: Electronic Data Submission- Documents

This page contains documents pertaining to electronic data submission in Region 2. To go back to the EDD submission information page, click:

Region 2 Superfund Electronic Data Deliverable Submission Information

For EDD Format version 6.4 template in Excel file, please contact **Region2_equisedd@epa.gov**

You will need Adobe Reader to view some of the files on this page. See EPA's About PDF page to learn more.

- Comprehensive Manual for EDD (PDF) (85 pp, 2 MB, 2/29/2016)
- Basic Manual for Historic Electronic Data in EPA Region 2 EQulS Format (PDF) (39 pp, 706 K, September 2015)
- Valid Values Reference Tables for EDD (PDF) (430 pp, 8 MB, 1/11/2016)
- Standalone EQuIS Data Processor (EDP) User Guide (PDF) (42 pp, 997 K, April 2008)
- EDD format Change-Release Notes (PDF) (9 pp, 114 K)
- Online Form for Requesting New Valid Values (PDF) (4 pp, 12 K)
- EDD-Tech Memo (PDF) (2 pp, 28 K)
- EPA Region 2 Superset Conversion Tool Instructions (PDF) (8 pp, 99 K)

Last updated on February 29, 2016

EPA Region 2 Superset Conversion Tool

The purpose of this document is to provide instruction and guidance on how to process EDD submittals that have been validated by the CLP group. The output from the CLP DAT Editor is in a single file EDD called a superset spreadsheet. The superset files combine the EPAR2SMP, EPAR2TRSQC and EPAR2BAT sections of the EPA Region 2 format into one file or one EDD superset.

The superset files are hard to manually manipulate into the EPA Region 2 three files format. A conversion tool has been added to the EPA Region 2 format which will load a superset single file EDD into the EPA Region 2 three files format in EQuIS Data Processor (EDP). All files run through the DAT Editor after October 2009 will be in an Excel spreadsheet which can be translated using the procedure described below. If you have files prior to this date, please review the section on historical DAT Editor files.

The EQuIS Data Processor (EDP) can be downloaded from this link:
http://www.earthsoft.com/wordpress/products/edp/edp-format-for-epar2/

This tool has limitations which are explained in this document. Many of the limitations can only be resolved by the data provider. The tool does not fix or change data. This document outlines where there may be issues with the data that will need to be reviewed by the data provider.

Data Provider:

When Data Providers receive a Superset EDD file from the CLP lab it should be an Excel spreadsheet. Open the Excel spreadsheet, the number of rows in the spreadsheet should equal the number of rows in the EPAR2TRSQC section once the EDD has been loaded into EDP (minus the header row). Data Provider has to put a "#" sign to indicate the first row is the header row.

Before reviewing the EDD data, please modify the file name by adding "clp" in front of the file extension. For example, if the EDD file has the file name of "**G3784.EDD02041.B3F76.xls**", data provider has to add "clp" in front of the file extension as part of the file name, so the file name will be changed to "**G3784.EDD02041.B3F76.clp.xls**".

EQuIS provided a video instruction on converting CLP EDD files into EPAR2 format, this video can be viewed from this link:
http://www.screencast.com/t/NzI1OWRhNzAt

Recommended Review
Scroll down through the EDD and review the values in the sys_sample_code column. Make a note of the following:

- Some laboratory QC samples may not have a populated sys_sample_code
- Laboratory Control Samples (LCS) do not have a unique sys_sample_code

- The sys_loc_code column is null.

The EPA Region 2 format requires a sys_sample_code and it must be unique.

Populating Null or Blank sys_sample_codes

The CLP conversion tool will populate a null or blank sys_sample_code by concatenating the values in the sample_name, sample_date and sample_matrix_code columns. For the majority of the laboratory QC rows these 3 fields are enough to create a unique sys_sample_code. However, it is important to review these concatenated values.

Creating Unique sys_sample_codes

The CLP laboratory deliverable does not contain a unique value for Laboratory Control Samples (LCS). Typically the sys_sample_code will be populated with the value, "LCS". The conversion tool attempts to make this value unique by concatenating the same fields as with the null or blank sys_sample_code (sample_name, sample_date and sample_matrix_code).
The values that were originally submitted in the Station_ID column are mapped to the sys_sample_code column in the Superset EDD.

1. **Data Provider:**
   The Data Provider has to provide the name and the code of the company that requested the laboratory analysis and is responsible for reporting the results to EPAR2.

2. **Test_batch_ID:** For CLP data, the Data Provider has to report the "Test Batch ID". The "Test Batch ID" is a unique identifier for all lab batches. Please provider this identifier for any "Test Batch Type" including "Prep", "Analysis" and "Leach".

3. **Interpreted_qualifiers: Data Provider has to check the following three conditions:**

   1. If both the "Lab_qualifiers" and "Validator_qualifiers" is populated, the "Validator_qualifiers" should be listed as the final Interpreted_qualifier and should be copied to the "Interpreted_qualifier" column
   2. If only the "Validator_qualifiers" is populated, use "Validator_qualifiers" as the value in the interpreted_qualifier column.
   3. If only the "Lab_qualifier" is populated, the Data Provider has to look at the description in the "Lab_qualifier", and compare the EPA Region 2 description of the same qualifier. If the description does not match, they need to find the qualifier description and code that closely matches their description of their "Lab_qualifiers" to be used in the "Interpreted_qualifiers".

Example for #1:

Lab_qualifiers	Validator_qualifiers	Interpreted_qualifiers
T	E	E
O-	J-	J-

Example for #2:

Lab_qualifiers	Validator_qualifiers	Interpreted_qualifiers
	E	E
	J-	J-

Example for #3:

Lab_qualifiers	Validator_qualifiers	Interpreted_qualifiers
T		E
O-		J-

Description of Example #3:
In this example, the Data Provider has to check the description of T, and if the description of T is closely matched with R2 description in the qualifier column, the Data Provider has to use the code from R2 that has the same or closely match description. In this case, we put "E" to the "Interpreted_qualifier" column because it has the same description as R2. Similar to "Lab_qualifiers" = "O-", the description from the lab for "O-" is estimated on the low side, which is the same as the description in R2 but the standard code for R2 is "J-", so we put "J-" to the "Interpreted_qualifiers" column.

4. **Cas Number (Cas_rn):**
   Data Provider has to use the chemical name and cas number that are in the Valid Values Reference Table, if any cas number or Chemical Name are not in the Table, please provide the valid values and make a request to EPA Region 2 that they add the values to the valid values list.
5. **Check EDD**
   For the CLP Superset data, the data provider is responsible to know the EPA Region 2 EDD format, and review the valid values reference table and documentation in order to understand how to prepare the dataset. Each EDD has to go through EQuIS EDP to check for errors (EQuIS EDP can be downloaded from EPA Region 2 EDD web site). The following are an example of the errors that the Data Provider has to modify:

   1) data_provider: please provide the code of the data provider, codes can be found in the Valid Values Reference Table A-23.

   2) sample_matrix_code: Please use the codes in the Valid Values Reference Table A-1 Matrix

3) sys_loc_code: Please provide the location data, including the location code for each normal environmental sample. (Please check the "Comprehensive EDD Specification Manual" in order to prepare the Data Provider, Site, and Location files.)

4) chain_of_custody: Please modify the chain of custody column if it exceeds the field length. This field allows 40 characters. (For definition, please check the format documentation)

5) sampling_company_code: This field is required in the EPA Region 2 format and is not provided in the CLP DAT EDD's. Please populate this column, provide a code that does not exceed 10 characters.

6) lab_matrix_code: Please use the codes in the Valid Values Reference Table A-1 Matrix

7) Preservative: Please check the Valid Values Reference Table A-27

8) Interpreted_qualifiers: please check the Valid Values Reference Table A-10 for valid values, and description of the Interpreted Qualifiers from the above.

9) Test_type: please check the Valid Values Reference Table A-25

10) Test_batch_id: Please read the description of Test_Batch_ID from the above.

6. Sign and Submit

After data files have been loaded and all of the errors have been resolved, the Sign and Submit tool can be used to facilitate submittal of data to EQuIS Enterprise EDP. The Sign and Submit tool packages the data files with the correct naming convention which allows easy submittal of data packages. This feature requires a user name and password that may be obtained from the EQuIS Database Administrator. The instructions for using the Sign and Submit can be summarized in the following steps (Detailed instructions can be found on the EPA Region2 EDD web page):

1. Select Sign and Submit from the Application Menu

2. Enter your User Name and Password as well as the Program code that applies to the data package being submitted. The Registry ID will be automatically populated based on the selected Program Code.

3. Click the Submit button

4. You will be prompted for the location where you would like to save the file. The Sign and Submit feature will name the file correctly and save to a zipped file with the current date, a period, Registry ID, a period, and the Format file name used to create the EDDs.
(Example file name: ' **20100205.RegID123.EPARegion2EDD.zip**')

5. Select Save

6. Click 'OK' when the "EDD Signed and Saved" Verification Window comes up.

7. For each file, except the base map file, the name of the files are named after the section that was populated and have the extension of "csv" if the file was saved as a comma-delimited file or "txt" if the file was saved as a tab-delimited. For example if we made a package of the 3 sections populated by this CLP translation the zip would contain 4 files, EPAR2SMP_v2.csv, EPAR2TRSQC_v2.csv and EPAR2BAT_v2.csv An additional user file is included (*.usr) as the forth file. The Sign and Submit process packages or zips the files, the zipped package must be named using the file name as the site name, followed by the submittal date of the EDD with the format for the date being YYYYMMDD. The second part of the file name is the 12-character alphanumeric EPA ID for the facility under investigation. The third part of the file name refers to the EDD file format for the file being submitted. For more information on the user file refer to the Comprehensive manual.

Historical DAT Editor Files

If you have files that were created by the DAT Editor prior to October 2009 you can still process these files with the translation tool in the EPA Region 2 format with some minor modifications.

Review the file you have received. If it is not an Excel file, load it into Excel and save as an Excel spreadsheet. Review the column order and headers. It is important to use the same order and headers as defined below in Table A. Once the order and headers have been modified, follow the instructions above to process the file.

If there are any questions regarding the EDD, please send email to EPA Region 2
Region2_equisedd@epa.gov

Table A

Assumes the valid values and field definitions are consistent with the EPA Region 2 format unless noted.
X = indicates fields where no data will be provided in CLP DAT file, field will remain null.

Field Order	Field Name	Inorganic not provided OR NULL	Organic not provided OR NULL
1	DATA_PROVIDER	X	X
2	SYS_SAMPLE_CODE	For all field samples = Station Location For Lab Matrix Spike and Lab Matrix Spike Duplicate samples = Lab Sample ID	For all field samples = Station Location For Lab Matrix Spike and Lab Matrix Spike Duplicate samples = Lab Sample ID
3	SAMPLE_NAME	EPA Sample Number	EPA Sample Number
4	SAMPLE_MATRIX_CODE	Limited to Water and Soil in electronic deliverable (ASF) submitted by the labs	Limited to Soil, Sediment, Water in electronic deliverable (EDD) submitted by the labs
5	SAMPLE_TYPE_CODE		SD = Lab Matrix Spike Duplicate considered as separate from spike BS = LCS (Lab Control Sample)
6	SAMPLE_SOURCE		
7	PARENT_SAMPLE_CODE	For Lab Matrix Spike, Post-Digestion Spike and Lab Duplicate samples = Station Location of Parent Sample	For Lab Matrix Spike, Post-Digestion Spike and Lab Duplicate samples = Station Location of Parent Sample
8	SAMPLE_DEL_GROUP		
9	SAMPLE_DATE	Sampling Time will not be reported in this field because of the existing DAT Editor settings.	Sampling Time will not be reported in this field because of the existing DAT Editor settings.
10	SYS_LOC_CODE	X	X
11	START_DEPTH	X	X
12	END_DEPTH	X	X
13	DEPTH_UNIT	X	X
14	CHAIN_OF_CUSTODY		
15	SENT_TO_LAB_DATE		
16	SAMPLE_RECEIPT_DATE		
17	SAMPLER		
18	SAMPLING_COMPANY_CODE		
19	SAMPLING_REASON	X	X
20	SAMPLING_TECHNIQUE	X	X
21	TASK_CODE	X	X
22	COLLECTION_QUARTER	X	X
23	COMPOSITE_YN	Current default value = N	Current default value = N
24	COMPOSITE_DESC	X	X
25	SAMPLE_CLASS	X	X
26	CUSTOM_FIELD_1	X	X
27	CUSTOM_FIELD_2	X	X
28	CUSTOM_FIELD_3	X	X
29	COMMENT	X	X
30	BREAK_1	X	X

31	SYS_SAMPLE_CODE	Same as above	Same as above
32	LAB_ANL_METHOD_NAME		
33	ANALYSIS_DATE		
34	TOTAL_OR_DISSOLVED	X	X
35	COLUMN_NUMBER	X	X
36	TEST_TYPE	X	Defaulted to 'ANALYSIS'
37	LAB_MATRIX_CODE	Same values as in SAMPLE_MATRIX_CODE field	Same values as in SAMPLE_MATRIX_CODE field
38	ANALYSIS_LOCATION		
39	BASIS		
40	CONTAINER_ID	X	X
41	DILUTION_FACTOR		
42	PREP_METHOD		
43	PREP_DATE		
44	LEACHATE_METHOD	X	X
45	LEACHATE_DATE	X	X
46	LAB_NAME_CODE	CLP Laboratory Code	CLP Laboratory Code
47	QC_LEVEL		
48	LAB_SAMPLE_ID		
49	PERCENT_MOISTURE		
50	SUBSAMPLE_AMOUNT	Soil Sample Aliquot Weight and Water Sample Aliquot Initial Volume	Sample Aliquot Amount
51	SUBSAMPLE_AMOUNT_UNIT	Sample Aliquot Weight/Volume Units	Sample Aliquot Amount Units
52	ANALYST_NAME	X	
53	INSTRUMENT_ID		
54	COMMENT	Will be populated with column_number value. The name of the column should remain as "COMMENT"	Will be populated with column_number value. The name of the column should remain as "COMMENT"
55	PRESERVATIVE		
56	FINAL_VOLUME	Sample Aliquot Final Volume	Sample Aliquot Final Volume
57	FINAL_VOLUME_UNIT	Sample Final Volume Units	Sample Final Volume Units
58	CAS_RN		
59	CHEMICAL_NAME		
60	RESULT_VALUE	Validated Result	Validated Result
61	RESULT_ERROR_DELTA	X	X
62	RESULT_TYPE_CODE		
63	REPORTABLE_RESULT		
64	DETECT_FLAG	Current default values: N if Lab Qualifier = U Y if Lab Qualifier not equal to U	Current default values: N if Lab Qualifier = U Y if Lab Qualifier not equal to U
65	LAB_QUALIFIERS		
66	VALIDATOR_QUALIFIERS		
67	INTERPRETED_QUALIFIERS	X	X
68	ORGANIC_YN	Current default value = N	Current default value = Y
69	METHOD_DETECTION_LIMIT		
70	REPORTING_DETECTION_LIMIT	Adjusted Contract Required Quantitation Limit (CRQL)	Adjusted Contract Required Quantitation Limit (CRQL)

71	QUANTITATION_LIMIT	Unadjusted Contract Required Quantitation Limit (CRQL)	Unadjusted Contract Required Quantitation Limit (CRQL)
72	RESULT_UNIT		
73	DETECTION_LIMIT_UNIT		
74	TIC_RETENTION_TIME	X	
75	RESULT_COMMENT	X	X
76	QC_ORIGINAL_CONC		
77	QC_SPIKE_ADDED		
78	QC_SPIKE_MEASURED		
79	QC_SPIKE_RECOVERY		
80	QC_DUP_ORIGINAL_CONC	X	
81	QC_DUP_SPIKE_ADDED	X	
82	QC_DUP_SPIKE_MEASURED	X	
83	QC_DUP_SPIKE_RECOVERY	X	
84	QC_RPD		
85	QC_SPIKE_LCL		
86	QC_SPIKE_UCL		
87	QC_RPD_CL		
88	QC_SPIKE_STATUS		X
89	QC_DUP_SPIKE_STATUS	X	X
90	QC_RPD_STATUS	Lab Duplicate RPD Qualifier	X
91	VALIDATION_LEVEL	X	X
92	BREAK_2	X	X
93	SYS_SAMPLE_CODE	Same as above	Same as above
94	LAB_ANL_METHOD_NAME	Same as above	Same as above
94	ANALYSIS_DATE	Same as above	Same as above
95	TOTAL_OR_DISSOLVED	X	X
96	COLUMN_NUMBER	X	X
97	TEST_TYPE	X	Defaulted to 'ANALYSIS'
98	TEST_BATCH_TYPE	X	X
99	TEST_BATCH_ID	X	X
100	CASE	Case Number (Field required for DAT Editor)	Case Number (Field required for DAT Editor)
101	SAMPLE_TIME	Sampling Time (Field required for DAT Editor)	Sampling Time (Field required for DAT Editor)
102	FRACTION	Not Applicable. Field will remain blank. This is not the same at the EQuIS fraction field	Not Applicable. Field will remain blank. This is not the same at the EQuIS fraction field
103	PH	Info not available. Field will remain blank.	Info not available. Field will remain blank.

