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**SITE CHARACTERIZATION  
REPORT, Rev. 1**

**Johns Manville - Riverside Parcels  
Vienna, Wood County, West Virginia  
VRP Site Number 11966**

Project Number 04-13-0402

Prepared on behalf of:

**Structures Resources, Inc.  
5187 US Route 60, Suite 13  
Huntington, WV 25705**

**And**

**City of Vienna  
609 29<sup>th</sup> Street  
Vienna, WV 26105**

Prepared by:



**TRIAD ENGINEERING, INC.**

10541 Teays Valley Road  
Scott Depot, West Virginia 25560

March 19, 2014

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March 19, 2014

Mayor Randy Rapp  
City of Vienna  
609 29<sup>th</sup> Street  
Vienna, WV 26105

**Subject: Johns Manville - Riverside Parcels**  
Site Characterization Report  
WVDEP VRP Site #11966  
Vienna, Wood County, West Virginia  
Triad Project No. 04-13-0402

Dear Mayor Rapp:

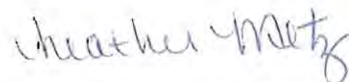
Please find the enclosed **Site Characterization Report (SCR), Rev. 1** for the Former Johns Manville-Riverside Parcels Site, which is located in Vienna, Wood County, West Virginia. This **SCR** has been prepared to comply with the requirements and guidelines of the *Voluntary Remediation and Redevelopment Act (VRRRA)*; West Virginia Code of State Rules (CSR) 60-03.

If you have any questions or need additional information, please feel free to contact us.

Sincerely,  
Triad Engineering, Inc.



Matthew C. Wright, LRS  
Project Geologist



Heather A. Metz, LRS  
Environmental Services Manager

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## EXECUTIVE SUMMARY

The Site is located on 1<sup>st</sup> Avenue in Vienna, Wood County, West Virginia. The Site encompasses approximately 15.5 acres and is located along the eastern bank of the Ohio River. The Site is primarily grass and asphalt covered and slopes toward the river. An oil well and an associated aboveground storage tank (AST), an antenna and an abandoned power-line tower are located on the property. A former closed water overflow system is located at the southeast corner of the Site. Railroad tracks extend along the eastern boundary of the Site. An asphalt paved parking area is centrally located on the Site with access from 1<sup>st</sup> Avenue. The area north of the parking lot has been reported to have historically been used to bury waste materials. The wooded area along the northernmost property boundary has historically been used to dump unused off-spec glass beads and miscellaneous debris.

Historically, the property has been associated with production of glass products. Throughout the developed history of the Riverside Parcels, the parcels were used in support of manufacturing facilities which were located east of 1<sup>st</sup> Avenue. A 2006 Phase I ESA, prepared by Burgess & Niple, Inc. indicated that glass manufacturing related items had been buried in a company landfill on the Riverside Parcels. This landfill was reported to be located beneath a portion of the parking lot and the field north of the parking lot.

Based upon logs of environmental borings, it appears that the majority of the property is underlain by fill material consisting of clay and sandy clay with layers of fiberglass, glass and brick. The fill material ranges from approximately four to 16 feet thick. Native soil was present in the southwestern quarter of the Site and predominantly consists of clay and sandy clay. The maximum explored depth during this investigation was approximately 20 feet below ground surface (bgs).

During the course of the investigation, Triad Engineering, Inc. (Triad) sampled surface and subsurface soils and groundwater. Samples from each of these media were analyzed for volatile organic compounds (VOC), polynuclear aromatic hydrocarbons (PAH) and RCRA 8 metals.

Laboratory analytical results indicate that no detected VOC concentrations exceeded

residential or industrial de minimis levels in surface soils; however, methylene chloride was detected at a concentration exceeding the migration to groundwater level at one sample location. Benzo(a)anthracene was detected at concentrations exceeding the residential de minimis and migration to groundwater values in soil collected from five surface soil sample locations. Benzo(a)pyrene was detected at concentrations exceeding the residential de minimis and migration to groundwater values in soil collected from 18 surface soil sample locations. Benzo(b)fluoranthene was detected at concentrations exceeding the residential de minimis values in soil collected from eight sample locations. Dibenz(a,h)anthracene was detected at a concentration exceeding the residential de minimis value in soil collected from ten surface soil sample locations. Indeno(1,2,3-cd)pyrene was detected at a concentration exceeding the residential de minimis value in soil collected from two surface soil sample locations. Naphthalene was detected at a concentration exceeding the migration to groundwater value in surface soil from four sample locations. Arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater value in surface soil collected from each sample location. Additionally, arsenic was detected at concentrations exceeding the industrial de minimis in surface soil samples collected from five locations. Selenium was detected at a concentration exceeding the residential de minimis value in surface soil collected from one sample location.

Laboratory analytical results indicate that no detected VOC concentrations in subsurface soil exceeded residential or industrial de minimis levels. Methylene chloride was detected at a concentration exceeding the migration to groundwater value in soil collected from one sample location and 1,2-Dichloroethene was detected at concentrations exceeding the migration to groundwater value in soil collected from two sample locations. No other analyte exceeded the migration to groundwater values in subsurface soil samples. However, the reporting limit exceeded the migration to groundwater value for 11 VOC analytes. Benzo(a)pyrene was detected at concentrations exceeding the residential de minimis values in soil collected from three subsurface soil sample locations. Naphthalene was detected at a concentration exceeding the migration to groundwater value in subsurface soil collected from two sample locations. No additional detected PAH concentrations exceeded residential, industrial or migration to groundwater de minimis levels in subsurface soil. However, the reporting limit exceeded the migration to groundwater value for naphthalene for one subsurface soil sample. Arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater values in subsurface soil collected from

each sample location. Arsenic was also detected at a concentration exceeding the industrial de minimis value in subsurface soil collected from one sample location. Selenium was detected at a concentration exceeding the migration to groundwater value in subsurface soil collected from one sample location. No additional detected RCRA 8 metal concentrations exceeded residential, industrial or migration to groundwater de minimis levels in subsurface soil.

Laboratory analytical results indicate that no detected VOC or PAH concentrations exceeded groundwater de minimis levels. Arsenic was detected at a concentration exceeding the groundwater de minimis value at one sample location.

## 1.0 INTRODUCTION

Triad Engineering, Inc. (Triad) has prepared this **Site Characterization Report (SCR)** on behalf of Structures Resources, Inc. and the City of Vienna to perform site characterization of the Johns Manville - Riverside Parcels (the "Site"). This report was prepared as per the requirements and guidelines of the *Voluntary Remediation and Redevelopment Act (VRRRA)*; West Virginia Code of State Rules (CSR) 60-03. The West Virginia Department of Environmental Protection (WVDEP), Division of Land Restoration, Office of Environmental Remediation (OER) accepted the Site into the VRRRA program on November 4, 2011, and issued site identification number 11966.

The selection of sample locations, analyses, and media were performed per the Sampling and Analysis Plan (SAP) and based on the results of previous investigations, historic conditions, current and future land-use, historic contaminants of potential concern (COPC), and identification of potential contaminant exposure pathways that could be associated with human health or ecological risk. The SAP was verbally approved by WVDEP Project Manager, David Hight; however, written approval could not be given because the work was not being completed on behalf of Structures Resources, Inc.

## 2.0 SITE DESCRIPTION AND HISTORY

### 2.1 Site Description and Location

The Site is located west of 1<sup>st</sup> Avenue, between 28<sup>th</sup> Street and 32<sup>nd</sup> Street, in Vienna, Wood County, West Virginia. The Site includes parcels 29, 30, 31, 32 and 33 identified on Parkersburg District 4, Tax Map 145. The location of the Site is depicted on the attached **Figure 1, Site Location Map** on the *Parkesburg, W.Va.* United States Geological Survey (USGS) 7.5 minute topographic quadrangle map.

The Site encompasses approximately 15.5 acres and is located along the eastern bank of the Ohio River. The Site is primarily grass and asphalt covered and slopes toward the river. An oil well, operated by Dils Oil and Gas, is located approximately 350 feet north of the southernmost property boundary and approximately 80 feet east of the river. An aboveground storage tank (AST) associated with the oil well is centrally located along the southernmost property boundary. This AST is surrounded by an earthen secondary containment berm. An antenna is located between the oil well and the AST. A former

closed water overflow system is located at the southeast corner of the property. This unit consisted of two AST, a lined aboveground basin and a pump house. Waste water was recycled within the unit and reused as process water for production. Railroad tracks extend along the eastern boundary of the Site. An asphalt paved parking area is centrally located on the Site with access from 1<sup>st</sup> Avenue. An abandoned powerline transmission tower is located adjacent to the northeast corner of the parking area. The area north of the parking lot has been reported to have historically been used to bury waste materials. The wooded area along the northernmost property boundary has historically been used to dump unused off-spec glass beads and miscellaneous debris. A surface water drainage ditch extends along the northernmost property boundary. The Site boundary and features can be seen on **Figure 2, Aerial Photograph.**

## **2.2 Regional Physiography**

The Site is located within the Appalachian Plateau physiographic province, which is characterized by relatively flat sedimentary formations of the Permian and Pennsylvanian ages. Based on the U.S. Department of Agriculture, Soil Conservation Service (SCS), the Site is listed primarily as Made land, consisting of fill material with no true soil definition. Huntington fine sandy loam and Melvin silt loam soils are present along the northern property boundary. The soils of the site are immediately underlain by Quaternary Alluvium.

The Site lies along the bank of the Ohio River at an elevation of approximately 600 feet above mean sea level (msl). The local topographic vertical relief is approximately 200 feet.

## **2.3 Site History**

Historically, the property has been associated with production of glass products. Throughout the developed history of the Riverside Parcels, the parcels were used in support of manufacturing facilities which were located east of 1<sup>st</sup> Avenue. In 1908, the Meyercord-Carter Co. began production of "vitrolite" glass at the manufacturing facility. It became a Johns Manville plant in 1952. Johns Manville primarily used the facility to manufacture building insulation. A 2006 Phase I Environmental Site Assessment (ESA), prepared by Burgess & Niple, Inc. indicated that glass manufacturing related items had been buried in a company landfill on the Riverside Parcels. This landfill was reported to be located in the field north of the parking area.

## **2.4 Surrounding Land Uses**

The Site is located in an area of mixed residential, commercial and industrial land uses. The surrounding land uses are shown on the attached **Figure 2, Aerial Photograph**. The immediately adjoining and adjacent land-uses are as follows:

**North** – The Site is bound to the immediate north by Jimmy Harper Construction, Inc.

**South** – The Site is bound to the immediate south by residential structures and a golf course.

**East** – The Site is bound to the immediate east by 1<sup>st</sup> Avenue. Further east is the former manufacturing area of the Johns Manville facility.

**West** – The Site is bound to the immediate west by the Ohio River.

## **2.5 Previous Site Investigations**

In March 2006, a Phase I ESA was prepared for the Johns Manville facility by Burgess & Niple, Inc. The assessment was limited to a site visit and historical document review. No environmental samples were collected.

## **2.6 Conceptual Site Model**

A conceptual site model was developed to evaluate COPC and how they might affect human receptors in the vicinity of the Site. This is shown on **Figure 3, Conceptual Site Model**.

### **2.6.1 Contaminants of Potential Concern**

COPC at the Site include VOC, PAH, and RCRA 8 Metals.

### **2.6.2 Sources**

The potential source for VOC and PAH contamination is from the equipment used for production, storage, and distribution of crude oil related liquids. Additionally, lubricating oils from process machinery may have been dumped into the burial area. The potential source for metals contamination is waste and unused glass stock materials and associated building materials.

### **2.6.3 Migration Pathways**

Potential migration pathways include absorption and ingestion.