REFERENCE 31

EXECUTIVE NARRATIVE

Case No. : 45717
Site: Wappinger Creek
Number of Samples: 32 (Water)
Analysis: VOA, BNA

SDG No.: BC7F4
Laboratory: Chemtech Consulting
Sampling dates: 10/29/15
Validation SOP: HW-33A (Rev 0), HW-35A (Rev 0)

QAPP:
Contractor: Weston Solutions,
Reference: DCN: W0269_1E_00632

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
SVOA: Samples BC7G3, BC7G6 have analytes that have been qualified "R" rejected due to DMC/surrogate percent recoveries less than the expanded minimum criteria.

Major Findings:
SVOA: Samples BC764, BC7F6, BC763, BC764, BC7F4, BC7F5, BC7F6, BC7F7, BC7F8, BC7F9, BC7G0, BC7G1, BC7G2, BC7G4, BC7G5 have analytes that have been qualified "J", "J+" or "J-".

Minor Findings:
None.

COMMENTS: The site specific QAPP did not provide the project action levels for field samples.

Reviewer Name(s): Reginald Saint-Juste

Approver's Signature: **Date: 12/01/15**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A/VOA (Revision 0) July 2015, USEPA Region II Data Validation SOP for Statement of Work SOM02.2 for evaluating organic data has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report. Tentatively Identified Compounds (TICS) for VOA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on

the amount of contamination present in the QA blanks, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated rinse blank common contaminant concentration is less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

Acetone BC7F8, BC7G0, BC7G1.

2-Butanone BC7F8, BC7G0, BC7G1.

C) Trip blank contamination for VOA aqueous samples:

The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated rinse blank common contaminant concentration is less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.

Acetone BC7G3

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 33A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 33A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 33A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range of 50% - 200 % of the associated continuing calibration internal standard area. The retention time of the internal standards must not vary more than 30 seconds from the associated continuing calibration standard. If the area count is greater than 200%, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than 50% of the associated standard,

all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Not applicable.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: BNA

The current SOP HW-35A (Revision 0) July 2015, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to all the samples and analytes as shown below.

The following semi-volatile samples have DMC/surrogate percent recoveries less than the primary minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

4-Chloroaniline-d4 BC7F6, BC764.
4-Chloroaniline, Hexachlorocyclopentadienne, Dichlorobenzidine.

The following semi-volatile samples have DMC/surrogate percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as unusable R.

1,4-Dioxane-d8 BC7G6, BC7G3.
1,4-Dioxane

The following semi-volatile samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,4-Dioxane-d8 BC763, BC764, BC7F4, BC7F5, BC7F6, BC7F7, BC7F8, BC7F9, BC7G0, BC7G1, BC7G2, BC7G4, BC7G5.
1,4-Dioxane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 0).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No qualification was applied.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the

instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following semi-volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

Butylbenzylphtalate BC7F4, BC7F5, BC7F6, BC7F7, BC7F8, BC7F9, BC7G0, BC7G1, BC7G2, SBLK85.

The following semi-volatile samples are associated with an opening or closing CCV with % Difference (%D) exceeding criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Hexachlorocyclopentadiene BC763, BC764, BC7G3, BC7G4, BC7G5, BC7G6, SBLK15.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 0). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

Not applicable.

9. COMPOUND IDENTIFICATION:

A) Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

0269-RIN04

Case No:	45717	Contract:	EPW14030	SDG No:	BC7F4	Lab Code:	CHM

Sample Number:	BC763	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	1.3	Sample Date:	11/12/2015	Sample Time:	08:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	6.9	J	ug/L	6.9	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0		ug/L	5.0		1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC763	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	6	Sample Date:	11/12/2015	Sample Time:	08:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	1.4	J	ug/L	1.4	J	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV
unknown-03	TIC	28	J	ug/L	28	J	1.0	Yes	NV
unknown-04	TIC	2.2	J	ug/L	2.2	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	84	J	ug/L	84	J	1.0	Yes	NV
Hexadecanoic acid, 2-(acetyloxy)-1	TIC	4.7	J	ug/L	4.7	J	1.0	Yes	NV
unknown-06	TIC	25	J	ug/L	25	J	1.0	Yes	NV
Octanethioic acid, S-hexyl ester	TIC	15	J	ug/L	15	J	1.0	Yes	NV
unknown-01	TIC	2.6	J	ug/L	2.6	J	1.0	Yes	NV
unknown-02	TIC	2.4	J	ug/L	2.4	J	1.0	Yes	NV
Myristin, 1,3-diaceto-2-	TIC	4.6	J	ug/L	4.6	J	1.0	Yes	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	3.5	J	ug/L	3.5	J	1.0	Yes	NV
unknown-05	TIC	13	J	ug/L	13	J	1.0	Yes	NV
Vanillin	TIC	2.9	J	ug/L	2.9	J	1.0	Yes	NV
Hexadecanoic acid, 2,3-bis(acetylo	TIC	2.5	J	ug/L	2.5	J	1.0	Yes	NV
Decanoic acid, 2-hydroxy-1-(hydrox	TIC	4.0	J	ug/L	4.0	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC764	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	1.3	Sample Date:	11/16/2015	Sample Time:	12:15:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	8.1	J	ug/L	8.1	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.7		ug/L	5.7		1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC764	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	6	Sample Date:	11/16/2015	Sample Time:	12:15:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	1.5	J	ug/L	1.5	J	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
unknown-04	TIC	7.1	J	ug/L	7.1	J	1.0	Yes	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	2.8	J	ug/L	2.8	J	1.0	Yes	NV
Myristin, 2,3-diaceto-1-	TIC	5.2	J	ug/L	5.2	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	16	J	ug/L	16	J	1.0	Yes	NV
Phenol, 2-methoxy-	TIC	2.8	J	ug/L	2.8	J	1.0	Yes	NV
Hexadecanoic acid, 2,3-bis(acetylo	TIC	27	J	ug/L	27	J	1.0	Yes	NV
unknown-01	TIC	3.7	J	ug/L	3.7	J	1.0	Yes	NV
unknown-03	TIC	3.7	J	ug/L	3.7	J	1.0	Yes	NV
Hexadecanoic acid, 2-(acetyloxy)-1	TIC	2.6	J	ug/L	2.6	J	1.0	Yes	NV
unknown-05	TIC	5.0	J	ug/L	5.0	J	1.0	Yes	NV
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Vanillin	TIC	2.8	J	ug/L	2.8	J	1.0	Yes	NV
unknown-02	TIC	7.6	J	ug/L	7.6	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F4	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	14:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	9.5	J	ug/L	9.5	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.4		ug/L	6.4		1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	5.5	J	ug/L	5.5	J	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F4	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	6	Sample Date:	11/10/2015	Sample Time:	14:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	1.0	J	ug/L	1.0	J	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F5	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW01	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	11:11:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F5	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW01	pH:	6	Sample Date:	11/10/2015	Sample Time:	11:11:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F6	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW02	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	11:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F6	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW02	pH:	6	Sample Date:	11/10/2015	Sample Time:	11:30:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F7	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW03	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	11:45:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F7	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW03	pH:	6	Sample Date:	11/10/2015	Sample Time:	11:45:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: BC7F8	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: 0269-SW04	pH: 1.3	Sample Date: 11/10/2015	Sample Time: 12:00:00
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	3.5	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	6.6	J	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F8	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW04	pH:	6	Sample Date:	11/10/2015	Sample Time:	12:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F9	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW05	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	12:12:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7F9	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW05	pH:	6	Sample Date:	11/10/2015	Sample Time:	12:12:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G0	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW06	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	12:37:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	2.6	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	2.8	J	ug/L	2.8	J	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	4.4	J	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G0	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW06	pH:	6	Sample Date:	11/10/2015	Sample Time:	12:37:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: BC7G1	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: 0269-SW07	pH: 1.3	Sample Date: 11/10/2015	Sample Time: 14:15:00
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	4.4	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	7.7	J	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G1	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW07	pH:	6	Sample Date:	11/10/2015	Sample Time:	14:15:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G2	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW08	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	14:25:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G2	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW08	pH:	6	Sample Date:	11/10/2015	Sample Time:	14:25:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G3	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW09	pH:	1.3	Sample Date:	11/13/2015	Sample Time:	08:35:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	2.2	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G3	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW09	pH:	6	Sample Date:	11/13/2015	Sample Time:	08:35:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	R	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	13	J	ug/L	13	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G4	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW10	pH:	6	Sample Date:	11/13/2015	Sample Time:	09:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	17	J	ug/L	17	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G4	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW10	pH:	1.3	Sample Date:	11/13/2015	Sample Time:	09:00:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G5	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW11	pH:	1.3	Sample Date:	11/13/2015	Sample Time:	09:15:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G5	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW11	pH:	6	Sample Date:	11/13/2015	Sample Time:	09:15:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	UJ	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	14	J	ug/L	14	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G6	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	0269-SW11	pH:	1.3	Sample Date:	11/13/2015	Sample Time:	09:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G6	Method:	Semivolatiles	Matrix:	Water	MA Number:	
Sample Location:	0269-SW11	pH:	6	Sample Date:	11/13/2015	Sample Time:	09:20:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	R	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	15	J	ug/L	15	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G8	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	1.3	Sample Date:	11/10/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	2.4	J	ug/L	2.4	J	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	39		ug/L	39		1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	18		ug/L	18		1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number:	BC7G9	Method:	Volatile Organics	Matrix:	Water	MA Number:	
Sample Location:	N/A	pH:	1.3	Sample Date:	11/13/2015	Sample Time:	08:15:00
% Moisture :				% Solids :	0		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	7.9	J	ug/L	7.9	J	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.7		ug/L	5.7		1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: SBLK15	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	UJ	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC	2.6		ug/L	2.6		1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	2.1	J	ug/L	2.1	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: SBLK84	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	14	J	ug/L	14	J	1.0	Yes	NV
1-Pentene, 2-methyl-	TIC	3.8	J	ug/L	3.8	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: SBLK85	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	Yes	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: VBLK02	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: VBLK21	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: VBLK22	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: VBLK24	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC7F4	Lab Code: CHM

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.3	Sample Date:	Sample Time:
% Moisture :		% Solids : 0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/L			1.0	Yes	NV

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC763	DI Water	11/12/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	67-64-1	Acetone	6.9	J	J	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-09-2	Methylene chloride	5.0			5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	E966796	Total Alkanes					ug/L	0269-RIN04
BC764	DI Water	11/16/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	67-64-1	Acetone	8.1	J	J	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-09-2	Methylene chloride	5.7			5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-RIN05

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC764	DI Water	11/16/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	E966796	Total Alkanes					ug/L	0269-RIN05
BC7F4	DI Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	67-64-1	Acetone	9.5	J	J	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-09-2	Methylene chloride	6.4			5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	78-93-3	2-Butanone	5.5	J	J	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-RIN03

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F4	DI Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-RIN03
BC7F5	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW01
BC7F6	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW02

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F6	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW02
BC7F7	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW03

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F7	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW03
BC7F8	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	J	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	J	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW04
BC7F9	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW05

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F9	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW05
BC7G0	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	J	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	2.8	J	J	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	J	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW06

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G0	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW06
BC7G1	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	J	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	J	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW07

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G1	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW07
BC7G2	Surface Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW08
BC7G3	Surface Water	11/13/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	67-64-1	Acetone	10	J	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW09

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G3	Surface Water	11/13/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW09
BC7G4	Surface Water	11/13/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW10

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G4	Surface Water	11/13/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW10
BC7G5	Surface Water	11/13/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW11
BC7G6	Surface Water	11/13/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-SW12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G6	Surface Water	11/13/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	67-64-1	Acetone	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW12
BC7G8	DI Water	11/10/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	74-87-3	Chloromethane	2.4	J	J	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	67-64-1	Acetone	39			10	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	78-93-3	2-Butanone	18			10	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-TB01

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G8	DI Water	11/10/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-TB01
BC7G8	DI Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-TB01
BC7G9	DI Water	11/13/2015	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	67-64-1	Acetone	7.9	J	J	10	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-09-2	Methylene chloride	5.7			5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	0269-TB02

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G9	DI Water	11/13/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	0269-TB02
BC7G9	DI Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-TB02
VBLK02			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	
VBLK02			1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	
VBLK02			1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	
VBLK02			1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	
VBLK02			1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	
VBLK02			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	
VBLK02			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK02			1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	
VBLK02			1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	
VBLK02			1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	
VBLK02			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK02			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	
VBLK02			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK02			1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK02			1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	
VBLK02			1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	
VBLK02			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	
VBLK02			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	
VBLK02			1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	
VBLK02			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	
VBLK02			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	
VBLK02			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	
VBLK02			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	
VBLK02			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK02			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK02			1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	
VBLK02			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK02			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	
VBLK02			1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK02			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	
VBLK02			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	
VBLK02			1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	
VBLK02			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	
VBLK02			1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	
VBLK02			1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	
VBLK02			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	
VBLK02			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	
VBLK02			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	
VBLK02			1.0	E966796	Total Alkanes					ug/L	
VBLK21			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	
VBLK21			1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	
VBLK21			1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	
VBLK21			1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	
VBLK21			1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	
VBLK21			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	
VBLK21			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK21			1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	
VBLK21			1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	
VBLK21			1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	
VBLK21			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK21			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	
VBLK21			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK21			1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK21			1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	
VBLK21			1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	
VBLK21			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	
VBLK21			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	
VBLK21			1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	
VBLK21			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	
VBLK21			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	
VBLK21			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	
VBLK21			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	
VBLK21			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK21			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK21			1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	
VBLK21			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK21			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	
VBLK21			1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK21			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	
VBLK21			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	
VBLK21			1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	
VBLK21			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	
VBLK21			1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	
VBLK21			1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	
VBLK21			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	
VBLK21			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	
VBLK21			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	
VBLK21			1.0	E966796	Total Alkanes					ug/L	
VBLK22			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	
VBLK22			1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	
VBLK22			1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	
VBLK22			1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	
VBLK22			1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	
VBLK22			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	
VBLK22			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK22			1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	
VBLK22			1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	
VBLK22			1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	
VBLK22			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK22			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	
VBLK22			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK22			1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK22			1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	
VBLK22			1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	
VBLK22			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	
VBLK22			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	
VBLK22			1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	
VBLK22			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	
VBLK22			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	
VBLK22			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	
VBLK22			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	
VBLK22			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK22			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK22			1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	
VBLK22			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK22			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	

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VBLK22			1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK22			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	
VBLK22			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	
VBLK22			1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	
VBLK22			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	
VBLK22			1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	
VBLK22			1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	
VBLK22			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	
VBLK22			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	
VBLK22			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	
VBLK22			1.0	E966796	Total Alkanes					ug/L	
VBLK24			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	
VBLK24			1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	
VBLK24			1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	
VBLK24			1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	
VBLK24			1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	
VBLK24			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	
VBLK24			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK24			1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	
VBLK24			1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	
VBLK24			1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	
VBLK24			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK24			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	
VBLK24			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VBLK24			1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK24			1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	
VBLK24			1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	
VBLK24			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	
VBLK24			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	
VBLK24			1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	
VBLK24			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	
VBLK24			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	
VBLK24			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	
VBLK24			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	
VBLK24			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK24			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK24			1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	
VBLK24			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VBLK24			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	
VBLK24			1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK24			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	
VBLK24			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	
VBLK24			1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	
VBLK24			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	
VBLK24			1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	
VBLK24			1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	
VBLK24			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	
VBLK24			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	
VBLK24			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	
VBLK24			1.0	E966796	Total Alkanes					ug/L	
VHBLK01			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	74-87-3	Chloromethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-01-4	Vinyl chloride	5.0	U	U	5	ug/L	

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK01			1.0	74-83-9	Bromomethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-00-3	Chloroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5	ug/L	
VHBLK01			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VHBLK01			1.0	75-15-0	Carbon disulfide	5.0	U	U	5	ug/L	
VHBLK01			1.0	79-20-9	Methyl Acetate	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-09-2	Methylene chloride	5.0	U	U	5	ug/L	
VHBLK01			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VHBLK01			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5	ug/L	
VHBLK01			1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VHBLK01			1.0	74-97-5	Bromochloromethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	67-66-3	Chloroform	5.0	U	U	5	ug/L	
VHBLK01			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	110-82-7	Cyclohexane	5.0	U	U	5	ug/L	
VHBLK01			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5	ug/L	
VHBLK01			1.0	71-43-2	Benzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	79-01-6	Trichloroethene	5.0	U	U	5	ug/L	
VHBLK01			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5	ug/L	
VHBLK01			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VHBLK01			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VHBLK01			1.0	108-88-3	Toluene	5.0	U	U	5	ug/L	
VHBLK01			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5	ug/L	
VHBLK01			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5	ug/L	
VHBLK01			1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VHBLK01			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	108-90-7	Chlorobenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	100-41-4	Ethylbenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	95-47-6	o-xylene	5.0	U	U	5	ug/L	
VHBLK01			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5	ug/L	
VHBLK01			1.0	100-42-5	Styrene	5.0	U	U	5	ug/L	
VHBLK01			1.0	75-25-2	Bromoform	5.0	U	U	5	ug/L	
VHBLK01			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5	ug/L	
VHBLK01			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5	ug/L	
VHBLK01			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5	ug/L	
VHBLK01			1.0	E966796	Total Alkanes					ug/L	
BC763	DI Water	11/12/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	59-50-7	4-Chloro-3-methylphenol	1.4	J	J	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-RIN04