#### **2.6.4 Receptors**

Potential human health exposures could include children accessing the proposed athletic fields, on-site workers, construction workers (including underground utility workers), visitors and trespassers.

Groundwater in the area is not used as a source for domestic supply, limiting the potential of ingestion and dermal contact.

Potential ecological receptors include the Ohio River and the wildlife that inhabit the Ohio River.

### **3.0 ASSESSMENT METHODOLOGY**

In September 2013, a Sampling and Analysis Plan (SAP) was submitted to the WVDEP for site characterization activities to be performed at the Site. David Hight, the WVDEP project manager, requested VOC be added to the analytical parameters, and additional soil and groundwater sampling locations. Following the presentation of the analytical results from the November 2013 sampling event, the Vienna City Council elected to collect additional soil samples from the southern half of the Site. Sampling procedures, laboratory analysis, decontamination and investigation derived waste (IDW) management were performed in accordance with the SAP.

#### **3.1 Sample Locations and Rationale**

Investigations at the Site included sampling surface soil, subsurface soil, and groundwater. Sampling locations were selected to provide a comprehensive screening of areas most likely to have been impacted by former Site activities. Sampling locations included the following:

- Surface and subsurface soil samples were collected in the area of the suspected landfill area utilizing an evenly spaced grid.
- Surface and subsurface soil samples were collected along the length of the wooded dumping area.
- Surface and subsurface soil samples were collected adjacent to the oil production and storage areas.
- Surface and subsurface soil samples were collected within the former parking areas.

- Surface and subsurface soil samples were collected adjacent to the Closed Water Overflow Unit.
- Surface soil samples were collected near the southwestern corner of the property as background samples for arsenic.
- Groundwater samples were collected from temporary monitoring wells installed down-gradient of the oil production and storage areas; the landfill; and dumping area.

Sampling locations are depicted on **Figure 4, Sample Location Map**.

### **3.2 Surface Soil Sampling**

Triad collected 32 surface soil samples (SS-1 through SS-22 and BG-1 through BG-10) using direct-push technology (DPT). Additionally, three field duplicate samples (SS-1FD, SS-17FD and BG-1FD) were collected. Surface soil samples SS-1 through SS-22 and associated field duplicate samples were analyzed for VOC by USEPA Method 8260B, PAH by USEPA Method 8270M, and RCRA 8 Metals by USEPA Method 6020A/7471. Background samples BG-1 through BG-10 and an associated field duplicate sample were analyzed for arsenic by USEPA Method 6020A.

### **3.3 Subsurface Soil Sampling**

Triad collected 21 subsurface soil samples (SB-1 through SB-11 and SB-13 through SB-22) using DPT. Additionally, two field duplicate sample (SB-1FD and SB-17FD) were collected. One sample (SB-12) proposed in the SAP was eliminated due to refusal on concrete. Subsurface samples were analyzed for VOC by USEPA Method 8260B, PAH by USEPA Method 8270M, and RCRA 8 Metals by USEPA Method 6020A/7471.

### **3.4 Groundwater Sampling**

Triad installed four temporary groundwater monitoring wells. The temporary monitoring wells were constructed of one-inch PVC slotted well screen and casing. A sand-pack and bentonite seal were installed around the well pipe; however, no permanent well cover was installed. The monitoring wells were developed using surge and purge development techniques. Groundwater samples were collected from each monitoring well using hand bailing sampling techniques. In addition, one field duplicate was collected. Groundwater



samples were analyzed for VOC by USEPA Method 8260B, PAH by USEPA Method 8270 SIM, and RCRA 8 Metals by USEPA Method 6020A/7471.

### **3.5 Sample Management, Chain of Custody & Transportation**

Each sample container was labeled immediately following sample collection, wrapped in bubble wrap, sealed in a zip-lock® storage bag and placed in an iced sample cooler until they were packed for shipment to the laboratory. Each sample was recorded on a Chain of Custody Record documenting the date, time, sample identification, matrix, preservative and required analysis.

Samples were packed in sample coolers in a manner to maintain a temperature below 4 degrees Celsius and to prevent breakage during shipping. A custody seal was placed on each cooler and samples were delivered by courier to ALS Environmental, Inc. in South Charleston, West Virginia.

## **4.0 FINDINGS**

### **4.1 Subsurface Conditions**

Subsurface conditions described below are based on data collected during this investigation. Logs of borings advanced during these investigations are included in **Appendix 1, Boring Logs**.

#### **4.1.1 Soils**

Based upon logs of environmental borings, it appears that the majority of the property is underlain by fill material consisting of clay and sandy clay with layers of fiberglass, glass and brick. The fill material ranges from approximately four to 16 feet thick. Native soil was present in the southwestern quarter of the Site and predominantly consists of clay and sandy clay. The maximum explored depth during this investigation was approximately 20 feet below ground surface (bgs).

#### **4.1.2 Geology**

Weathered sandstone and shale was encountered at depths ranging from 13 to 19 feet bgs during our investigation. Bedrock underlying the Site consists of Pennsylvanian Age rock of the Dunkard Series. In general, the Dunkard Series is

comprised mainly of cyclic beds of sandstone, siltstone, red to grey shale, and coal.

#### **4.1.3 Groundwater**

During our investigation, groundwater was measured at depths ranging from approximately 10 to 14 feet bgs. Groundwater flow appears to be to the west and northwest toward the Ohio River. Monitoring well gauging data is summarized in **Table 1, *Monitoring Well Gauging (11/21/2013)***. Groundwater flow is illustrated in **Figure 5, *Potentiometric Surface Map***.

## **4.2 Contaminant Concentration and Distribution**

To evaluate the concentration and distribution of COPC in surface soil, subsurface soil, and groundwater, laboratory analytical data were compared to current WV Voluntary Remediation Program (VRP) de minimis values for residential soil, industrial soil, migration to groundwater and groundwater (Table 60-3B.) Laboratory analytical reports are included in **Appendix 2, *Laboratory Reports***.