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC763	DI Water	11/12/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	unknown-01	unknown-01	2.6	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	000121-33-5	Vanillin	2.9	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	E966796	Total Alkanes					ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	unknown-06	unknown-06	25	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	unknown-03	unknown-03	28	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	84	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	unknown-05	unknown-05	13	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	055590-85-7	Octanethioic acid, S-hexyl ester	15	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	055268-69-4	Hexadecanoic acid, 2-(acetyloxy)-1	4.7	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	014290-23-4	Myristin, 1,3-diaceto-2-	4.6	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	unknown-04	unknown-04	2.2	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	unknown-02	unknown-02	2.4	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	055268-70-7	Hexadecanoic acid, 2,3-bis(acetylo	2.5	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	3.5	J	J		ug/L	0269-RIN04
BC763	DI Water	11/12/2015	1.0	003376-48-5	Decanoic acid, 2-hydroxy-1-(hydrox	4.0	J	J		ug/L	0269-RIN04
BC764	DI Water	11/16/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-RIN05

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC764	DI Water	11/16/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	59-50-7	4-Chloro-3-methylphenol	1.5	J	J	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	unknown-02	unknown-02	7.6	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	unknown-04	unknown-04	7.1	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	014473-55-3	Myristin, 2,3-diaceto-1-	5.2	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	unknown-05	unknown-05	5.0	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	16	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	E966796	Total Alkanes					ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	unknown-03	unknown-03	3.7	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	055268-69-4	Hexadecanoic acid, 2-(acetyloxy)-1	2.6	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	2.8	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	000121-33-5	Vanillin	2.8	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	000090-05-1	Phenol, 2-methoxy-	2.8	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	055268-70-7	Hexadecanoic acid, 2,3-bis(acetylo	27	J	J		ug/L	0269-RIN05
BC764	DI Water	11/16/2015	1.0	unknown-01	unknown-01	3.7	J	J		ug/L	0269-RIN05
BC7F4	DI Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-RIN03

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F4	DI Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	1.0	J	J	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-RIN03
BC7F4	DI Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-RIN03
BC7F5	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW01

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F5	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW01
BC7F5	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW01
BC7F6	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW02

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F6	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	UJ	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	UJ	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW02
BC7F6	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW02
BC7F7	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW03

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F7	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW03
BC7F7	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW03
BC7F8	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW04

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F8	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW04
BC7F8	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW04
BC7F9	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW05

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7F9	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW05
BC7F9	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW05
BC7G0	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW06

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G0	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW06
BC7G0	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW06
BC7G1	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW07

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G1	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW07
BC7G1	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW07
BC7G2	Surface Water	11/10/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW08

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G2	Surface Water	11/10/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW08
BC7G2	Surface Water	11/10/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW08
BC7G3	Surface Water	11/13/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	R	2	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW09

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G3	Surface Water	11/13/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	13	J	J		ug/L	0269-SW09
BC7G3	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW09
BC7G4	Surface Water	11/13/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW10

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G4	Surface Water	11/13/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	17	J	J		ug/L	0269-SW10
BC7G4	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW10
BC7G5	Surface Water	11/13/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	UJ	2	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW11

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7G5	Surface Water	11/13/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW11
BC7G5	Surface Water	11/13/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	14	J	J		ug/L	0269-SW11
BC7G6	Surface Water	11/13/2015	1.0	123-91-1	1,4-Dioxane	2.0	U	R	2	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	108-95-2	Phenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	0269-SW12

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BC7G6	Surface Water	11/13/2015	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	E966796	Total Alkanes					ug/L	0269-SW12
BC7G6	Surface Water	11/13/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	15	J	J		ug/L	0269-SW12
SBLK15			1.0	123-91-1	1,4-Dioxane	2.0	U	U	2	ug/L	
SBLK15			1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK15			1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK15			1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK15			1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	
SBLK15			1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK15			1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK15			1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK15			1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK15			1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	
SBLK15			1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	
SBLK15			1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	
SBLK15			1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	
SBLK15			1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	
SBLK15			1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	
SBLK15			1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	
SBLK15			1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	
SBLK15			1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	
SBLK15			1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK15			1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	
SBLK15			1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK15			1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	
SBLK15			1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	
SBLK15			1.0	77-47-4	Hexachlorocyclopentadiene	10	U	UJ	10	ug/L	
SBLK15			1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	
SBLK15			1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	
SBLK15			1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	
SBLK15			1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	
SBLK15			1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	
SBLK15			1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	
SBLK15			1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	
SBLK15			1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	
SBLK15			1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK15			1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	
SBLK15			1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK15			1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK15			1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	
SBLK15			1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	
SBLK15			1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	
SBLK15			1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	
SBLK15			1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	
SBLK15			1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK15			1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK15			1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	
SBLK15			1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	
SBLK15			1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	
SBLK15			1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	
SBLK15			1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK15			1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK15			1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	
SBLK15			1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	
SBLK15			1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK15			1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	
SBLK15			1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	

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SBLK15			1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	
SBLK15			1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	
SBLK15			1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK15			1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	
SBLK15			1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	
SBLK15			1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	
SBLK15			1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK15			1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	
SBLK15			1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	
SBLK15			1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	
SBLK15			1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	
SBLK15			1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	
SBLK15			1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	
SBLK15			1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	
SBLK15			1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2.1	J	J		ug/L	
SBLK15			1.0	E966796	Total Alkanes	2.6				ug/L	
SBLK84			1.0	123-91-1	1,4-Dioxane	2.0	U	U	2	ug/L	
SBLK84			1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK84			1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK84			1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK84			1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	
SBLK84			1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK84			1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK84			1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK84			1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK84			1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	
SBLK84			1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	
SBLK84			1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	
SBLK84			1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	
SBLK84			1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	
SBLK84			1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	
SBLK84			1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	
SBLK84			1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	
SBLK84			1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	
SBLK84			1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK84			1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	
SBLK84			1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK84			1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	
SBLK84			1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	
SBLK84			1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK84			1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	
SBLK84			1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	
SBLK84			1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	
SBLK84			1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	
SBLK84			1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	
SBLK84			1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	
SBLK84			1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	
SBLK84			1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	
SBLK84			1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK84			1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	
SBLK84			1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK84			1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK84			1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	
SBLK84			1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	
SBLK84			1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	
SBLK84			1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	
SBLK84			1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	
SBLK84			1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK84			1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK84			1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	
SBLK84			1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	
SBLK84			1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	
SBLK84			1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	
SBLK84			1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK84			1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK84			1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	
SBLK84			1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	
SBLK84			1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK84			1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	
SBLK84			1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	
SBLK84			1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	
SBLK84			1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	
SBLK84			1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK84			1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	
SBLK84			1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	
SBLK84			1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	
SBLK84			1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK84			1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	
SBLK84			1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	
SBLK84			1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	
SBLK84			1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	
SBLK84			1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	
SBLK84			1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	
SBLK84			1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	
SBLK84			1.0	E966796	Total Alkanes					ug/L	
SBLK84			1.0	000763-29-1	1-Pentene, 2-methyl-	3.8	J	J		ug/L	
SBLK84			1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	14	J	J		ug/L	
SBLK85			1.0	123-91-1	1,4-Dioxane	2.0	U	U	2	ug/L	
SBLK85			1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK85			1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK85			1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK85			1.0	95-57-8	2-Chlorophenol	5.0	U	U	5	ug/L	
SBLK85			1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK85			1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK85			1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK85			1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK85			1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5	ug/L	
SBLK85			1.0	67-72-1	Hexachloroethane	5.0	U	U	5	ug/L	
SBLK85			1.0	98-95-3	Nitrobenzene	5.0	U	U	5	ug/L	
SBLK85			1.0	78-59-1	Isophorone	5.0	U	U	5	ug/L	
SBLK85			1.0	88-75-5	2-Nitrophenol	5.0	U	U	5	ug/L	
SBLK85			1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5	ug/L	
SBLK85			1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5	ug/L	
SBLK85			1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5	ug/L	
SBLK85			1.0	91-20-3	Naphthalene	5.0	U	U	5	ug/L	
SBLK85			1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK85			1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5	ug/L	
SBLK85			1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK85			1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5	ug/L	
SBLK85			1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5	ug/L	
SBLK85			1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK85			1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5	ug/L	
SBLK85			1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5	ug/L	
SBLK85			1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5	ug/L	
SBLK85			1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5	ug/L	
SBLK85			1.0	88-74-4	2-Nitroaniline	5.0	U	U	5	ug/L	
SBLK85			1.0	131-11-3	Dimethylphthalate	5.0	U	U	5	ug/L	
SBLK85			1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5	ug/L	
SBLK85			1.0	208-96-8	Acenaphthylene	5.0	U	U	5	ug/L	
SBLK85			1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK85			1.0	83-32-9	Acenaphthene	5.0	U	U	5	ug/L	
SBLK85			1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK85			1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK85			1.0	132-64-9	Dibenzofuran	5.0	U	U	5	ug/L	
SBLK85			1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5	ug/L	
SBLK85			1.0	84-66-2	Diethylphthalate	5.0	U	U	5	ug/L	
SBLK85			1.0	86-73-7	Fluorene	5.0	U	U	5	ug/L	
SBLK85			1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5	ug/L	
SBLK85			1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK85			1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK85			1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5	ug/L	
SBLK85			1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5	ug/L	
SBLK85			1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5	ug/L	
SBLK85			1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5	ug/L	
SBLK85			1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK85			1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK85			1.0	85-01-8	Phenanthrene	5.0	U	U	5	ug/L	
SBLK85			1.0	120-12-7	Anthracene	5.0	U	U	5	ug/L	
SBLK85			1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK85			1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5	ug/L	
SBLK85			1.0	206-44-0	Fluoranthene	5.0	U	U	5	ug/L	
SBLK85			1.0	129-00-0	Pyrene	5.0	U	U	5	ug/L	
SBLK85			1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5	ug/L	
SBLK85			1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK85			1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5	ug/L	
SBLK85			1.0	218-01-9	Chrysene	5.0	U	U	5	ug/L	

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK85			1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5	ug/L	
SBLK85			1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK85			1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5	ug/L	
SBLK85			1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5	ug/L	
SBLK85			1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5	ug/L	
SBLK85			1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5	ug/L	
SBLK85			1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5	ug/L	
SBLK85			1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5	ug/L	
SBLK85			1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5	ug/L	
SBLK85			1.0	E966796	Total Alkanes					ug/L	

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC7F4_S3VEM.xls).

REFERENCE 32

[EXECUTIVE NARRATIVE

Case No. : 45717
Site: Wappinger Creek
Number of Samples: 20 (soils)
Analysis: VOA, BNA

SDG No.: BC775
Laboratory: Chemtech
Sampling dates: 11/15- 11/12/15
Validation SOP: HW-33A (Rev 0), HW-35A (Rev 0)

QAPP:
Contractor: Weston Solutions
Reference: DCN: W0269_1E_00632

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
The following samples have analytes that have been qualified J, J+ or J-.
VOA: All samples except for samples BC790, BC792 and BC793

BNA: BC784, BC786, BC787, BC789, BC790, BC791, BC792 and BC793

Minor Findings:
None.

COMMENTS:	The site specific QAPP did not specify the project action levels for this site.

Reviewer Name(s): Israel Okwuonu

Approver's Signature: **Date: 12/01/2015**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Revision 0) July 2015, USEPA Region II for the evaluation of Volatile organic data generated through Statement of Work SOM02.2 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Revision 0) qualifications were applied as per Table 7 SOP HW-33A (Revision 0) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1, 2-Dichloroethane-d4 BC791
Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl acetate, Methylene Chloride, Methyl-tert-butyl ether, 1,1,1-Trchloroethane, Carbon tetrachloride, Dibromoethane, 1,2-Dichloroethane

1,2-Dichlorobenzene-d_4 BC791
Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with

other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 0).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: (BC763)

The following samples have analyte results reported less than 2x CRQL. The associated rinse blank results are less than 2x CRQL CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Acetone BC790, BC791, BC792, BC793

C) Trip blank contamination for VOA aqueous samples:

Not applicable.

D) Storage Blank associated with VOA samples only:

The following samples have analyte results reported less than 2x CRQL. The associated storage blank results are less than 2x CRQL. Detects are qualified U. Sample results have been reported at CRQL.

Methylene Chloride BC775, BC776, BC777, BC778, BC780, BC781, BC783, BC784, BC785, BC786, BC793, BC790, BC791, BC792

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning

standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 33A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 33A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 33A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Bromoform BC775, BC776, BC777, BC778, BC779, BC780, BC781, BC782, BC783, BC784, BC785, BC786, BC787, BC788, BC789, BC790, BC791, BC792, BC793, BC7H7, VBLK37, VBLK38, VBLK76, VHBLK01

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

1,1-Dichloroethene BC775, BC776, BC777, BC778, BC779, BC780, BC781, BC782, BC783, BC784, BC785, BC786, BC787, BC788, BC789, BC7H7, VBLK37

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 33A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 33A (Rev 0). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 33A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

Percent relative standard deviation (%RSD) in the initial calibration fell outside the contractual criteria for Bromomethane.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: BNA

The current SOP HW-35A (Revision 0) July 2015, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 0).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 0), qualifications were applied as per Table 7 of SOP HW-35A (Revision 0) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1**,4-Dioxane-d_8** BC790
1,4-Dioxane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 0).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: (BC763)

No qualification required due to rinse blank contamination.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 0). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 0) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 0) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Butylbenzylphthalate BC784, BC786, BC787, BC789, BC790, BC791, BC792, BC793

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

2,2-oxybis(1-Chloropropane) BC784, BC786, BC787, BC789, BC790, BC791, BC792, BC793

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 0) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 0). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 0), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

8. FIELD DUPLICATES:

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

0269-SED01-0-6

Case No:	45717	Contract:	EPW14030	SDG No:	BC775	Lab Code:	CHM

Sample Number:	BC775	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED01	pH:	6.61	Sample Date:	11/11/2015	Sample Time:	13:35:00
% Moisture :				% Solids :	67.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	99	U	ug/kg	99	U	1.0	Yes	S3VEM
Benzaldehyde	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Phenol	Target	76	J	ug/kg	76	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Acetophenone	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachloroethane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Nitrobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Isophorone	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Naphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Caprolactam	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2-Nitroaniline	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	780		ug/kg	780		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Acenaphthylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Acenaphthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Dibenzofuran	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Diethylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluorene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Atrazine	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Phenanthrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Carbazole	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Chrysene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	58	J	ug/kg	58	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(a)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(g,h,i)perylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	1300	J	ug/kg	1300	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC775	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: 0269-SED01	pH:	Sample Date: 11/11/2015	Sample Time: 13:35:00
% Moisture :		% Solids : 67.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Chloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Bromomethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Chloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.3	UJ	ug/kg	6.3	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Acetone	Target	23		ug/kg	23		1.0	Yes	S3VEM
Carbon disulfide	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.3	UJ	ug/kg	4.8	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Chloroform	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Benzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Toluene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
o-xylene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Styrene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Bromoform	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC776	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED01	pH:		Sample Date:	11/11/2015	Sample Time:	14:00:00
% Moisture :				% Solids :	67.2		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Chloromethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Vinyl chloride	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Bromomethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Chloroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	8.8	UJ	ug/kg	8.8	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Acetone	Target	51		ug/kg	51		1.0	Yes	S3VEM
Carbon disulfide	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Methyl Acetate	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Methylene chloride	Target	8.8	U	ug/kg	5.9	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
2-Butanone	Target	13	J	ug/kg	13	J	1.0	Yes	S3VEM
Bromochloromethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Chloroform	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Cyclohexane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Benzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Trichloroethene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	18	U	ug/kg	18	U	1.0	Yes	S3VEM
Toluene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
2-Hexanone	Target	18	U	ug/kg	18	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Chlorobenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Ethylbenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
o-xylene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
m,p-Xylene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Styrene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Bromoform	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	8.8	U	ug/kg	8.8	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC776	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: 0269-SED01	pH: 7.05	Sample Date: 11/11/2015	Sample Time: 14:00:00
% Moisture :		% Solids : 67.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	Yes	S3VEM
Benzaldehyde	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Phenol	Target	61	J	ug/kg	61	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Acetophenone	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachloroethane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Nitrobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Isophorone	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Naphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Caprolactam	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1100		ug/kg	1100		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Acenaphthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Dibenzofuran	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Diethylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluorene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Atrazine	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Phenanthrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Carbazole	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Chrysene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	490	U	ug/kg	490	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	2200	J	ug/kg	2200	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC777	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED01	pH:		Sample Date:	11/11/2015	Sample Time:	13:45:00
% Moisture :				% Solids :	71.5		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Chloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Bromomethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Chloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.6	UJ	ug/kg	7.6	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Acetone	Target	37		ug/kg	37		1.0	Yes	S3VEM
Carbon disulfide	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.6	U	ug/kg	5.0	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
2-Butanone	Target	11	J	ug/kg	11	J	1.0	Yes	S3VEM
Bromochloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Chloroform	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Cyclohexane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Benzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Toluene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
o-xylene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Styrene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Bromoform	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.6	U	ug/kg	7.6	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC777	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED01	pH:	6.80	Sample Date:	11/11/2015	Sample Time:	13:45:00
% Moisture :				% Solids :	71.5		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	93	U	ug/kg	93	U	1.0	Yes	S3VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Phenol	Target	62	J	ug/kg	62	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Naphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1200		ug/kg	1200		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Fluorene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Phenanthrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Carbazole	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Chrysene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	2500	J	ug/kg	2500	J	1.0	Yes	NV
Total Alkanes	TIC	99		ug/kg	99		1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	100	J	ug/kg	100	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC778	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: 0269-SED02	pH:	Sample Date: 11/11/2015	Sample Time: 15:00:00
% Moisture :		% Solids : 48.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Acetone	Target	90		ug/kg	90		1.0	Yes	S3VEM
Carbon disulfide	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methyl Acetate	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methylene chloride	Target	14	U	ug/kg	5.8	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
2-Butanone	Target	25	J	ug/kg	25	J	1.0	Yes	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Cyclohexane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Benzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Trichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Toluene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
2-Hexanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Ethylbenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
o-xylene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
m,p-Xylene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromoform	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC778	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED02	pH:	6.56	Sample Date:	11/11/2015	Sample Time:	15:00:00
% Moisture :				% Solids :	48.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	140	U	ug/kg	140	U	1.0	Yes	S3VEM
Benzaldehyde	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Phenol	Target	93	J	ug/kg	93	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Methylphenol	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Acetophenone	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
4-Methylphenol	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachloroethane	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Nitrobenzene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Isophorone	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Naphthalene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Caprolactam	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1700		ug/kg	1700		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Acenaphthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Dibenzofuran	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Diethylphthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Fluorene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Atrazine	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Phenanthrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Anthracene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Carbazole	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Fluoranthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Pyrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Chrysene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	670	U	ug/kg	670	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	3400	J	ug/kg	3400	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	190	J	ug/kg	190	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC779	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED02	pH:	6.50	Sample Date:	11/11/2015	Sample Time:	15:30:00
% Moisture :				% Solids :	55.1		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	Yes	S3VEM
Benzaldehyde	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Phenol	Target	100	J	ug/kg	100	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2-Methylphenol	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Acetophenone	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
4-Methylphenol	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Hexachloroethane	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Nitrobenzene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Isophorone	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Naphthalene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Caprolactam	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1400		ug/kg	1400		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Acenaphthene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Dibenzofuran	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Diethylphthalate	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Fluorene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Atrazine	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Phenanthrene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Anthracene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Carbazole	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Fluoranthene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Pyrene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Chrysene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	600	U	ug/kg	600	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	310	U	ug/kg	310	U	1.0	Yes	S3VEM
Total Alkanes	TIC	430		ug/kg	430		1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	3100	J	ug/kg	3100	J	1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC779	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED02	pH:		Sample Date:	11/11/2015	Sample Time:	15:30:00
% Moisture :				% Solids :	55.1		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Acetone	Target	95		ug/kg	95		1.0	Yes	S3VEM
Carbon disulfide	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methyl Acetate	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methylene chloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
2-Butanone	Target	28		ug/kg	28		1.0	Yes	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Cyclohexane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Benzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Trichloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Toluene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
2-Hexanone	Target	28	U	ug/kg	28	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Ethylbenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
o-xylene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
m,p-Xylene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromoform	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC780	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED02	pH:		Sample Date:	11/11/2015	Sample Time:	15:20:00
% Moisture :				% Solids :	53.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Acetone	Target	96		ug/kg	96		1.0	Yes	S3VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylene chloride	Target	13	U	ug/kg	6.1	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Butanone	Target	28		ug/kg	28		1.0	Yes	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	27	U	ug/kg	27	U	1.0	Yes	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Hexanone	Target	27	U	ug/kg	27	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
o-xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC780	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED02	pH:	6.24	Sample Date:	11/11/2015	Sample Time:	15:20:00
% Moisture :				% Solids :	53.6		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	Yes	S3VEM
Benzaldehyde	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Phenol	Target	84	J	ug/kg	84	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Methylphenol	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Acetophenone	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
4-Methylphenol	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Hexachloroethane	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Nitrobenzene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Isophorone	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Naphthalene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Caprolactam	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1200		ug/kg	1200		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Acenaphthene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Dibenzofuran	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Diethylphthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Fluorene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Atrazine	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Phenanthrene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Anthracene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Carbazole	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Fluoranthene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Pyrene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Chrysene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	610	U	ug/kg	610	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	2900	J	ug/kg	2900	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC781	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED03	pH:	6.10	Sample Date:	11/11/2015	Sample Time:	17:00:00
% Moisture :				% Solids :	47.7		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	140	U	ug/kg	140	U	1.0	Yes	S3VEM
Benzaldehyde	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Phenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2-Methylphenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Acetophenone	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
4-Methylphenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Hexachloroethane	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Nitrobenzene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Isophorone	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Naphthalene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Caprolactam	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	2300		ug/kg	2300		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Acenaphthene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Dibenzofuran	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Diethylphthalate	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Fluorene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Atrazine	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Phenanthrene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Anthracene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Carbazole	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Fluoranthene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Pyrene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Chrysene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	79	J	ug/kg	79	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	690	U	ug/kg	690	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	360	U	ug/kg	360	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	1900	J	ug/kg	1900	J	1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	200	J	ug/kg	200	J	1.0	Yes	NV
unknown-01	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
Total Alkanes	TIC	200		ug/kg	200		1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC781	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: 0269-SED03	pH:	Sample Date: 11/11/2015	Sample Time: 17:00:00
% Moisture :		% Solids : 47.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Chloromethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Vinyl chloride	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Bromomethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Chloroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	16	UJ	ug/kg	16	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Acetone	Target	91		ug/kg	91		1.0	Yes	S3VEM
Carbon disulfide	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Methyl Acetate	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Methylene chloride	Target	16	U	ug/kg	6.7	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
2-Butanone	Target	22	J	ug/kg	22	J	1.0	Yes	S3VEM
Bromochloromethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Chloroform	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Cyclohexane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Benzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Trichloroethene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	32	U	ug/kg	32	U	1.0	Yes	S3VEM
Toluene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
2-Hexanone	Target	32	U	ug/kg	32	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Chlorobenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Ethylbenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
o-xylene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
m,p-Xylene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Styrene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Bromoform	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
unknown-01	TIC	35	J	ug/kg	35	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC782	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED03	pH:	6.68	Sample Date:	11/11/2015	Sample Time:	17:20:00
% Moisture :				% Solids :	46.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	140	U	ug/kg	140	U	1.0	Yes	S3VEM
Benzaldehyde	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Phenol	Target	90	J	ug/kg	90	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Methylphenol	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Acetophenone	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
4-Methylphenol	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Hexachloroethane	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Nitrobenzene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Isophorone	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Naphthalene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Caprolactam	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	2100		ug/kg	2100		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Acenaphthene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Dibenzofuran	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Diethylphthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Fluorene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Atrazine	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Phenanthrene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Anthracene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Carbazole	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Fluoranthene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Pyrene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Chrysene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	710	U	ug/kg	710	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	370	U	ug/kg	370	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	230	J	ug/kg	230	J	1.0	Yes	NV
unknown-01	TIC	190	J	ug/kg	190	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	2100	J	ug/kg	2100	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC782	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED03	pH:		Sample Date:	11/11/2015	Sample Time:	17:20:00
% Moisture :				% Solids :	46.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Vinyl chloride	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromomethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	15	UJ	ug/kg	15	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Acetone	Target	88		ug/kg	88		1.0	Yes	S3VEM
Carbon disulfide	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methyl Acetate	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methylene chloride	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
2-Butanone	Target	21	J	ug/kg	21	J	1.0	Yes	S3VEM
Bromochloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chloroform	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Cyclohexane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Benzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Trichloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	30	U	ug/kg	30	U	1.0	Yes	S3VEM
Toluene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
2-Hexanone	Target	30	U	ug/kg	30	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Ethylbenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
o-xylene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
m,p-Xylene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Styrene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromoform	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC783	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED03	pH:		Sample Date:	11/11/2015	Sample Time:	17:10:00
% Moisture :				% Solids :	48.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Vinyl chloride	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromomethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	15	UJ	ug/kg	15	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Acetone	Target	92		ug/kg	92		1.0	Yes	S3VEM
Carbon disulfide	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methyl Acetate	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methylene chloride	Target	15	U	ug/kg	6.1	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
2-Butanone	Target	21	J	ug/kg	21	J	1.0	Yes	S3VEM
Bromochloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chloroform	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Cyclohexane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Benzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Trichloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	30	U	ug/kg	30	U	1.0	Yes	S3VEM
Toluene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
2-Hexanone	Target	30	U	ug/kg	30	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Chlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Ethylbenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
o-xylene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
m,p-Xylene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Styrene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromoform	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC783	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: 0269-SED03	pH: 6.52	Sample Date: 11/11/2015	Sample Time: 17:10:00
% Moisture :		% Solids : 48.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	140	U	ug/kg	140	U	1.0	Yes	S3VEM
Benzaldehyde	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Phenol	Target	92	J	ug/kg	92	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Methylphenol	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Acetophenone	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
4-Methylphenol	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachloroethane	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Nitrobenzene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Isophorone	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Naphthalene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Caprolactam	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1600		ug/kg	1600		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Acenaphthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Dibenzofuran	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Diethylphthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Fluorene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Atrazine	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Phenanthrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Anthracene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Carbazole	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Fluoranthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Pyrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Chrysene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	680	U	ug/kg	680	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	350	U	ug/kg	350	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	3200	J	ug/kg	3200	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC784	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED04	pH:		Sample Date:	11/11/2015	Sample Time:	16:25:00
% Moisture :				% Solids :	36.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Chloromethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Vinyl chloride	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Bromomethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Chloroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	23	UJ	ug/kg	23	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Acetone	Target	91		ug/kg	91		1.0	Yes	S3VEM
Carbon disulfide	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Methyl Acetate	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Methylene chloride	Target	23	U	ug/kg	16	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
2-Butanone	Target	43	J	ug/kg	43	J	1.0	Yes	S3VEM
Bromochloromethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Chloroform	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Cyclohexane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Benzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Trichloroethene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	45	U	ug/kg	45	U	1.0	Yes	S3VEM
Toluene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
2-Hexanone	Target	45	U	ug/kg	45	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Chlorobenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Ethylbenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
o-xylene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
m,p-Xylene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Styrene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Bromoform	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Isopropyl Alcohol	TIC	37	J	ug/kg	37	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC784	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED04	pH:	6.18	Sample Date:	11/11/2015	Sample Time:	16:25:00
% Moisture :				% Solids :	36.8		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	180	U	ug/kg	180	U	1.0	Yes	S3VEM
Benzaldehyde	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Phenol	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Methylphenol	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	900	UJ	ug/kg	900	U	1.0	Yes	S3VEM
Acetophenone	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
4-Methylphenol	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Hexachloroethane	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Nitrobenzene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Isophorone	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Naphthalene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Caprolactam	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	2100		ug/kg	2100		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Acenaphthene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Dibenzofuran	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Diethylphthalate	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Fluorene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Atrazine	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Phenanthrene	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
Anthracene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Carbazole	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Fluoranthene	Target	400	J	ug/kg	400	J	1.0	Yes	S3VEM
Pyrene	Target	310	J	ug/kg	310	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	240	J	ug/kg	240	J	1.0	Yes	S3VEM
Chrysene	Target	210	J	ug/kg	210	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	150	J	ug/kg	150	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	900	U	ug/kg	900	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	210	J	ug/kg	210	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	110	J	ug/kg	110	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	200	J	ug/kg	200	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	91	J	ug/kg	91	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	460	U	ug/kg	460	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC785	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED04	pH:		Sample Date:	11/11/2015	Sample Time:	16:35:00
% Moisture :				% Solids :	64.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Bromomethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.3	UJ	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Acetone	Target	43		ug/kg	43		1.0	Yes	S3VEM
Carbon disulfide	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.3	U	ug/kg	5.6	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
2-Butanone	Target	12	J	ug/kg	12	J	1.0	Yes	S3VEM
Bromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chloroform	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Cyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Benzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Toluene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
o-xylene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Styrene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Bromoform	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Isopropyl Alcohol	TIC	7.3	J	ug/kg	7.3	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC785	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED04	pH:	6.48	Sample Date:	11/11/2015	Sample Time:	16:35:00
% Moisture :				% Solids :	64.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	Yes	S3VEM
Benzaldehyde	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Phenol	Target	84	J	ug/kg	84	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2-Methylphenol	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Acetophenone	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
4-Methylphenol	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Hexachloroethane	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Nitrobenzene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Isophorone	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Naphthalene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Caprolactam	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1100		ug/kg	1100		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Acenaphthene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Dibenzofuran	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Diethylphthalate	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Fluorene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Atrazine	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Phenanthrene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Anthracene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Carbazole	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Fluoranthene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Pyrene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Chrysene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	510	U	ug/kg	510	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	260	U	ug/kg	260	U	1.0	Yes	S3VEM
unknown-02	TIC	250	J	ug/kg	250	J	1.0	Yes	NV
unknown-01	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	2200	J	ug/kg	2200	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Piperidine, 1-(5-trifluoromethyl-2	TIC	350	J	ug/kg	350	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC786	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED04	pH:	6.25	Sample Date:	11/11/2015	Sample Time:	16:30:00
% Moisture :				% Solids :	58.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	Yes	S3VEM
Benzaldehyde	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Phenol	Target	61	J	ug/kg	61	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Methylphenol	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	560	UJ	ug/kg	560	U	1.0	Yes	S3VEM
Acetophenone	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
4-Methylphenol	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Hexachloroethane	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Nitrobenzene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Isophorone	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Naphthalene	Target	60	J	ug/kg	60	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Caprolactam	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1400		ug/kg	1400		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	85	J	ug/kg	85	J	1.0	Yes	S3VEM
3-Nitroaniline	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Acenaphthene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Dibenzofuran	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Diethylphthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Fluorene	Target	81	J	ug/kg	81	J	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Atrazine	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Phenanthrene	Target	1100		ug/kg	1100		1.0	Yes	S3VEM
Anthracene	Target	550		ug/kg	550		1.0	Yes	S3VEM
Carbazole	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Fluoranthene	Target	2900		ug/kg	2900		1.0	Yes	S3VEM
Pyrene	Target	2100		ug/kg	2100		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	1700		ug/kg	1700		1.0	Yes	S3VEM
Chrysene	Target	1300		ug/kg	1300		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	59	J	ug/kg	59	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	560	U	ug/kg	560	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	1500		ug/kg	1500		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	640		ug/kg	640		1.0	Yes	S3VEM
Benzo(a)pyrene	Target	1200		ug/kg	1200		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	620		ug/kg	620		1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	220	J	ug/kg	220	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	530		ug/kg	530		1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Pyrene, 1-methyl-	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
8-Dimethylaminonaphthalene-1-carbo	TIC	120	J	ug/kg	120	J	1.0	Yes	NV
unknown-01	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
2,6,10,14,18,22-Tetracosahexaene,	TIC	170	J	ug/kg	170	J	1.0	Yes	NV
Phenanthrene, 1-methyl-	TIC	300	J	ug/kg	300	J	1.0	Yes	NV
11H-Benzo[b]fluorene	TIC	240	J	ug/kg	240	J	1.0	Yes	NV
Phenanthrene, 4-methyl-	TIC	190	J	ug/kg	190	J	1.0	Yes	NV
Phenanthrene, 2-methyl-	TIC	400	J	ug/kg	400	J	1.0	Yes	NV
Dibenzo[def,mno]chrysene	TIC	440	J	ug/kg	440	J	1.0	Yes	NV
Phenanthrene, 2,5-dimethyl-	TIC	240	J	ug/kg	240	J	1.0	Yes	NV
Phenol, 4-(2-phenylethenyl)-	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
9H-Fluoren-9-ol	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
unknown-02	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
9H-Fluorene, 2-methyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
11H-Benzo[a]fluorene	TIC	220	J	ug/kg	220	J	1.0	Yes	NV
1,2:7,8-Dibenzophenanthrene	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
Triphenylene, 2-methyl-	TIC	170	J	ug/kg	170	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Cyclononasiloxane, octadecamethyl-	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
4H-Cyclopenta[def]phenanthrene	TIC	630	J	ug/kg	630	J	1.0	Yes	NV
Naphthalene, 2-phenyl-	TIC	220	J	ug/kg	220	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC786	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED04	pH:		Sample Date:	11/11/2015	Sample Time:	16:30:00
% Moisture :				% Solids :	58.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Chloromethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Vinyl chloride	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromomethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Chloroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Acetone	Target	91		ug/kg	91		1.0	Yes	S3VEM
Carbon disulfide	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Methyl Acetate	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Methylene chloride	Target	12	U	ug/kg	5.0	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
2-Butanone	Target	25		ug/kg	25		1.0	Yes	S3VEM
Bromochloromethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Chloroform	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Cyclohexane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Benzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Trichloroethene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Toluene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
2-Hexanone	Target	23	U	ug/kg	23	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Chlorobenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Ethylbenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
o-xylene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
m,p-Xylene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Styrene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Bromoform	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	12	U	ug/kg	12	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC787	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED05	pH:	6.38	Sample Date:	11/11/2015	Sample Time:	17:35:00
% Moisture :				% Solids :	52.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	U	ug/kg	130	U	1.0	Yes	S3VEM
Benzaldehyde	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Phenol	Target	65	J	ug/kg	65	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Methylphenol	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	630	UJ	ug/kg	630	U	1.0	Yes	S3VEM
Acetophenone	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
4-Methylphenol	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Hexachloroethane	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Nitrobenzene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Isophorone	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Naphthalene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Caprolactam	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1400		ug/kg	1400		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Acenaphthene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Dibenzofuran	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Diethylphthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Fluorene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Atrazine	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Phenanthrene	Target	95	J	ug/kg	95	J	1.0	Yes	S3VEM
Anthracene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Carbazole	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Fluoranthene	Target	340		ug/kg	340		1.0	Yes	S3VEM
Pyrene	Target	230	J	ug/kg	230	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	180	J	ug/kg	180	J	1.0	Yes	S3VEM
Chrysene	Target	140	J	ug/kg	140	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	76	J	ug/kg	76	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	630	U	ug/kg	630	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	150	J	ug/kg	150	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	77	J	ug/kg	77	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	150	J	ug/kg	150	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	71	J	ug/kg	71	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	65	J	ug/kg	65	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	320	U	ug/kg	320	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
unknown-01	TIC	170	J	ug/kg	170	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC787	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED05	pH:		Sample Date:	11/11/2015	Sample Time:	17:35:00
% Moisture :				% Solids :	52.3		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Acetone	Target	44		ug/kg	44		1.0	Yes	S3VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylene chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Butanone	Target	12	J	ug/kg	12	J	1.0	Yes	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	Yes	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
o-xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC788	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED05	pH:	6.49	Sample Date:	11/11/2015	Sample Time:	17:55:00
% Moisture :				% Solids :	68.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	97	U	ug/kg	97	U	1.0	Yes	S3VEM
Benzaldehyde	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Phenol	Target	56	J	ug/kg	56	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylphenol	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Acetophenone	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
4-Methylphenol	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachloroethane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Nitrobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Isophorone	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Naphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Caprolactam	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1300		ug/kg	1300		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Acenaphthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Dibenzofuran	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Diethylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluorene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Atrazine	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Phenanthrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Carbazole	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Chrysene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	480	U	ug/kg	480	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	250	U	ug/kg	250	U	1.0	Yes	S3VEM
Hexanoic acid, 2-ethyl-	TIC	140	J	ug/kg	140	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	2100	J	ug/kg	2100	J	1.0	Yes	NV
1-Hexacosanol	TIC	110	J	ug/kg	110	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC788	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED05	pH:		Sample Date:	11/11/2015	Sample Time:	17:55:00
% Moisture :				% Solids :	68.9		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Chloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Bromomethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Chloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.8	UJ	ug/kg	6.8	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Acetone	Target	13	J	ug/kg	13	J	1.0	Yes	S3VEM
Carbon disulfide	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Bromochloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Chloroform	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Benzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Toluene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
o-xylene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Styrene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Bromoform	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.8	U	ug/kg	6.8	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No:	45717	Contract:	EPW14030	SDG No:	BC775	Lab Code:	CHM