### **4.2.1 Surface Soil**

Laboratory analytical results indicate that no detected VOC concentrations exceeded residential or industrial de minimis levels. Methylene chloride was detected at concentrations exceeding the migration to groundwater values in soil collected from one sample location (SS-22). No other analyte exceeded the migration to groundwater values in surface soil samples. However, the reporting limit exceeded the migration to groundwater value for 11 VOC analytes.

Laboratory analytical results indicate that Benzo(a)anthracene was detected at concentrations exceeding the residential de minimis and migration to groundwater values in soil collected from five sample locations (SS-3, SS-10, SS-12, SS-14 and SS-15). Benzo(a)pyrene was detected at concentrations exceeding the residential de minimis values in soil collected from 17 sample locations (SS-1, SS-1FD, SS-2, SS-3, SS-4, SS-6, SS-9, SS-10, SS-12, SS-13, SS-14, SS-15, SS-16, SS-17, SS-20, SS-21 and SS-22). Benzo(b)fluoranthene was detected at concentrations exceeding the residential de minimis values in soil collected from eight sample locations (SS-2, SS-3, SS-4, SS-6, SS-10, SS-12, SS-14 and SS-15). Dibenzo(a,h)anthracene was

detected at concentrations exceeding the residential de minimis value in soil collected from 10 sample locations (SS-1FD, SS-2, SS-3, SS-4, SS-6, SS-10, SS-12, SS-14, SS-15, SS-17 and SS-17FD). Indeno(1,2,3-cd)pyrene was detected at concentrations exceeding the residential de minimis value in soil collected from two sample locations (SS-3 and SS-12). Naphthalene was detected at a concentration exceeding the migration to groundwater value in soil collected from four sample locations (SS-2, SS-10, SS-14 and SS-15). No additional detected PAH concentrations exceeded residential, industrial or migration to groundwater de minimis levels. However, the reporting limit exceeded the migration to groundwater value for naphthalene for six samples.

Laboratory analytical results indicate that arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater value in soil collected from each sample location. Arsenic was also detected at a concentration exceeding the industrial de minimis value in soil collected from four sample locations (SS-10, SS-13, SS-17, SS-17FD and SS-22). Selenium was detected at a concentration exceeding the migration to groundwater value in soil collected from one sample location (SS-17). No additional detected RCRA 8 metal concentrations exceeded residential, industrial or migration to groundwater de minimis levels.

Surface soil analytical results are summarized in **Table 2, VOC Concentrations in Surface Soil; Table 3, PAH Concentrations in Surface Soil; and Table 4, RCRA 8 Metals concentrations in Surface Soil**. Surface soil analytical results exceeding residential de minimis levels are illustrated on **Figure 6, Contaminant Distribution Map**.

#### **4.2.2 Subsurface Soil**

Laboratory analytical results indicate that no detected VOC concentrations exceeded residential or industrial de minimis levels. Methylene chloride was detected at a concentration exceeding the migration to groundwater value in soil collected from one sample location (SB-18) and 1,2-Dichloroethene was detected at concentrations exceeding the migration to groundwater value in soil collected from one sample location (SB-17 and SB-17FD). No other analyte exceeded the migration to

groundwater values in subsurface soil samples. However, the reporting limit exceeded the migration to groundwater value for 11 VOC analytes.

Laboratory analytical results indicate that benzo(a)pyrene was detected at concentrations exceeding the residential de minimis values in soil collected from three sample locations (SB-3, SB-16, and SB-22). Naphthalene was detected at a concentration exceeding the migration to groundwater value in soil collected from two sample locations (SB-3 and SB-22). No additional detected PAH concentrations exceeded residential, industrial or migration to groundwater de minimis levels. However, the reporting limit exceeded the migration to groundwater value for naphthalene for one sample.

Laboratory analytical results indicate that arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater values in soil collected from each sample location. Arsenic was also detected at a concentration exceeding the industrial de minimis value in soil collected from one sample location (SS-22). Selenium was detected at a concentration exceeding the migration to groundwater value in soil collected from one sample location (SS-22). No additional detected RCRA 8 metal concentrations exceeded residential, industrial or migration to groundwater de minimis levels.

Subsurface soil analytical results are summarized in **Table 5, VOC Concentrations in Subsurface Soil; Table 6, PAH concentrations in Subsurface Soil** and **Table 7, RCRA 8 Metal Concentrations in Subsurface Soil**. Subsurface soil analytical results exceeding residential de minimis levels are illustrated on **Figure 6, Contaminant Distribution Map**.

#### **4.2.3 Groundwater**

Laboratory analytical results indicate that no detected VOC or PAH concentrations exceeded groundwater de minimis levels. However, the reporting limit exceeded the groundwater de minimis value for three VOC analytes and one PAH analyte. Laboratory analytical results indicate that arsenic was detected at a concentration exceeding the groundwater de minimis value at one sample location (TMW-3). No additional detected RCRA 8 metal concentrations exceeded the groundwater de

de minimis value. However, the reporting limit exceeded the groundwater de minimis value for one analyte.

Groundwater analytical results are summarized in **Table 8, VOC Concentrations in Groundwater**; **Table 9, PAH concentrations in Groundwater** and **Table 10, RCRA 8 Metals Concentrations in Groundwater**. Groundwater analytical results exceeding de minimis levels are illustrated on **Figure 6, Contaminant Distribution Map**.

#### **4.2.4 Background Sampling**

Laboratory analytical results indicate that arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater value in soil collected from each sample location. This data will be used by the risk assessor during the preparation of the Human Health and Ecological Risk Assessment.

Background analytical results are summarized in **Table 11, Arsenic Background Concentrations in Surface Soil**.