Sample Number:	BC789	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED05	pH:	6.51	Sample Date:	11/11/2015	Sample Time:	17:45:00
% Moisture :				% Solids :	57.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	Yes	S3VEM
Benzaldehyde	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Phenol	Target	85	J	ug/kg	85	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2-Methylphenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	570	UJ	ug/kg	570	U	1.0	Yes	S3VEM
Acetophenone	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4-Methylphenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Hexachloroethane	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Nitrobenzene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Isophorone	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Naphthalene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Caprolactam	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1600		ug/kg	1600		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Acenaphthene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Dibenzofuran	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Diethylphthalate	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Fluorene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Atrazine	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Phenanthrene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Anthracene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Carbazole	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Fluoranthene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Pyrene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Chrysene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	100	J	ug/kg	100	J	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	300	U	ug/kg	300	U	1.0	Yes	S3VEM
Squalene	TIC	380	J	ug/kg	380	J	1.0	Yes	NV
Total Alkanes	TIC	130		ug/kg	130		1.0	Yes	NV
n-Hexadecanoic acid	TIC	190	J	ug/kg	190	J	1.0	Yes	NV
Cyclononasiloxane, octadecamethyl-	TIC	120	J	ug/kg	120	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC789	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED05	pH:		Sample Date:	11/11/2015	Sample Time:	17:45:00
% Moisture :				% Solids :	57.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Acetone	Target	94		ug/kg	94		1.0	Yes	S3VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylene chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Butanone	Target	30		ug/kg	30		1.0	Yes	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	Yes	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
o-xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC790	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: 0269-SED06	pH:	Sample Date: 11/12/2015	Sample Time: 10:00:00
% Moisture :		% Solids : 73.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Chloromethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Vinyl chloride	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Bromomethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Chloroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Acetone	Target	13	U	ug/kg	17		1.0	Yes	S3VEM
Carbon disulfide	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Methyl Acetate	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Methylene chloride	Target	6.5	U	ug/kg	3.1	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromochloromethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Chloroform	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Cyclohexane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Benzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Trichloroethene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Toluene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Chlorobenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Ethylbenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
o-xylene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
m,p-Xylene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Styrene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Bromoform	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	6.5	U	ug/kg	6.5	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC790	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED06	pH:	6.42	Sample Date:	11/12/2015	Sample Time:	10:00:00
% Moisture :				% Solids :	73.5		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	91	UJ	ug/kg	91	U	1.0	Yes	S3VEM
Benzaldehyde	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Phenol	Target	55	J	ug/kg	55	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylphenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	450	UJ	ug/kg	450	U	1.0	Yes	S3VEM
Acetophenone	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4-Methylphenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Naphthalene	Target	59	J	ug/kg	59	J	1.0	Yes	S3VEM
4-Chloroaniline	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Caprolactam	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	410		ug/kg	410		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	84	J	ug/kg	84	J	1.0	Yes	S3VEM
3-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Acenaphthene	Target	55	J	ug/kg	55	J	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluorene	Target	80	J	ug/kg	80	J	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Atrazine	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Phenanthrene	Target	690		ug/kg	690		1.0	Yes	S3VEM
Anthracene	Target	490		ug/kg	490		1.0	Yes	S3VEM
Carbazole	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Fluoranthene	Target	2300		ug/kg	2300		1.0	Yes	S3VEM
Pyrene	Target	1600		ug/kg	1600		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	1300		ug/kg	1300		1.0	Yes	S3VEM
Chrysene	Target	1100		ug/kg	1100		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	450	U	ug/kg	450	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	1100		ug/kg	1100		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	500		ug/kg	500		1.0	Yes	S3VEM
Benzo(a)pyrene	Target	1000		ug/kg	1000		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	500		ug/kg	500		1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	180	J	ug/kg	180	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	400		ug/kg	400		1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	Yes	S3VEM
unknown-01	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
9H-Fluoren-9-ol	TIC	97	J	ug/kg	97	J	1.0	Yes	NV
Chrysene, 1-methyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
Dibenzo[def,mno]chrysene	TIC	210	J	ug/kg	210	J	1.0	Yes	NV
Anthracene, 9-methyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
11H-Benzo[b]fluorene	TIC	180	J	ug/kg	180	J	1.0	Yes	NV
2-Phenylnaphthalene	TIC	220	J	ug/kg	220	J	1.0	Yes	NV
Total Alkanes	TIC	93		ug/kg	93		1.0	Yes	NV
4H-Cyclopenta[def]phenanthrene	TIC	460	J	ug/kg	460	J	1.0	Yes	NV
9,10-Dimethylanthracene	TIC	170	J	ug/kg	170	J	1.0	Yes	NV
Fluoranthene, 2-methyl-	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
Pyrene, 4-methyl-	TIC	100	J	ug/kg	100	J	1.0	Yes	NV
Benzo[b]triphenylene	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
Anthracene, 2-ethyl-	TIC	110	J	ug/kg	110	J	1.0	Yes	NV
1,2:7,8-Dibenzophenanthrene	TIC	120	J	ug/kg	120	J	1.0	Yes	NV
Phenanthrene, 2-methyl-	TIC	250	J	ug/kg	250	J	1.0	Yes	NV
Squalene	TIC	160	J	ug/kg	160	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC791	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED06	pH:		Sample Date:	11/12/2015	Sample Time:	10:20:00
% Moisture :				% Solids :	85		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Chloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Bromomethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Chloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Acetone	Target	11	U	ug/kg	12		1.0	Yes	S3VEM
Carbon disulfide	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.4	UJ	ug/kg	2.5	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Chloroform	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Benzene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Toluene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
o-xylene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Styrene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Bromoform	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.4	UJ	ug/kg	5.4	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Isopropyl Alcohol	TIC	6.3	J	ug/kg	6.3	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC791	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED06	pH:	6.53	Sample Date:	11/12/2015	Sample Time:	10:20:00
% Moisture :				% Solids :	85		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	Yes	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenol	Target	66	J	ug/kg	66	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	UJ	ug/kg	390	U	1.0	Yes	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	640		ug/kg	640		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Phenanthrene	Target	57	J	ug/kg	57	J	1.0	Yes	S3VEM
Anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Fluoranthene	Target	220		ug/kg	220		1.0	Yes	S3VEM
Pyrene	Target	160	J	ug/kg	160	J	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	110	J	ug/kg	110	J	1.0	Yes	S3VEM
Chrysene	Target	94	J	ug/kg	94	J	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	100	J	ug/kg	100	J	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	42	J	ug/kg	42	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	94	J	ug/kg	94	J	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	47	J	ug/kg	47	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	44	J	ug/kg	44	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
unknown-01	TIC	84	J	ug/kg	84	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC792	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED06	pH:	6.61	Sample Date:	11/12/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	77		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	87	U	ug/kg	87	U	1.0	Yes	S3VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Phenol	Target	69	J	ug/kg	69	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	430	UJ	ug/kg	430	U	1.0	Yes	S3VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	790		ug/kg	790		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Phenanthrene	Target	350		ug/kg	350		1.0	Yes	S3VEM
Anthracene	Target	150	J	ug/kg	150	J	1.0	Yes	S3VEM
Carbazole	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Fluoranthene	Target	760		ug/kg	760		1.0	Yes	S3VEM
Pyrene	Target	540		ug/kg	540		1.0	Yes	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	350		ug/kg	350		1.0	Yes	S3VEM
Chrysene	Target	280		ug/kg	280		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	430	U	ug/kg	430	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	310		ug/kg	310		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	280		ug/kg	280		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	46	J	ug/kg	46	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	130	J	ug/kg	130	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	Yes	S3VEM
11H-Benzo[b]fluorene	TIC	99	J	ug/kg	99	J	1.0	Yes	NV
Anthracene, 2-methyl-	TIC	100	J	ug/kg	100	J	1.0	Yes	NV
Fluoranthene, 2-methyl-	TIC	86	J	ug/kg	86	J	1.0	Yes	NV
4H-Cyclopenta[def]phenanthrene	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Phenanthrene, 2-methyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC792	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED06	pH:		Sample Date:	11/12/2015	Sample Time:	10:10:00
% Moisture :				% Solids :	77		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Chloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Vinyl chloride	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Bromomethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Chloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Acetone	Target	15	U	ug/kg	28		1.0	Yes	S3VEM
Carbon disulfide	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Methyl Acetate	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Methylene chloride	Target	7.7	U	ug/kg	3.7	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Bromochloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Chloroform	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Cyclohexane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Benzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Trichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Toluene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Chlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Ethylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
o-xylene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
m,p-Xylene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Styrene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Bromoform	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Isopropyl Alcohol	TIC	8.5	J	ug/kg	8.5	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC793	Method:	Volatile Organics	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED07	pH:		Sample Date:	11/12/2015	Sample Time:	10:45:00
% Moisture :				% Solids :	58.1		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Chloromethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Bromomethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Chloroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Acetone	Target	16	U	ug/kg	15	J	1.0	Yes	S3VEM
Carbon disulfide	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	8.0	U	ug/kg	4.2	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
2-Butanone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Bromochloromethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Chloroform	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Benzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Toluene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	16	U	ug/kg	16	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
o-xylene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Styrene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Bromoform	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	8.0	U	ug/kg	8.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC793	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED07	pH:	6.57	Sample Date:	11/12/2015	Sample Time:	10:45:00
% Moisture :				% Solids :	58.1		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	Yes	S3VEM
Benzaldehyde	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Phenol	Target	59	J	ug/kg	59	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Methylphenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	570	UJ	ug/kg	570	U	1.0	Yes	S3VEM
Acetophenone	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4-Methylphenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Hexachloroethane	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Nitrobenzene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Isophorone	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Naphthalene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Caprolactam	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	860		ug/kg	860		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Acenaphthene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Dibenzofuran	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Diethylphthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Fluorene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Atrazine	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Phenanthrene	Target	370		ug/kg	370		1.0	Yes	S3VEM
Anthracene	Target	180	J	ug/kg	180	J	1.0	Yes	S3VEM
Carbazole	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Fluoranthene	Target	1100		ug/kg	1100		1.0	Yes	S3VEM
Pyrene	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	610		ug/kg	610		1.0	Yes	S3VEM
Chrysene	Target	490		ug/kg	490		1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	570	U	ug/kg	570	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	580		ug/kg	580		1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	230	J	ug/kg	230	J	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	480		ug/kg	480		1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	250	J	ug/kg	250	J	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	86	J	ug/kg	86	J	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	200	J	ug/kg	200	J	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	290	U	ug/kg	290	U	1.0	Yes	S3VEM
Squalene	TIC	160	J	ug/kg	160	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV
Phenanthrene, 1-methyl-	TIC	130	J	ug/kg	130	J	1.0	Yes	NV
4H-Cyclopenta[def]phenanthrene	TIC	200	J	ug/kg	200	J	1.0	Yes	NV
Anthracene, 2-methyl-	TIC	140	J	ug/kg	140	J	1.0	Yes	NV
11H-Benzo[a]fluorene	TIC	140	J	ug/kg	140	J	1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number:	BC7H7	Method:	Semivolatiles	Matrix:	Soil	MA Number:	
Sample Location:	0269-SED21	pH:	6.61	Sample Date:	11/11/2015	Sample Time:	15:10:00
% Moisture :				% Solids :	50.4		

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	U	ug/kg	130	U	1.0	Yes	S3VEM
Benzaldehyde	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Phenol	Target	88	J	ug/kg	88	J	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2-Methylphenol	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Acetophenone	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
4-Methylphenol	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Hexachloroethane	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Nitrobenzene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Isophorone	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Naphthalene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Caprolactam	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	1600		ug/kg	1600		1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Acenaphthene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Dibenzofuran	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Diethylphthalate	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Fluorene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Atrazine	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Phenanthrene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Anthracene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Carbazole	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Fluoranthene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Pyrene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Chrysene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	650	U	ug/kg	650	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	340	U	ug/kg	340	U	1.0	Yes	S3VEM
Piperidine, 1-(5-trifluoromethyl-2	TIC	790	J	ug/kg	790	J	1.0	Yes	NV
Butane, 2-methoxy-2-methyl-	TIC	3000	J	ug/kg	3000	J	1.0	Yes	NV
Hexanoic acid, 2-ethyl-	TIC	150	J	ug/kg	150	J	1.0	Yes	NV
unknown-01	TIC	800	J	ug/kg	800	J	1.0	Yes	NV
Total Alkanes	TIC	150		ug/kg	150		1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: BC7H7	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: 0269-SED21	pH:	Sample Date: 11/11/2015	Sample Time: 15:10:00
% Moisture :		% Solids : 50.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Acetone	Target	83		ug/kg	83		1.0	Yes	S3VEM
Carbon disulfide	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylene chloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Butanone	Target	21	J	ug/kg	21	J	1.0	Yes	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	Yes	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
o-xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	13	U	ug/kg	13	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: SBLK50	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	Yes	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	Yes	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	Yes	S3VEM
Butane, 2-methoxy-2-methyl-	TIC	410	J	ug/kg	410	J	1.0	Yes	NV
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: VBLK37	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	UJ	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: VBLK38	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: VBLK76	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

Case No: 45717	Contract: EPW14030	SDG No: BC775	Lab Code: CHM

Sample Number: VHBLK01	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture :		% Solids : 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylene chloride	Target	2.1	J	ug/kg	2.1	J	1.0	Yes	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	Yes	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
o-xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	Yes	S3VEM
Total Alkanes	TIC			ug/kg			1.0	Yes	NV