## **5.0 CONCLUSIONS AND RECOMMENDATIONS**

Historically, the Riverside Parcels have been used in support of glass products manufacturing facilities which were located east of 1<sup>st</sup> Avenue. A 2006 Phase I ESA indicated that glass manufacturing related items had been buried in a company landfill on the Riverside Parcels. This landfill was reported to be located beneath a portion of the parking lot and the field north of the parking lot. During our investigation, fill material consisting of clay and sandy clay with layers of fiberglass, glass and brick were identified in borings advanced throughout the majority of the Site. The fill material ranges from approximately four to 16 feet thick. Native soil at the Site predominantly consists of clay and sandy clay and was encountered primarily at the southwest quarter of the property. The maximum explored depth during this investigation was approximately 20 feet bgs.

During the course of the investigation, Triad advanced 22 soil borings and installed four temporary monitoring wells and collected surface and subsurface soils and groundwater samples for laboratory analysis. Samples from each of these media were analyzed for

VOC, PAH and RCRA 8 metals. Additionally, 10 surface soil samples were analyzed as background samples for arsenic.

Laboratory analytical results indicate that no detected VOC concentrations exceeded residential or industrial de minimis levels in surface soils; however, methylene chloride was detected at a concentration exceeding the migration to groundwater level at one sample location. Benzo(a)anthracene was detected at concentrations exceeding the residential de minimis and migration to groundwater values in soil collected from five surface soil sample locations. Benzo(a)pyrene was detected at concentrations exceeding the residential de minimis and migration to groundwater values in soil collected from 17 surface soil sample locations. Benzo(b)fluoranthene was detected at concentrations exceeding the residential de minimis values in soil collected from eight sample locations. Dibenzo(a,h)anthracene was detected at a concentration exceeding the residential de minimis value in soil collected from ten surface soil sample locations. Indeno(1,2,3-cd)pyrene was detected at a concentration exceeding the residential de minimis value in soil collected from two surface soil sample locations. Naphthalene was detected at a concentration exceeding the migration to groundwater value in surface soil from four sample locations. Arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater value in surface soil collected from each sample location. Additionally, arsenic was detected at concentrations exceeding the industrial de minimis in surface soil samples collected from four sample locations. Selenium was detected at a concentration exceeding the residential de minimis value in surface soil collected from one sample location.

Laboratory analytical results indicate that no detected VOC concentrations in subsurface soil exceeded residential or industrial de minimis levels. Methylene chloride was detected at a concentration exceeding the migration to groundwater value in soil collected from one sample location and 1,2-Dichloroethene was detected at concentrations exceeding the migration to groundwater value in soil collected from two sample locations. No other analyte exceeded the migration to groundwater values in subsurface soil samples. However, the reporting limit exceeded the migration to groundwater value for 11 VOC analytes. Benzo(a)pyrene was detected at concentrations exceeding the residential de minimis values in soil collected from three subsurface soil sample locations. Naphthalene was detected at a concentration exceeding the migration to groundwater value in subsurface soil collected from two sample locations. No additional detected PAH concentrations exceeded

residential, industrial or migration to groundwater de minimis levels in subsurface soil. However, the reporting limit exceeded the migration to groundwater value for naphthalene for one subsurface soil sample.

Arsenic was detected at a concentration exceeding the residential de minimis and migration to groundwater values in subsurface soil collected from each sample location. Arsenic was also detected at a concentration exceeding the industrial de minimis value in subsurface soil collected from one sample location. Selenium was detected at a concentration exceeding the migration to groundwater value in subsurface soil collected from one sample location. No additional detected RCRA 8 metal concentrations exceeded residential, industrial or migration to groundwater de minimis levels in subsurface soil.

Laboratory analytical results indicate that no detected VOC or PAH concentrations exceeded groundwater de minimis levels. However, the reporting limit exceeded the groundwater de minimis value for three VOC analytes and one PAH analyte. Arsenic was detected at a concentration exceeding the groundwater de minimis value at one sample location. No additional detected RCRA 8 metal concentrations exceeded the groundwater de minimis value; however, the reporting limit exceeded the migration to groundwater value for one sample analyte.

We recommend a Human Health and Ecological Risk Assessment be prepared to determine if remediation of COPC are required.

# TABLES



**Table 1. Monitoring Well Gauging (11/21/2013)**  
**Johns Manville - Riverside Parcels**  
**Vienna, WV**  
**VRP# 11966**

Location	Date	Ground Elevation	TOC Elevation	Depth to LNAPL	Depth to Water	Potentiometric Surface Elevation
TMW-1	11/21/2013	603.63	604.88	NP	14.17	590.71
TMW-2	11/21/2013	600.11	600.51	NP	12.15	588.36
TMW-3	11/21/2013	600.61	604.11	NP	14.12	589.99
TMW-4	11/21/2013	591.98	595.33	NP	10.91	584.42

Note:

TOC-Top of Casing

LNAPL-Light Non-Aqueous Phase Liquids

Depth to water measured from TOC.

NP- Not Present.