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC775	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	6.3	U	UJ	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	67-64-1	Acetone	23			13	13	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	6.3	J	UJ	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	13	U	U	13	13	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	67-66-3	Chloroform	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	71-43-2	Benzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	13	U	U	13	13	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	108-88-3	Toluene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	13	U	U	13	13	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	95-47-6	o-xylene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	100-42-5	Styrene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	75-25-2	Bromoform	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	6.3	U	U	6.3	6.3	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED01-0-6
BC776	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	8.8	U	UJ	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	67-64-1	Acetone	51			18	18	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	8.8	J	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	13	J	J	18	18	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	67-66-3	Chloroform	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	71-43-2	Benzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC776	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	18	U	U	18	18	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	108-88-3	Toluene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	18	U	U	18	18	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	95-47-6	o-xylene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	100-42-5	Styrene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	75-25-2	Bromoform	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	8.8	U	U	8.8	8.8	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED01-12-24
BC777	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	7.6	U	UJ	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	67-64-1	Acetone	37			15	15	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	7.6	J	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	11	J	J	15	15	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	67-66-3	Chloroform	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	71-43-2	Benzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	15	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	108-88-3	Toluene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	15	U	U	15	15	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	95-47-6	o-xylene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	100-42-5	Styrene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	75-25-2	Bromoform	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	7.6	U	U	7.6	7.6	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED01-6-12
BC778	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	14	U	U	14	14	ug/kg	0269-SED02-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC778	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	14	U	UJ	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	67-64-1	Acetone	90			28	28	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	14	J	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	25	J	J	28	28	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	67-66-3	Chloroform	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	71-43-2	Benzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	28	U	U	28	28	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	108-88-3	Toluene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	28	U	U	28	28	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	95-47-6	o-xylene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	100-42-5	Styrene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	75-25-2	Bromoform	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED02-0-6
BC779	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	14	U	UJ	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	67-64-1	Acetone	95			28	28	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	28			28	28	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	67-66-3	Chloroform	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	71-43-2	Benzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	28	U	U	28	28	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	108-88-3	Toluene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	28	U	U	28	28	ug/kg	0269-SED02-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC779	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	95-47-6	o-xylene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	100-42-5	Styrene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	75-25-2	Bromoform	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	14	U	U	14	14	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED02-12-24
BC780	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	13	U	UJ	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	67-64-1	Acetone	96			27	27	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	13	J	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	28			27	27	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	67-66-3	Chloroform	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	71-43-2	Benzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	27	U	U	27	27	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	108-88-3	Toluene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	27	U	U	27	27	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	95-47-6	o-xylene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	100-42-5	Styrene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	75-25-2	Bromoform	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED02-6-12
BC781	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	16	U	UJ	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	67-64-1	Acetone	91			32	32	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	16	J	U	16	16	ug/kg	0269-SED03-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC781	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	22	J	J	32	32	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	67-66-3	Chloroform	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	71-43-2	Benzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	32	U	U	32	32	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	108-88-3	Toluene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	32	U	U	32	32	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	95-47-6	o-xylene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	100-42-5	Styrene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	75-25-2	Bromoform	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	16	U	U	16	16	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	unknown-01	unknown-01	35	J	J			ug/kg	0269-SED03-0-6
BC782	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	15	U	UJ	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	67-64-1	Acetone	88			30	30	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	21	J	J	30	30	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	67-66-3	Chloroform	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	71-43-2	Benzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	30	U	U	30	30	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	108-88-3	Toluene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	30	U	U	30	30	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	95-47-6	o-xylene	15	U	U	15	15	ug/kg	0269-SED03-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC782	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	100-42-5	Styrene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	75-25-2	Bromoform	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED03-12-24
BC783	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	15	U	UJ	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	67-64-1	Acetone	92			30	30	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	15	J	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	21	J	J	30	30	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	67-66-3	Chloroform	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	71-43-2	Benzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	30	U	U	30	30	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	108-88-3	Toluene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	30	U	U	30	30	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	95-47-6	o-xylene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	100-42-5	Styrene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	75-25-2	Bromoform	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	15	U	U	15	15	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED03-6-12
BC784	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	23	U	UJ	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	67-64-1	Acetone	91			45	45	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	23	J	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	43	J	J	45	45	ug/kg	0269-SED04-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC784	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	67-66-3	Chloroform	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	71-43-2	Benzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	45	U	U	45	45	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	108-88-3	Toluene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	45	U	U	45	45	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	95-47-6	o-xylene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	100-42-5	Styrene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	75-25-2	Bromoform	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	23	U	U	23	23	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	000067-63-0	Isopropyl Alcohol	37	J	J			ug/kg	0269-SED04-0-6
BC785	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	7.3	U	UJ	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	67-64-1	Acetone	43			15	15	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	7.3	J	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	12	J	J	15	15	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	67-66-3	Chloroform	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	71-43-2	Benzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	15	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	108-88-3	Toluene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	15	U	U	15	15	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	95-47-6	o-xylene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	100-42-5	Styrene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	75-25-2	Bromoform	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC785	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	7.3	U	U	7.3	7.3	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	000067-63-0	Isopropyl Alcohol	7.3	J	J			ug/kg	0269-SED04-12-24
BC786	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	12	U	UJ	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	67-64-1	Acetone	91			23	23	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	12	J	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	25			23	23	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	67-66-3	Chloroform	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	71-43-2	Benzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	23	U	U	23	23	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	108-88-3	Toluene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	23	U	U	23	23	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	95-47-6	o-xylene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	100-42-5	Styrene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	75-25-2	Bromoform	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	12	U	U	12	12	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED04-6-12
BC787	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	13	U	UJ	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	67-64-1	Acetone	44			26	26	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	12	J	J	26	26	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	67-66-3	Chloroform	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	13	U	U	13	13	ug/kg	0269-SED05-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC787	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	71-43-2	Benzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	26	U	U	26	26	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	108-88-3	Toluene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	26	U	U	26	26	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	95-47-6	o-xylene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	100-42-5	Styrene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	75-25-2	Bromoform	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED05-0-6
BC788	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	6.8	U	UJ	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	67-64-1	Acetone	13	J	J	14	14	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	14	U	U	14	14	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	67-66-3	Chloroform	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	71-43-2	Benzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	14	U	U	14	14	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	108-88-3	Toluene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	14	U	U	14	14	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	95-47-6	o-xylene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	100-42-5	Styrene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	75-25-2	Bromoform	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC788	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	6.8	U	U	6.8	6.8	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED05-12-24
BC789	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	13	U	UJ	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	67-64-1	Acetone	94			26	26	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	30			26	26	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	67-66-3	Chloroform	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	71-43-2	Benzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	26	U	U	26	26	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	108-88-3	Toluene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	26	U	U	26	26	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	95-47-6	o-xylene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	100-42-5	Styrene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	75-25-2	Bromoform	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED05-6-12
BC790	Sediment	11/12/2015	1.0	75-71-8	Dichlorodifluoromethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	74-87-3	Chloromethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-01-4	Vinyl chloride	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	74-83-9	Bromomethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-00-3	Chloroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-69-4	Trichlorofluoromethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-35-4	1,1-Dichloroethene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	67-64-1	Acetone	13		U	13	13	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-15-0	Carbon disulfide	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	79-20-9	Methyl Acetate	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-09-2	Methylene chloride	6.5	J	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	156-60-5	trans-1,2-Dichloroethene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	1634-04-4	Methyl tert-butyl Ether	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-34-3	1,1-Dichloroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	156-59-2	cis-1,2-Dichloroethene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	78-93-3	2-Butanone	13	U	U	13	13	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	74-97-5	Bromochloromethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	67-66-3	Chloroform	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	71-55-6	1,1,1-Trichloroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	110-82-7	Cyclohexane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	56-23-5	Carbon tetrachloride	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	71-43-2	Benzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	107-06-2	1,2-Dichloroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	79-01-6	Trichloroethene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	108-87-2	Methylcyclohexane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	78-87-5	1,2-Dichloropropane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC790	Sediment	11/12/2015	1.0	75-27-4	Bromodichloromethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	108-10-1	4-Methyl-2-pentanone	13	U	U	13	13	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	108-88-3	Toluene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	79-00-5	1,1,2-Trichloroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	127-18-4	Tetrachloroethene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	591-78-6	2-Hexanone	13	U	U	13	13	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	124-48-1	Dibromochloromethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	106-93-4	1,2-Dibromoethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	108-90-7	Chlorobenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	100-41-4	Ethylbenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	95-47-6	o-xylene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	179601-23-1	m,p-Xylene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	100-42-5	Styrene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	75-25-2	Bromoform	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	98-82-8	Isopropylbenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	541-73-1	1,3-Dichlorobenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	106-46-7	1,4-Dichlorobenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	95-50-1	1,2-Dichlorobenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	120-82-1	1,2,4-trichlorobenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	6.5	U	U	6.5	6.5	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED06-0-6
BC791	Sediment	11/12/2015	1.0	75-71-8	Dichlorodifluoromethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	74-87-3	Chloromethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-01-4	Vinyl chloride	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	74-83-9	Bromomethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-00-3	Chloroethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-69-4	Trichlorofluoromethane	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-35-4	1,1-Dichloroethene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	67-64-1	Acetone	11		U	11	11	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-15-0	Carbon disulfide	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	79-20-9	Methyl Acetate	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-09-2	Methylene chloride	5.4	J	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	156-60-5	trans-1,2-Dichloroethene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	1634-04-4	Methyl tert-butyl Ether	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-34-3	1,1-Dichloroethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	156-59-2	cis-1,2-Dichloroethene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	78-93-3	2-Butanone	11	U	U	11	11	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	74-97-5	Bromochloromethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	67-66-3	Chloroform	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	71-55-6	1,1,1-Trichloroethane	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	110-82-7	Cyclohexane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	56-23-5	Carbon tetrachloride	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	71-43-2	Benzene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	107-06-2	1,2-Dichloroethane	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	79-01-6	Trichloroethene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	108-87-2	Methylcyclohexane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	78-87-5	1,2-Dichloropropane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-27-4	Bromodichloromethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	11	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	108-88-3	Toluene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	79-00-5	1,1,2-Trichloroethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	127-18-4	Tetrachloroethene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	591-78-6	2-Hexanone	11	U	U	11	11	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	124-48-1	Dibromochloromethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	106-93-4	1,2-Dibromoethane	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	108-90-7	Chlorobenzene	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	100-41-4	Ethylbenzene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	95-47-6	o-xylene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	179601-23-1	m,p-Xylene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	100-42-5	Styrene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	75-25-2	Bromoform	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	98-82-8	Isopropylbenzene	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	541-73-1	1,3-Dichlorobenzene	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	106-46-7	1,4-Dichlorobenzene	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	95-50-1	1,2-Dichlorobenzene	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.4	U	U	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	120-82-1	1,2,4-trichlorobenzene	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	5.4	U	UJ	5.4	5.4	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	000067-63-0	Isopropyl Alcohol	6.3	J	J			ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED06-12-24
BC792	Sediment	11/12/2015	1.0	75-71-8	Dichlorodifluoromethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	74-87-3	Chloromethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-01-4	Vinyl chloride	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC792	Sediment	11/12/2015	1.0	74-83-9	Bromomethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-00-3	Chloroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-69-4	Trichlorofluoromethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-35-4	1,1-Dichloroethene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	67-64-1	Acetone	15		U	15	15	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-15-0	Carbon disulfide	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	79-20-9	Methyl Acetate	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-09-2	Methylene chloride	7.7	J	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	156-60-5	trans-1,2-Dichloroethene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	1634-04-4	Methyl tert-butyl Ether	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-34-3	1,1-Dichloroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	156-59-2	cis-1,2-Dichloroethene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	78-93-3	2-Butanone	15	U	U	15	15	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	74-97-5	Bromochloromethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	67-66-3	Chloroform	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	71-55-6	1,1,1-Trichloroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	110-82-7	Cyclohexane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	56-23-5	Carbon tetrachloride	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	71-43-2	Benzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	107-06-2	1,2-Dichloroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	79-01-6	Trichloroethene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	108-87-2	Methylcyclohexane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	78-87-5	1,2-Dichloropropane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-27-4	Bromodichloromethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	15	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	108-88-3	Toluene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	79-00-5	1,1,2-Trichloroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	127-18-4	Tetrachloroethene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	591-78-6	2-Hexanone	15	U	U	15	15	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	124-48-1	Dibromochloromethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	106-93-4	1,2-Dibromoethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	108-90-7	Chlorobenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	100-41-4	Ethylbenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	95-47-6	o-xylene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	179601-23-1	m,p-Xylene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	100-42-5	Styrene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	75-25-2	Bromoform	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	98-82-8	Isopropylbenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	541-73-1	1,3-Dichlorobenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	106-46-7	1,4-Dichlorobenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	95-50-1	1,2-Dichlorobenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	120-82-1	1,2,4-trichlorobenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	7.7	U	U	7.7	7.7	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	000067-63-0	Isopropyl Alcohol	8.5	J	J			ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED06-6-12
BC793	Sediment	11/12/2015	1.0	75-71-8	Dichlorodifluoromethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	74-87-3	Chloromethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-01-4	Vinyl chloride	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	74-83-9	Bromomethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-00-3	Chloroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-69-4	Trichlorofluoromethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-35-4	1,1-Dichloroethene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	67-64-1	Acetone	16	J	U	16	16	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-15-0	Carbon disulfide	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	79-20-9	Methyl Acetate	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-09-2	Methylene chloride	8.0	J	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	156-60-5	trans-1,2-Dichloroethene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	1634-04-4	Methyl tert-butyl Ether	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-34-3	1,1-Dichloroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	156-59-2	cis-1,2-Dichloroethene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	78-93-3	2-Butanone	16	U	U	16	16	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	74-97-5	Bromochloromethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	67-66-3	Chloroform	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	71-55-6	1,1,1-Trichloroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	110-82-7	Cyclohexane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	56-23-5	Carbon tetrachloride	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	71-43-2	Benzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	107-06-2	1,2-Dichloroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	79-01-6	Trichloroethene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	108-87-2	Methylcyclohexane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	78-87-5	1,2-Dichloropropane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-27-4	Bromodichloromethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	108-10-1	4-Methyl-2-pentanone	16	U	U	16	16	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	108-88-3	Toluene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC793	Sediment	11/12/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	79-00-5	1,1,2-Trichloroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	127-18-4	Tetrachloroethene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	591-78-6	2-Hexanone	16	U	U	16	16	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	124-48-1	Dibromochloromethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	106-93-4	1,2-Dibromoethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	108-90-7	Chlorobenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	100-41-4	Ethylbenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	95-47-6	o-xylene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	179601-23-1	m,p-Xylene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	100-42-5	Styrene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	75-25-2	Bromoform	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	98-82-8	Isopropylbenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	541-73-1	1,3-Dichlorobenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	106-46-7	1,4-Dichlorobenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	95-50-1	1,2-Dichlorobenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	120-82-1	1,2,4-trichlorobenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	8.0	U	U	8.0	8	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED07-0-6
BC7H7	Sediment	11/11/2015	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	74-87-3	Chloromethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-01-4	Vinyl chloride	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	74-83-9	Bromomethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-00-3	Chloroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-69-4	Trichlorofluoromethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-35-4	1,1-Dichloroethene	13	U	UJ	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	67-64-1	Acetone	83			26	26	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-15-0	Carbon disulfide	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	79-20-9	Methyl Acetate	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-09-2	Methylene chloride	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	78-93-3	2-Butanone	21	J	J	26	26	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	74-97-5	Bromochloromethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	67-66-3	Chloroform	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	71-55-6	1,1,1-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	110-82-7	Cyclohexane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	56-23-5	Carbon tetrachloride	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	71-43-2	Benzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	107-06-2	1,2-Dichloroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	79-01-6	Trichloroethene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	108-87-2	Methylcyclohexane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-27-4	Bromodichloromethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	108-10-1	4-Methyl-2-pentanone	26	U	U	26	26	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	108-88-3	Toluene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	127-18-4	Tetrachloroethene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	591-78-6	2-Hexanone	26	U	U	26	26	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	124-48-1	Dibromochloromethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	106-93-4	1,2-Dibromoethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	108-90-7	Chlorobenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	100-41-4	Ethylbenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	95-47-6	o-xylene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	179601-23-1	m,p-Xylene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	100-42-5	Styrene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	75-25-2	Bromoform	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	98-82-8	Isopropylbenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	541-73-1	1,3-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	106-46-7	1,4-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	95-50-1	1,2-Dichlorobenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	U	13	13	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED22-0-6
VBLK37			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	74-87-3	Chloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	74-83-9	Bromomethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-00-3	Chloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-35-4	1,1-Dichloroethene	5.0	U	UJ	5.0	5	ug/kg	
VBLK37			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	5	ug/kg	

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK37			1.0	67-64-1	Acetone	10	U	U	10	10	ug/kg	
VBLK37			1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	78-93-3	2-Butanone	10	U	U	10	10	ug/kg	
VBLK37			1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	67-66-3	Chloroform	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	71-43-2	Benzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	10	ug/kg	
VBLK37			1.0	108-88-3	Toluene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	591-78-6	2-Hexanone	10	U	U	10	10	ug/kg	
VBLK37			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	95-47-6	o-xylene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	100-42-5	Styrene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	75-25-2	Bromoform	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK37			1.0	E966796	Total Alkanes						ug/kg	
VBLK38			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	74-87-3	Chloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	74-83-9	Bromomethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-00-3	Chloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	67-64-1	Acetone	10	U	U	10	10	ug/kg	
VBLK38			1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	78-93-3	2-Butanone	10	U	U	10	10	ug/kg	
VBLK38			1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	67-66-3	Chloroform	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	71-43-2	Benzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	10	ug/kg	
VBLK38			1.0	108-88-3	Toluene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	591-78-6	2-Hexanone	10	U	U	10	10	ug/kg	
VBLK38			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	5	ug/kg	

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK38			1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	95-47-6	o-xylene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	100-42-5	Styrene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	75-25-2	Bromoform	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK38			1.0	E966796	Total Alkanes						ug/kg	
VBLK76			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	74-87-3	Chloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	74-83-9	Bromomethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-00-3	Chloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	67-64-1	Acetone	10	U	U	10	10	ug/kg	
VBLK76			1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	78-93-3	2-Butanone	10	U	U	10	10	ug/kg	
VBLK76			1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	67-66-3	Chloroform	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	71-43-2	Benzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	10	ug/kg	
VBLK76			1.0	108-88-3	Toluene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	591-78-6	2-Hexanone	10	U	U	10	10	ug/kg	
VBLK76			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	95-47-6	o-xylene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	100-42-5	Styrene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	75-25-2	Bromoform	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VBLK76			1.0	E966796	Total Alkanes						ug/kg	
VHBLK01			1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	74-87-3	Chloromethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	74-83-9	Bromomethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-00-3	Chloroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	67-64-1	Acetone	10	U	U	10	10	ug/kg	
VHBLK01			1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-09-2	Methylene chloride	2.1	J	J	5.0	5	ug/kg	
VHBLK01			1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	5	ug/kg	