Table 2. VOC Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs									
					SS-1	SS-1 FD	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	
1,1,1-Trichloroethane	mg/kg-dry	450	450	1.4	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,1,2,2-Tetrachloroethane	mg/kg-dry	0.57	31	0.00053	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,1,2-Trichloroethane	mg/kg-dry	1.1	57	0.032	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,1-Dichloroethane	mg/kg-dry	3.4	170	0.014	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,1-Dichloroethene	mg/kg-dry	250	860	0.05	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,2-Dichloroethane	mg/kg-dry	0.44	23	0.028	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,2-Dichloroethene	mg/kg-dry				ND	0.069	ND	0.072	ND	0.079	ND	0.072	ND	0.071
1,2-Dichloropropane	mg/kg-dry	0.92	47	0.033	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
1,3-Dichloropropane	mg/kg-dry				ND	0.069	ND	0.072	ND	0.079	ND	0.072	ND	0.071
2-Butanone	mg/kg-dry	28000	47000	30	ND	0.23	ND	0.24	ND	0.26	ND	0.24	ND	0.24
2-Hexanone	mg/kg-dry				ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
4-Methyl-2-pentanone	mg/kg-dry	4300	4300	9	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Acetone	mg/kg-dry	61000	200000	89	ND	0.12	ND	0.12	ND	0.13	ND	0.12	ND	0.12
Benzene	mg/kg-dry	1.1	58	0.051	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Bromodichloromethane	mg/kg-dry	0.28	14	0.00064	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Bromoform	mg/kg-dry	61	3100	0.045	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Bromethane	mg/kg-dry	7.5	33	0.044	ND	0.086	ND	0.091	ND	0.098	ND	0.09	ND	0.089
Carbon disulfide	mg/kg-dry	640	640	6.1	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Carbon tetrachloride	mg/kg-dry	0.62	32	0.039	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Chlorobenzene	mg/kg-dry	300	340	1.4	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Chloroethane	mg/kg-dry	1900	1900	120	ND	0.12	ND	0.12	ND	0.13	ND	0.12	ND	0.12
Chloroform	mg/kg-dry	0.3	15	0.0011	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Chloromethane	mg/kg-dry	120	510	0.98	ND	0.12	ND	0.12	ND	0.13	ND	0.12	ND	0.12
cis-1,2-Dichloroethene	mg/kg-dry	18	83	0.41	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
cis-1,3-Dichloropropene	mg/kg-dry				ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Dibromochloromethane	mg/kg-dry				ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Ethylbenzene	mg/kg-dry	5.5	190	16	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
m,p-Xylene	mg/kg-dry				ND	0.069	0.038	0.069	ND	0.072	ND	0.072	ND	0.071
Methylene chloride	mg/kg-dry	11	580	0.025	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
o-Xylene	mg/kg-dry				ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Styrene	mg/kg-dry	340	340	2.2	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Tetrachloroethene	mg/kg-dry	0.56	36	0.045	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Toluene	mg/kg-dry	360	360	14	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
trans-1,2-Dichloroethene	mg/kg-dry	160	710	0.59	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
trans-1,3-Dichloropropene	mg/kg-dry				ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Trichloroethene	mg/kg-dry	0.48	21	0.036	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Vinyl chloride	mg/kg-dry		21.380898	0.0136904	ND	0.035	ND	0.036	ND	0.039	ND	0.036	ND	0.035
Xylenes, Total	mg/kg-dry	100	100		ND	0.1	ND	0.1	ND	0.11	ND	0.11	ND	0.11

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessment.



Table 2. VOC Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs															
					SS-9	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	RL	Result Q	RL	Result Q	RL	Result Q	RL	
1,1,1-Trichloroethane	mg/Kg-dry	450	450	1.4	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,1,2,2-Tetrachloroethane	mg/Kg-dry	0.57	0.31	0.00053	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,1,2-Trichloroethane	mg/Kg-dry	1.1	57	0.032	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,1-Dichloroethane	mg/Kg-dry	3.4	170	0.014	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,1-Dichloroethane	mg/Kg-dry	250	860	0.05	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,2-Dichloroethane	mg/Kg-dry	0.44	23	0.028	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,2-Dichloroethane	mg/Kg-dry				ND	0.074	0.067	0.067	ND	0.067	0.07	ND	0.068	ND	0.087	0.081	ND	0.07		
1,2-Dichloropropane	mg/Kg-dry	0.92	47	0.033	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
1,3-Dichloropropane	mg/Kg-dry				ND	0.074	0.067	0.067	ND	0.067	0.07	ND	0.068	ND	0.087	0.081	ND	0.07		
2-Butanone	mg/Kg-dry	28000	47000	30	ND	0.25	0.22	0.22	ND	0.22	0.23	ND	0.23	ND	0.29	0.27	ND	0.23		
2-Hexanone	mg/Kg-dry				ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
4-Methyl-2-pentanone	mg/Kg-dry	4300	4300	9	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Acetone	mg/Kg-dry	61000	200000	89	ND	0.12	0.11	0.11	ND	0.11	0.12	ND	0.11	ND	0.15	0.14	ND	0.12		
Benzene	mg/Kg-dry	1.1	58	0.051	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Bromodichloromethane	mg/Kg-dry	0.28	14	0.00064	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Bromomethane	mg/Kg-dry	7.5	33	0.044	ND	0.092	0.084	0.084	ND	0.084	0.087	ND	0.085	ND	0.11	0.1	ND	0.088		
Carbon disulfide	mg/Kg-dry	640	640	6.1	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Carbon tetrachloride	mg/Kg-dry	0.62	32	0.039	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Chlorobenzene	mg/Kg-dry	300	340	1.4	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Chloroethane	mg/Kg-dry	1900	1900	120	ND	0.12	0.11	0.11	ND	0.11	0.12	ND	0.11	ND	0.15	0.14	ND	0.12		
Chloroform	mg/Kg-dry	0.3	15	0.0011	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Chloromethane	mg/Kg-dry	120	510	0.98	ND	0.12	0.11	0.11	ND	0.11	0.12	ND	0.11	ND	0.15	0.14	ND	0.12		
cis-1,2-Dichloroethene	mg/Kg-dry	18	83	0.41	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
cis-1,3-Dichloropropene	mg/Kg-dry				ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Dibromochloromethane	mg/Kg-dry				ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Ethylbenzene	mg/Kg-dry	5.5	190	16	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
m,p-Xylene	mg/Kg-dry				ND	0.074	0.067	0.067	ND	0.067	0.07	ND	0.068	ND	0.087	0.081	ND	0.07		
Methylene chloride	mg/Kg-dry	11	580	0.025	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
o-Xylene	mg/Kg-dry				ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Styrene	mg/Kg-dry	340	340	2.2	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Tetrachloroethene	mg/Kg-dry	0.56	36	0.045	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Toluene	mg/Kg-dry	360	360	14	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
trans-1,2-Dichloroethene	mg/Kg-dry	160	710	0.59	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
trans-1,3-Dichloropropene	mg/Kg-dry				ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Trichloroethene	mg/Kg-dry	0.48	21	0.036	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Vinyl chloride	mg/Kg-dry		21,380898	0.0136904	ND	0.037	0.037	0.034	ND	0.034	0.035	ND	0.034	ND	0.044	0.041	ND	0.035		
Xylenes, Total	mg/Kg-dry	100	100		ND	0.11	0.11	0.11	ND	0.11	0.12	ND	0.11	ND	0.13	0.12	ND	0.11		

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.