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK01			1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	78-93-3	2-Butanone	10	U	U	10	10	ug/kg	
VHBLK01			1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	67-66-3	Chloroform	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	71-43-2	Benzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	10	ug/kg	
VHBLK01			1.0	108-88-3	Toluene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	591-78-6	2-Hexanone	10	U	U	10	10	ug/kg	
VHBLK01			1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	95-47-6	o-xylene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	100-42-5	Styrene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	75-25-2	Bromoform	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	5	ug/kg	
VHBLK01			1.0	E966796	Total Alkanes						ug/kg	
BC775	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	99	U	U	99	99	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	108-95-2	Phenol	76	J	J	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	78-59-1	Isophorone	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	780			250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	86-73-7	Fluorene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	490	U	U	490	490	ug/kg	0269-SED01-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC775	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	120-12-7	Anthracene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	86-74-8	Carbazole	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	129-00-0	Pyrene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	218-01-9	Chrysene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	58	J	J	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	490	U	U	490	490	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	250	U	U	250	250	ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J	J			ug/kg	0269-SED01-0-6
BC775	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED01-0-6
BC776	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	100	U	U	100	100	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	108-95-2	Phenol	61	J	J	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	78-59-1	Isophorone	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1100			250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	86-73-7	Fluorene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	120-12-7	Anthracene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	86-74-8	Carbazole	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	250	U	U	250	250	ug/kg	0269-SED01-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC776	Sediment	11/11/2015	1.0	129-00-0	Pyrene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	218-01-9	Chrysene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	490	U	U	490	490	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	250	U	U	250	250	ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J	J			ug/kg	0269-SED01-12-24
BC776	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED01-12-24
BC777	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	93	U	U	93	93	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	108-95-2	Phenol	62	J	J	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	78-59-1	Isophorone	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1200			240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	86-73-7	Fluorene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	120-12-7	Anthracene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	86-74-8	Carbazole	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	129-00-0	Pyrene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	218-01-9	Chrysene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	460	U	U	460	460	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	240	U	U	240	240	ug/kg	0269-SED01-6-12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC777	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	240	U	U	240	240	ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	100	J	J			ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2500	J	J			ug/kg	0269-SED01-6-12
BC777	Sediment	11/11/2015	1.0	E966796	Total Alkanes	99					ug/kg	0269-SED01-6-12
BC778	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	140	U	U	140	140	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	108-95-2	Phenol	93	J	J	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	78-59-1	Isophorone	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1700			350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	86-73-7	Fluorene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	120-12-7	Anthracene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	86-74-8	Carbazole	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	129-00-0	Pyrene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	218-01-9	Chrysene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	670	U	U	670	670	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	350	U	U	350	350	ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	3400	J	J			ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	190	J	J			ug/kg	0269-SED02-0-6
BC778	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED02-0-6
BC779	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	120	U	U	120	120	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	108-95-2	Phenol	100	J	J	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	600	U	U	600	600	ug/kg	0269-SED02-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC779	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	78-59-1	Isophorone	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1400			310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	86-73-7	Fluorene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	120-12-7	Anthracene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	86-74-8	Carbazole	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	129-00-0	Pyrene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	218-01-9	Chrysene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	600	U	U	600	600	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	310	U	U	310	310	ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	130	J	J			ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	3100	J	J			ug/kg	0269-SED02-12-24
BC779	Sediment	11/11/2015	1.0	E966796	Total Alkanes	430					ug/kg	0269-SED02-12-24
BC780	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	120	U	U	120	120	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	108-95-2	Phenol	84	J	J	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	78-59-1	Isophorone	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	320	U	U	320	320	ug/kg	0269-SED02-6-12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC780	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1200			320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	86-73-7	Fluorene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	120-12-7	Anthracene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	86-74-8	Carbazole	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	129-00-0	Pyrene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	218-01-9	Chrysene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	610	U	U	610	610	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	320	U	U	320	320	ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2900	J	J			ug/kg	0269-SED02-6-12
BC780	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED02-6-12
BC781	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	140	U	U	140	140	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	108-95-2	Phenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	78-59-1	Isophorone	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	360	U	U	360	360	ug/kg	0269-SED03-0-6

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC781	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	2300			360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	86-73-7	Fluorene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	120-12-7	Anthracene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	86-74-8	Carbazole	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	129-00-0	Pyrene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	218-01-9	Chrysene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	79	J	J	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	690	U	U	690	690	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	360	U	U	360	360	ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	200	J	J			ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	E966796	Total Alkanes	200					ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	1900	J	J			ug/kg	0269-SED03-0-6
BC781	Sediment	11/11/2015	1.0	unknown-01	unknown-01	160	J	J			ug/kg	0269-SED03-0-6
BC782	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	140	U	U	140	140	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	108-95-2	Phenol	90	J	J	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	78-59-1	Isophorone	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	2100			370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	370	U	U	370	370	ug/kg	0269-SED03-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC782	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	86-73-7	Fluorene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	120-12-7	Anthracene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	86-74-8	Carbazole	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	129-00-0	Pyrene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	218-01-9	Chrysene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	710	U	U	710	710	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	370	U	U	370	370	ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	230	J	J			ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J	J			ug/kg	0269-SED03-12-24
BC782	Sediment	11/11/2015	1.0	unknown-01	unknown-01	190	J	J			ug/kg	0269-SED03-12-24
BC783	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	140	U	U	140	140	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	108-95-2	Phenol	92	J	J	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	78-59-1	Isophorone	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1600			350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	86-73-7	Fluorene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	680	U	U	680	680	ug/kg	0269-SED03-6-12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC783	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	120-12-7	Anthracene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	86-74-8	Carbazole	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	129-00-0	Pyrene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	218-01-9	Chrysene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	680	U	U	680	680	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	350	U	U	350	350	ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	3200	J	J			ug/kg	0269-SED03-6-12
BC783	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED03-6-12
BC784	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	180	U	U	180	180	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	108-95-2	Phenol	130	J	J	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	900	U	UJ	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	78-59-1	Isophorone	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	2100			460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	86-73-7	Fluorene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	130	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	120-12-7	Anthracene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	86-74-8	Carbazole	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	400	J	J	460	460	ug/kg	0269-SED04-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC784	Sediment	11/11/2015	1.0	129-00-0	Pyrene	310	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	240	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	218-01-9	Chrysene	210	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	150	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	900	U	U	900	900	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	210	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	110	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	200	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	91	J	J	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	460	U	U	460	460	ug/kg	0269-SED04-0-6
BC784	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED04-0-6
BC785	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	100	U	U	100	100	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	108-95-2	Phenol	84	J	J	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	78-59-1	Isophorone	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1100			260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	86-73-7	Fluorene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	120-12-7	Anthracene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	86-74-8	Carbazole	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	129-00-0	Pyrene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	218-01-9	Chrysene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	510	U	U	510	510	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	260	U	U	260	260	ug/kg	0269-SED04-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC785	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	260	U	U	260	260	ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	unknown-01	unknown-01	150	J	J			ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	unknown-02	unknown-02	250	J	J			ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	1000268-74-7	Piperidine, 1-(5-trifluoromethyl-2	350	J	J			ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J	J			ug/kg	0269-SED04-12-24
BC785	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED04-12-24
BC786	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	110	U	U	110	110	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	108-95-2	Phenol	61	J	J	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	560	U	UJ	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	78-59-1	Isophorone	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	60	J	J	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1400			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	85	J	J	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	86-73-7	Fluorene	81	J	J	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	1100			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	120-12-7	Anthracene	550			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	86-74-8	Carbazole	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	2900			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	129-00-0	Pyrene	2100			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	1700			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	218-01-9	Chrysene	1300			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	59	J	J	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	560	U	U	560	560	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	1500			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	640			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	1200			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	620			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	220	J	J	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	530			290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	290	U	U	290	290	ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000612-94-2	Naphthalene, 2-phenyl-	220	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000111-02-4	2,6,10,14,18,22-Tetracosahexaene,	170	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000832-64-4	Phenanthrene, 4-methyl-	190	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000556-71-8	Cyclononasiloxane, octadecamethyl-	160	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000213-46-7	1,2:7,8-Dibenzophenanthrene	150	J	J			ug/kg	0269-SED04-6-12

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC786	Sediment	11/11/2015	1.0	unknown-01	unknown-01	160	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	unknown-02	unknown-02	130	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	001430-97-3	9H-Fluorene, 2-methyl-	130	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	128644-69-9	8-Dimethylaminonaphthalene-1-carbo	120	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	001689-64-1	9H-Fluoren-9-ol	110	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	003839-46-1	Phenol, 4-(2-phenylethenyl)-	110	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000243-17-4	11H-Benzo[b]fluorene	240	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000238-84-6	11H-Benzo[a]fluorene	220	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000832-69-9	Phenanthrene, 1-methyl-	300	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	001705-84-6	Triphenylene, 2-methyl-	170	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000191-26-4	Dibenzo[def,mno]chrysene	440	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	002381-21-7	Pyrene, 1-methyl-	150	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	002531-84-2	Phenanthrene, 2-methyl-	400	J	J			ug/kg	0269-SED04-6-12
BC786	Sediment	11/11/2015	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	630	J	J			ug/kg	0269-SED04-6-12
BC787	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	130	U	U	130	130	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	108-95-2	Phenol	65	J	J	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	630	U	UJ	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	78-59-1	Isophorone	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1400			320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	86-73-7	Fluorene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	95	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	120-12-7	Anthracene	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	86-74-8	Carbazole	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	340			320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	129-00-0	Pyrene	230	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	180	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	218-01-9	Chrysene	140	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	76	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	630	U	U	630	630	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	150	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	77	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	150	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	71	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	320	U	U	320	320	ug/kg	0269-SED05-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC787	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	65	J	J	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	320	U	U	320	320	ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	unknown-01	unknown-01	170	J	J			ug/kg	0269-SED05-0-6
BC787	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED05-0-6
BC788	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	97	U	U	97	97	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	108-95-2	Phenol	56	J	J	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	78-59-1	Isophorone	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1300			250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	86-73-7	Fluorene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	120-12-7	Anthracene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	86-74-8	Carbazole	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	129-00-0	Pyrene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	218-01-9	Chrysene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	480	U	U	480	480	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	250	U	U	250	250	ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J	J			ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	000506-52-5	1-Hexacosanol	110	J	J			ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	140	J	J			ug/kg	0269-SED05-12-24
BC788	Sediment	11/11/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED05-12-24
BC789	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	120	U	U	120	120	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	108-95-2	Phenol	85	J	J	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	300	U	U	300	300	ug/kg	0269-SED05-6-12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC789	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	570	U	UJ	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	78-59-1	Isophorone	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1600			300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	86-73-7	Fluorene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	120-12-7	Anthracene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	86-74-8	Carbazole	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	129-00-0	Pyrene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	218-01-9	Chrysene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	100	J	J	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	570	U	U	570	570	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	300	U	U	300	300	ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	000556-71-8	Cyclononasiloxane, octadecamethyl-	120	J	J			ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	000057-10-3	n-Hexadecanoic acid	190	J	J			ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	007683-64-9	Squalene	380	J	J			ug/kg	0269-SED05-6-12
BC789	Sediment	11/11/2015	1.0	E966796	Total Alkanes	130					ug/kg	0269-SED05-6-12
BC790	Sediment	11/12/2015	1.0	123-91-1	1,4-Dioxane	91	U	UJ	91	91	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	100-52-7	Benzaldehyde	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	108-95-2	Phenol	55	J	J	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	95-57-8	2-Chlorophenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	95-48-7	2-Methylphenol	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	450	U	UJ	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	98-86-2	Acetophenone	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	106-44-5	4-Methylphenol	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	67-72-1	Hexachloroethane	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	98-95-3	Nitrobenzene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	78-59-1	Isophorone	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	88-75-5	2-Nitrophenol	230	U	U	230	230	ug/kg	0269-SED06-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC790	Sediment	11/12/2015	1.0	105-67-9	2,4-Dimethylphenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	120-83-2	2,4-Dichlorophenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	91-20-3	Naphthalene	59	J	J	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	106-47-8	4-Chloroaniline	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	87-68-3	Hexachlorobutadiene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	105-60-2	Caprolactam	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	59-50-7	4-Chloro-3-methylphenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	91-57-6	2-Methylnaphthalene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	77-47-4	Hexachlorocyclopentadiene	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	88-06-2	2,4,6-Trichlorophenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	95-95-4	2,4,5-Trichlorophenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	92-52-4	1,1-Biphenyl	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	91-58-7	2-Chloronaphthalene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	88-74-4	2-Nitroaniline	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	131-11-3	Dimethylphthalate	410			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	606-20-2	2,6-Dinitrotoluene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	208-96-8	Acenaphthylene	84	J	J	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	99-09-2	3-Nitroaniline	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	83-32-9	Acenaphthene	55	J	J	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	51-28-5	2,4-Dinitrophenol	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	100-02-7	4-Nitrophenol	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	132-64-9	Dibenzofuran	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	121-14-2	2,4-Dinitrotoluene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	84-66-2	Diethylphthalate	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	86-73-7	Fluorene	80	J	J	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	100-01-6	4-Nitroaniline	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	86-30-6	N-Nitrosodiphenylamine	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	101-55-3	4-Bromophenyl-phenylether	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	118-74-1	Hexachlorobenzene	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	1912-24-9	Atrazine	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	87-86-5	Pentachlorophenol	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	85-01-8	Phenanthrene	690			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	120-12-7	Anthracene	490			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	86-74-8	Carbazole	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	84-74-2	Di-n-butylphthalate	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	206-44-0	Fluoranthene	2300			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	129-00-0	Pyrene	1600			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	85-68-7	Butylbenzylphthalate	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	91-94-1	3,3-Dichlorobenzidine	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	56-55-3	Benzo(a)anthracene	1300			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	218-01-9	Chrysene	1100			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	117-84-0	Di-n-octyl phthalate	450	U	U	450	450	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	205-99-2	Benzo(b)fluoranthene	1100			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	207-08-9	Benzo(k)fluoranthene	500			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	50-32-8	Benzo(a)pyrene	1000			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	500			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	180	J	J	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	191-24-2	Benzo(g,h,i)perylene	400			230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	230	U	U	230	230	ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000779-02-2	Anthracene, 9-methyl-	130	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000213-46-7	1,2:7,8-Dibenzophenanthrene	120	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000781-43-1	9,10-Dimethylanthracene	170	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000215-58-7	Benzo[b]triphenylene	150	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	007683-64-9	Squalene	160	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	E966796	Total Alkanes	93					ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	002531-84-2	Phenanthrene, 2-methyl-	250	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000191-26-4	Dibenzo[def,mno]chrysene	210	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	003353-12-6	Pyrene, 4-methyl-	100	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	unknown-01	unknown-01	110	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	033543-31-6	Fluoranthene, 2-methyl-	110	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	003351-28-8	Chrysene, 1-methyl-	130	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	460	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	000243-17-4	11H-Benzo[b]fluorene	180	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	052251-71-5	Anthracene, 2-ethyl-	110	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	001689-64-1	9H-Fluoren-9-ol	97	J	J			ug/kg	0269-SED06-0-6
BC790	Sediment	11/12/2015	1.0	035465-71-5	2-Phenylnaphthalene	220	J	J			ug/kg	0269-SED06-0-6
BC791	Sediment	11/12/2015	1.0	123-91-1	1,4-Dioxane	79	U	U	79	79	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	100-52-7	Benzaldehyde	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	108-95-2	Phenol	66	J	J	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	95-57-8	2-Chlorophenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	95-48-7	2-Methylphenol	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	390	U	UJ	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	98-86-2	Acetophenone	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	106-44-5	4-Methylphenol	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	200	U	U	200	200	ug/kg	0269-SED06-12-24

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC791	Sediment	11/12/2015	1.0	67-72-1	Hexachloroethane	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	98-95-3	Nitrobenzene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	78-59-1	Isophorone	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	88-75-5	2-Nitrophenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	105-67-9	2,4-Dimethylphenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	120-83-2	2,4-Dichlorophenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	91-20-3	Naphthalene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	106-47-8	4-Chloroaniline	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	87-68-3	Hexachlorobutadiene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	105-60-2	Caprolactam	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	59-50-7	4-Chloro-3-methylphenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	91-57-6	2-Methylnaphthalene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	77-47-4	Hexachlorocyclopentadiene	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	88-06-2	2,4,6-Trichlorophenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	95-95-4	2,4,5-Trichlorophenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	92-52-4	1,1-Biphenyl	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	91-58-7	2-Chloronaphthalene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	88-74-4	2-Nitroaniline	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	131-11-3	Dimethylphthalate	640			200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	606-20-2	2,6-Dinitrotoluene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	208-96-8	Acenaphthylene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	99-09-2	3-Nitroaniline	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	83-32-9	Acenaphthene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	51-28-5	2,4-Dinitrophenol	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	100-02-7	4-Nitrophenol	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	132-64-9	Dibenzofuran	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	121-14-2	2,4-Dinitrotoluene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	84-66-2	Diethylphthalate	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	86-73-7	Fluorene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	100-01-6	4-Nitroaniline	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	86-30-6	N-Nitrosodiphenylamine	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	101-55-3	4-Bromophenyl-phenylether	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	118-74-1	Hexachlorobenzene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	1912-24-9	Atrazine	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	87-86-5	Pentachlorophenol	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	85-01-8	Phenanthrene	57	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	120-12-7	Anthracene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	86-74-8	Carbazole	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	84-74-2	Di-n-butylphthalate	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	206-44-0	Fluoranthene	220			200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	129-00-0	Pyrene	160	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	85-68-7	Butylbenzylphthalate	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	91-94-1	3,3-Dichlorobenzidine	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	56-55-3	Benzo(a)anthracene	110	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	218-01-9	Chrysene	94	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	117-84-0	Di-n-octyl phthalate	390	U	U	390	390	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	205-99-2	Benzo(b)fluoranthene	100	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	207-08-9	Benzo(k)fluoranthene	42	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	50-32-8	Benzo(a)pyrene	94	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	47	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	191-24-2	Benzo(g,h,i)perylene	44	J	J	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	U	200	200	ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED06-12-24
BC791	Sediment	11/12/2015	1.0	unknown-01	unknown-01	84	J	J			ug/kg	0269-SED06-12-24
BC792	Sediment	11/12/2015	1.0	123-91-1	1,4-Dioxane	87	U	U	87	87	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	100-52-7	Benzaldehyde	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	108-95-2	Phenol	69	J	J	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	95-57-8	2-Chlorophenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	95-48-7	2-Methylphenol	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	430	U	UJ	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	98-86-2	Acetophenone	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	106-44-5	4-Methylphenol	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	67-72-1	Hexachloroethane	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	98-95-3	Nitrobenzene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	78-59-1	Isophorone	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	88-75-5	2-Nitrophenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	91-20-3	Naphthalene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	106-47-8	4-Chloroaniline	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	105-60-2	Caprolactam	430	U	U	430	430	ug/kg	0269-SED06-6-12

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC792	Sediment	11/12/2015	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	77-47-4	Hexachlorocyclopentadiene	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	88-74-4	2-Nitroaniline	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	131-11-3	Dimethylphthalate	790			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	208-96-8	Acenaphthylene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	99-09-2	3-Nitroaniline	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	83-32-9	Acenaphthene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	51-28-5	2,4-Dinitrophenol	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	100-02-7	4-Nitrophenol	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	132-64-9	Dibenzofuran	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	84-66-2	Diethylphthalate	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	86-73-7	Fluorene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	100-01-6	4-Nitroaniline	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	1912-24-9	Atrazine	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	87-86-5	Pentachlorophenol	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	85-01-8	Phenanthrene	350			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	120-12-7	Anthracene	150	J	J	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	86-74-8	Carbazole	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	206-44-0	Fluoranthene	760			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	129-00-0	Pyrene	540			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	91-94-1	3,3-Dichlorobenzidine	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	56-55-3	Benzo(a)anthracene	350			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	218-01-9	Chrysene	280			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	117-84-0	Di-n-octyl phthalate	430	U	U	430	430	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	205-99-2	Benzo(b)fluoranthene	310			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	207-08-9	Benzo(k)fluoranthene	130	J	J	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	50-32-8	Benzo(a)pyrene	280			220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	130	J	J	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	46	J	J	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	191-24-2	Benzo(g,h,i)perylene	130	J	J	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	220	ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	000613-12-7	Anthracene, 2-methyl-	100	J	J			ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	002531-84-2	Phenanthrene, 2-methyl-	130	J	J			ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	033543-31-6	Fluoranthene, 2-methyl-	86	J	J			ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J	J			ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	000243-17-4	11H-Benzo[b]fluorene	99	J	J			ug/kg	0269-SED06-6-12
BC792	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED06-6-12
BC793	Sediment	11/12/2015	1.0	123-91-1	1,4-Dioxane	110	U	U	110	110	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	100-52-7	Benzaldehyde	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	108-95-2	Phenol	59	J	J	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	95-57-8	2-Chlorophenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	95-48-7	2-Methylphenol	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	570	U	UJ	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	98-86-2	Acetophenone	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	106-44-5	4-Methylphenol	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	67-72-1	Hexachloroethane	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	98-95-3	Nitrobenzene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	78-59-1	Isophorone	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	88-75-5	2-Nitrophenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	105-67-9	2,4-Dimethylphenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	120-83-2	2,4-Dichlorophenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	91-20-3	Naphthalene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	106-47-8	4-Chloroaniline	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	87-68-3	Hexachlorobutadiene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	105-60-2	Caprolactam	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	59-50-7	4-Chloro-3-methylphenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	91-57-6	2-Methylnaphthalene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	77-47-4	Hexachlorocyclopentadiene	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	88-06-2	2,4,6-Trichlorophenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	95-95-4	2,4,5-Trichlorophenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	92-52-4	1,1-Biphenyl	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	91-58-7	2-Chloronaphthalene	290	U	U	290	290	ug/kg	0269-SED07-0-6

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC793	Sediment	11/12/2015	1.0	88-74-4	2-Nitroaniline	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	131-11-3	Dimethylphthalate	860			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	606-20-2	2,6-Dinitrotoluene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	208-96-8	Acenaphthylene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	99-09-2	3-Nitroaniline	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	83-32-9	Acenaphthene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	51-28-5	2,4-Dinitrophenol	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	100-02-7	4-Nitrophenol	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	132-64-9	Dibenzofuran	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	121-14-2	2,4-Dinitrotoluene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	84-66-2	Diethylphthalate	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	86-73-7	Fluorene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	100-01-6	4-Nitroaniline	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	86-30-6	N-Nitrosodiphenylamine	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	101-55-3	4-Bromophenyl-phenylether	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	118-74-1	Hexachlorobenzene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	1912-24-9	Atrazine	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	87-86-5	Pentachlorophenol	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	85-01-8	Phenanthrene	370			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	120-12-7	Anthracene	180	J	J	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	86-74-8	Carbazole	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	84-74-2	Di-n-butylphthalate	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	206-44-0	Fluoranthene	1100			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	129-00-0	Pyrene	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	85-68-7	Butylbenzylphthalate	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	91-94-1	3,3-Dichlorobenzidine	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	56-55-3	Benzo(a)anthracene	610			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	218-01-9	Chrysene	490			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	117-84-0	Di-n-octyl phthalate	570	U	U	570	570	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	205-99-2	Benzo(b)fluoranthene	580			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	207-08-9	Benzo(k)fluoranthene	230	J	J	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	50-32-8	Benzo(a)pyrene	480			290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	250	J	J	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	86	J	J	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	191-24-2	Benzo(g,h,i)perylene	200	J	J	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	290	U	U	290	290	ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	000832-69-9	Phenanthrene, 1-methyl-	130	J	J			ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	000613-12-7	Anthracene, 2-methyl-	140	J	J			ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	007683-64-9	Squalene	160	J	J			ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	200	J	J			ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	000238-84-6	11H-Benzo[a]fluorene	140	J	J			ug/kg	0269-SED07-0-6
BC793	Sediment	11/12/2015	1.0	E966796	Total Alkanes						ug/kg	0269-SED07-0-6
BC7H7	Sediment	11/11/2015	1.0	123-91-1	1,4-Dioxane	130	U	U	130	130	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	100-52-7	Benzaldehyde	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	108-95-2	Phenol	88	J	J	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	111-44-4	Bis(2-Chloroethyl)ether	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	95-57-8	2-Chlorophenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	95-48-7	2-Methylphenol	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	98-86-2	Acetophenone	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	106-44-5	4-Methylphenol	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	621-64-7	N-Nitroso-di-n-propylamine	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	67-72-1	Hexachloroethane	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	98-95-3	Nitrobenzene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	78-59-1	Isophorone	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	88-75-5	2-Nitrophenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	105-67-9	2,4-Dimethylphenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	111-91-1	Bis(2-Chloroethoxy)methane	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	120-83-2	2,4-Dichlorophenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	91-20-3	Naphthalene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	106-47-8	4-Chloroaniline	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	87-68-3	Hexachlorobutadiene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	105-60-2	Caprolactam	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	59-50-7	4-Chloro-3-methylphenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	91-57-6	2-Methylnaphthalene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	77-47-4	Hexachlorocyclopentadiene	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	88-06-2	2,4,6-Trichlorophenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	95-95-4	2,4,5-Trichlorophenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	92-52-4	1,1-Biphenyl	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	91-58-7	2-Chloronaphthalene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	88-74-4	2-Nitroaniline	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	131-11-3	Dimethylphthalate	1600			340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	606-20-2	2,6-Dinitrotoluene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	208-96-8	Acenaphthylene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	99-09-2	3-Nitroaniline	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	83-32-9	Acenaphthene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	51-28-5	2,4-Dinitrophenol	650	U	U	650	650	ug/kg	0269-SED22-0-6

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SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BC7H7	Sediment	11/11/2015	1.0	100-02-7	4-Nitrophenol	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	132-64-9	Dibenzofuran	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	121-14-2	2,4-Dinitrotoluene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	84-66-2	Diethylphthalate	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	86-73-7	Fluorene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	7005-72-3	4-Chlorophenyl-phenylether	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	100-01-6	4-Nitroaniline	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	534-52-1	4,6-Dinitro-2-methylphenol	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	86-30-6	N-Nitrosodiphenylamine	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	101-55-3	4-Bromophenyl-phenylether	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	118-74-1	Hexachlorobenzene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	1912-24-9	Atrazine	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	87-86-5	Pentachlorophenol	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	85-01-8	Phenanthrene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	120-12-7	Anthracene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	86-74-8	Carbazole	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	84-74-2	Di-n-butylphthalate	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	206-44-0	Fluoranthene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	129-00-0	Pyrene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	85-68-7	Butylbenzylphthalate	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	91-94-1	3,3-Dichlorobenzidine	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	56-55-3	Benzo(a)anthracene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	218-01-9	Chrysene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	117-84-0	Di-n-octyl phthalate	650	U	U	650	650	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	205-99-2	Benzo(b)fluoranthene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	207-08-9	Benzo(k)fluoranthene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	50-32-8	Benzo(a)pyrene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	53-70-3	Dibenzo(a,h)anthracene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	191-24-2	Benzo(g,h,i)perylene	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	340	U	U	340	340	ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	000149-57-5	Hexanoic acid, 2-ethyl-	150	J	J			ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	3000	J	J			ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	1000268-74-7	Piperidine, 1-(5-trifluoromethyl-2	790	J	J			ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	unknown-01	unknown-01	800	J	J			ug/kg	0269-SED22-0-6
BC7H7	Sediment	11/11/2015	1.0	E966796	Total Alkanes	150					ug/kg	0269-SED22-0-6
SBLK50			1.0	123-91-1	1,4-Dioxane	67	U	U	67	67	ug/kg	
SBLK50			1.0	100-52-7	Benzaldehyde	330	U	U	330	330	ug/kg	
SBLK50			1.0	108-95-2	Phenol	330	U	U	330	330	ug/kg	
SBLK50			1.0	111-44-4	Bis(2-Chloroethyl)ether	330	U	U	330	330	ug/kg	
SBLK50			1.0	95-57-8	2-Chlorophenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	95-48-7	2-Methylphenol	330	U	U	330	330	ug/kg	
SBLK50			1.0	108-60-1	2,2-oxybis(1-Chloropropane)	330	U	U	330	330	ug/kg	
SBLK50			1.0	98-86-2	Acetophenone	330	U	U	330	330	ug/kg	
SBLK50			1.0	106-44-5	4-Methylphenol	330	U	U	330	330	ug/kg	
SBLK50			1.0	621-64-7	N-Nitroso-di-n-propylamine	170	U	U	170	170	ug/kg	
SBLK50			1.0	67-72-1	Hexachloroethane	170	U	U	170	170	ug/kg	
SBLK50			1.0	98-95-3	Nitrobenzene	170	U	U	170	170	ug/kg	
SBLK50			1.0	78-59-1	Isophorone	170	U	U	170	170	ug/kg	
SBLK50			1.0	88-75-5	2-Nitrophenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	105-67-9	2,4-Dimethylphenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	111-91-1	Bis(2-Chloroethoxy)methane	170	U	U	170	170	ug/kg	
SBLK50			1.0	120-83-2	2,4-Dichlorophenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	91-20-3	Naphthalene	170	U	U	170	170	ug/kg	
SBLK50			1.0	106-47-8	4-Chloroaniline	330	U	U	330	330	ug/kg	
SBLK50			1.0	87-68-3	Hexachlorobutadiene	170	U	U	170	170	ug/kg	
SBLK50			1.0	105-60-2	Caprolactam	330	U	U	330	330	ug/kg	
SBLK50			1.0	59-50-7	4-Chloro-3-methylphenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	91-57-6	2-Methylnaphthalene	170	U	U	170	170	ug/kg	
SBLK50			1.0	77-47-4	Hexachlorocyclopentadiene	330	U	U	330	330	ug/kg	
SBLK50			1.0	88-06-2	2,4,6-Trichlorophenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	95-95-4	2,4,5-Trichlorophenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	92-52-4	1,1-Biphenyl	170	U	U	170	170	ug/kg	
SBLK50			1.0	91-58-7	2-Chloronaphthalene	170	U	U	170	170	ug/kg	
SBLK50			1.0	88-74-4	2-Nitroaniline	170	U	U	170	170	ug/kg	
SBLK50			1.0	131-11-3	Dimethylphthalate	170	U	U	170	170	ug/kg	
SBLK50			1.0	606-20-2	2,6-Dinitrotoluene	170	U	U	170	170	ug/kg	
SBLK50			1.0	208-96-8	Acenaphthylene	170	U	U	170	170	ug/kg	
SBLK50			1.0	99-09-2	3-Nitroaniline	330	U	U	330	330	ug/kg	
SBLK50			1.0	83-32-9	Acenaphthene	170	U	U	170	170	ug/kg	
SBLK50			1.0	51-28-5	2,4-Dinitrophenol	330	U	U	330	330	ug/kg	
SBLK50			1.0	100-02-7	4-Nitrophenol	330	U	U	330	330	ug/kg	
SBLK50			1.0	132-64-9	Dibenzofuran	170	U	U	170	170	ug/kg	
SBLK50			1.0	121-14-2	2,4-Dinitrotoluene	170	U	U	170	170	ug/kg	
SBLK50			1.0	84-66-2	Diethylphthalate	170	U	U	170	170	ug/kg	
SBLK50			1.0	86-73-7	Fluorene	170	U	U	170	170	ug/kg	
SBLK50			1.0	7005-72-3	4-Chlorophenyl-phenylether	170	U	U	170	170	ug/kg	
SBLK50			1.0	100-01-6	4-Nitroaniline	330	U	U	330	330	ug/kg	
SBLK50			1.0	534-52-1	4,6-Dinitro-2-methylphenol	330	U	U	330	330	ug/kg	

Note: This printed Excel file is excerpted from the original data spreadsheet (45717_BC775_S3VEM.xls).

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	QUANTITATION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK50			1.0	86-30-6	N-Nitrosodiphenylamine	170	U	U	170	170	ug/kg	
SBLK50			1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	U	170	170	ug/kg	
SBLK50			1.0	101-55-3	4-Bromophenyl-phenylether	170	U	U	170	170	ug/kg	
SBLK50			1.0	118-74-1	Hexachlorobenzene	170	U	U	170	170	ug/kg	
SBLK50			1.0	1912-24-9	Atrazine	330	U	U	330	330	ug/kg	
SBLK50			1.0	87-86-5	Pentachlorophenol	330	U	U	330	330	ug/kg	
SBLK50			1.0	85-01-8	Phenanthrene	170	U	U	170	170	ug/kg	
SBLK50			1.0	120-12-7	Anthracene	170	U	U	170	170	ug/kg	
SBLK50			1.0	86-74-8	Carbazole	330	U	U	330	330	ug/kg	
SBLK50			1.0	84-74-2	Di-n-butylphthalate	170	U	U	170	170	ug/kg	
SBLK50			1.0	206-44-0	Fluoranthene	170	U	U	170	170	ug/kg	
SBLK50			1.0	129-00-0	Pyrene	170	U	U	170	170	ug/kg	
SBLK50			1.0	85-68-7	Butylbenzylphthalate	170	U	U	170	170	ug/kg	
SBLK50			1.0	91-94-1	3,3-Dichlorobenzidine	330	U	U	330	330	ug/kg	
SBLK50			1.0	56-55-3	Benzo(a)anthracene	170	U	U	170	170	ug/kg	
SBLK50			1.0	218-01-9	Chrysene	170	U	U	170	170	ug/kg	
SBLK50			1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	U	U	170	170	ug/kg	
SBLK50			1.0	117-84-0	Di-n-octyl phthalate	330	U	U	330	330	ug/kg	
SBLK50			1.0	205-99-2	Benzo(b)fluoranthene	170	U	U	170	170	ug/kg	
SBLK50			1.0	207-08-9	Benzo(k)fluoranthene	170	U	U	170	170	ug/kg	
SBLK50			1.0	50-32-8	Benzo(a)pyrene	170	U	U	170	170	ug/kg	
SBLK50			1.0	193-39-5	Indeno(1,2,3-cd)pyrene	170	U	U	170	170	ug/kg	
SBLK50			1.0	53-70-3	Dibenzo(a,h)anthracene	170	U	U	170	170	ug/kg	
SBLK50			1.0	191-24-2	Benzo(g,h,i)perylene	170	U	U	170	170	ug/kg	
SBLK50			1.0	58-90-2	2,3,4,6-Tetrachlorophenol	170	U	U	170	170	ug/kg	
SBLK50			1.0	000994-05-8	Butane, 2-methoxy-2-methyl-	410	J	J			ug/kg	
SBLK50			1.0	E966796	Total Alkanes						ug/kg	

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