Result exceeds the Industrial De Minimis value.

Result exceeds the Migration to Groundwater value.

Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Asses



Table 2. VOC Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs							
					SS-17	SS-17 FD	SS-18	SS-19	SS-20	SS-21	SS-22	
		Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)		
1,1,1-Trichloroethane	mg/kg-dry	450	450	1.4	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,1,2,2-Tetrachloroethane	mg/kg-dry	0.57	31	0.00053	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,1,2-Trichloroethane	mg/kg-dry	1.1	57	0.032	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,1-Dichloroethane	mg/kg-dry	3.4	170	0.014	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,1-Dichloroethane	mg/kg-dry	250	860	0.05	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,2-Dichloroethane	mg/kg-dry	0.44	23	0.028	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,2-Dichloroethane	mg/kg-dry	0.92	47	0.033	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
1,3-Dichloropropene	mg/kg-dry				ND	0.063	0.073	0.07	ND	0.069	ND	0.067
2-Butanone	mg/kg-dry	28000	47000	30	ND	0.21	0.24	0.23	ND	0.23	ND	0.22
2-Hexanone	mg/kg-dry				ND	0.032	0.036	0.035	ND	0.035	ND	0.034
4-Methyl-2-pentanone	mg/kg-dry	4300	4300	9	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Acetone	mg/kg-dry	61000	200000	89	ND	0.11	0.12	0.12	ND	0.12	ND	0.11
Benzene	mg/kg-dry	1.1	58	0.051	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Bromodichloromethane	mg/kg-dry	0.28	14	0.00064	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Bromoform	mg/kg-dry	61	3100	0.045	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Bromomethane	mg/kg-dry	7.5	33	0.044	ND	0.079	0.091	0.088	ND	0.087	ND	0.084
Carbon disulfide	mg/kg-dry	640	640	6.1	0.028	0.032	0.036	0.035	0.029	0.034	ND	0.034
Carbon tetrachloride	mg/kg-dry	0.62	32	0.039	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Chlorobenzene	mg/kg-dry	300	340	1.4	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Chloroethane	mg/kg-dry	1900	1900	120	ND	0.11	0.12	0.12	ND	0.12	ND	0.11
Chloroform	mg/kg-dry	0.3	15	0.0011	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Chloromethane	mg/kg-dry	120	510	0.98	ND	0.11	0.12	0.12	ND	0.12	ND	0.11
cis-1,2-Dichloroethane	mg/kg-dry	18	83	0.41	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
cis-1,3-Dichloropropene	mg/kg-dry				ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Dibromochloromethane	mg/kg-dry				ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Ethylbenzene	mg/kg-dry	5.5	190	16	0.12	0.032	0.036	0.035	ND	0.035	ND	0.034
m,p-Xylene	mg/kg-dry				0.47	0.063	0.045	0.07	ND	0.069	ND	0.067
Methylene chloride	mg/kg-dry	11	580	0.025	ND	0.032	0.036	0.035	ND	0.035	0.077	0.034
o-Xylene	mg/kg-dry				0.48	0.032	0.042	0.035	ND	0.035	0.02	0.034
Styrene	mg/kg-dry	340	340	2.2	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Tetrachloroethene	mg/kg-dry	0.56	36	0.045	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Toluene	mg/kg-dry	360	360	14	0.35	0.032	0.053	0.035	0.019	0.034	0.035	0.034
trans-1,2-Dichloroethene	mg/kg-dry	160	710	0.59	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
trans-1,3-Dichloropropene	mg/kg-dry				ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Trichloroethene	mg/kg-dry	0.48	21	0.036	ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Vinyl chloride	mg/kg-dry	21,380898	0.0136904		ND	0.032	0.036	0.035	ND	0.035	ND	0.034
Xylenes, Total	mg/kg-dry	100	100	0.96	0.087	0.095	0.11	0.11	ND	0.11	ND	0.1

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.

Result exceeds the Industrial De Minimis value.

Result exceeds the Migration to Groundwater value.

Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assess



Table 3. PAH Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs										
					SS-1	SS-1 FD	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8		
		Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)	Result Q (0-2)
Acenaphthene	mg/kg-dry	4100	66000	75	ND	0.004	0.038	ND	0.019	ND	0.039	ND	0.022	ND	0.004
Acenaphthylene	mg/kg-dry	4300	75000	75	0.005	0.004	0.038	0.016	0.019	0.09	0.039	0.03	0.022	ND	0.004
Anthracene	mg/kg-dry	23000	610000	7200	0.006	0.004	0.038	0.023	0.019	0.023	0.039	0.024	0.022	ND	0.004
Benzo(a)anthracene	mg/kg-dry	0.15	29	0.21	0.031	0.004	0.034	0.015	0.019	0.26	0.039	0.18	0.022	ND	0.004
Benzo(a)pyrene	mg/kg-dry	0.015	2.9	4.7	0.029	0.004	0.042	0.038	0.019	0.32	0.039	0.13	0.022	ND	0.004
Benzo(b)fluoranthene	mg/kg-dry	0.15	29	0.71	0.039	0.004	0.046	0.038	0.019	0.41	0.039	0.22	0.022	ND	0.004
Benzo(k)fluoranthene	mg/kg-dry	0.008	0.058	0.058	0.008	0.008	0.065	0.076	0.039	0.58	0.078	0.25	0.043	ND	0.008
Benzo(e)pyrene	mg/kg-dry	0.029	0.029	0.029	0.011	0.004	0.11	0.08	0.058	0.31	0.12	0.1	0.065	ND	0.012
Benzo(g,h,i)perylene	mg/kg-dry	1700	23000	85000	0.02	0.004	0.023	0.038	0.019	0.29	0.039	0.082	0.022	ND	0.004
Benzo(k)fluoranthene	mg/kg-dry	1.5	290	6.9	0.019	0.004	0.019	0.038	0.019	0.17	0.039	0.032	0.022	ND	0.004
Chrysene	mg/kg-dry	15	2900	21	0.033	0.004	0.031	0.038	0.019	0.25	0.039	0.089	0.022	ND	0.004
Dibenzo(a,h)anthracene	mg/kg-dry	0.015	2.9	0.23	0.006	0.004	0.023	0.038	0.019	0.062	0.039	0.19	0.022	ND	0.004
Fluoranthene	mg/kg-dry	2300	30000	3200	0.005	0.004	0.046	0.038	0.019	0.33	0.039	0.23	0.022	8E-04	0.004
Fluorene	mg/kg-dry	2900	57000	90	0.002	0.004	ND	0.038	0.019	ND	0.039	0.007	0.022	ND	0.004
Indeno(1,2,3-cd)pyrene	mg/kg-dry	0.15	29	2.3	0.017	0.004	0.031	0.038	0.019	0.064	0.039	0.076	0.022	ND	0.004
Naphthalene	mg/kg-dry	3.6	180	0.0094	0.002	0.004	0.008	0.038	0.019	0.014	0.039	0.009	0.022	ND	0.004
Phenanthrene	mg/kg-dry	23000	610000	7400	0.023	0.004	0.015	0.038	0.019	0.43	0.039	0.091	0.022	ND	0.004
Pyrene	mg/kg-dry	2300	58000	400	0.047	0.004	0.042	0.038	0.019	0.14	0.039	0.18	0.022	8E-04	0.004

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessment.



Table 3. PAH Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	SS-9		SS-10		SS-11		SS-12		SS-13		SS-14		SS-15		SS-16					
					Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL		
Acenaphthene	mg/Kg-dry	4100	6600	75	ND	0.004	0.022	J	0.037	ND	0.004	0.057	J	0.038	ND	0.018	0.007	J	0.024	ND	0.044	0.001	J	0.004
Acenaphthylene	mg/Kg-dry	4300	7500	75	0.006	0.004	0.03	J	0.037	ND	0.004	0.015	J	0.038	0.026	0.018	0.043	J	0.024	0.026	J	0.044	0.005	0.004
Anthracene	mg/Kg-dry	23000	610000	7200	0.004	0.004	0.045	J	0.037	ND	0.004	0.14	J	0.038	0.007	0.018	0.041	J	0.024	0.026	J	0.044	0.005	0.004
Benzo(a)anthracene	mg/Kg-dry	0.15	29	0.21	0.032	0.004	0.3	J	0.037	ND	0.004	0.52	J	0.038	0.081	0.018	0.31	J	0.024	0.24	J	0.044	0.034	0.004
Benzo(a)pyrene	mg/Kg-dry	0.015	2.9	4.7	0.004	0.004	0.23	J	0.037	0.001	0.004	0.31	J	0.038	0.066	0.018	0.22	J	0.024	0.16	J	0.044	0.024	0.004
Benzo(b)fluoranthene	mg/Kg-dry	0.15	29	0.71	0.049	0.004	0.38	J	0.037	ND	0.004	0.5	J	0.038	0.13	0.018	0.36	J	0.024	0.21	J	0.044	0.041	0.004
Benzo(k)fluoranthene	mg/Kg-dry				0.07	0.008	0.45	J	0.074	0.002	0.007	0.59	J	0.076	0.26	0.037	0.43	J	0.048	0.32	J	0.088	0.049	0.008
Benzo(e)pyrene	mg/Kg-dry				0.03	0.012	0.19	J	0.11	ND	0.011	0.23	J	0.11	0.061	0.055	0.18	J	0.072	0.12	J	0.13	0.02	0.012
Benzo(g,h,i)perylene	mg/Kg-dry	1700	23000	85000	0.223	0.004	0.17	J	0.037	ND	0.004	0.17	J	0.038	0.048	0.018	0.13	J	0.024	0.1	J	0.044	0.017	0.004
Benzo(k)fluoranthene	mg/Kg-dry	1.5	290	6.9	0.021	0.004	0.063	J	0.037	ND	0.004	0.084	J	0.038	0.12	0.018	0.067	J	0.024	0.11	J	0.044	0.008	0.004
Chrysene	mg/Kg-dry	15	2900	21	0.039	0.004	0.16	J	0.037	ND	0.004	0.24	J	0.038	0.042	0.018	0.17	J	0.024	0.12	J	0.044	0.018	0.004
Dibenzo(a,h)anthracene	mg/Kg-dry	0.015	2.9	0.23	0.006	0.004	0.037	J	0.037	ND	0.004	0.046	J	0.038	0.009	0.018	0.034	J	0.024	0.026	J	0.044	0.004	0.004
Fluoranthene	mg/Kg-dry	2300	30000	3200	0.049	0.004	0.48	J	0.037	0.002	0.004	0.98	J	0.038	0.066	0.018	0.36	J	0.024	0.25	J	0.044	0.039	0.004
Fluorene	mg/Kg-dry	2900	57000	90	0.001	0.004	0.222	J	0.037	ND	0.004	0.227	J	0.038	ND	0.018	0.01	J	0.024	0.009	J	0.044	0.002	J
Indeno(1,2,3-cd)pyrene	mg/Kg-dry	0.15	29	2.3	0.023	0.004	0.14	J	0.037	ND	0.004	0.17	J	0.038	0.042	0.018	0.12	J	0.024	0.1	J	0.044	0.016	0.004
Naphthalene	mg/Kg-dry	3.6	180	0.0094	0.005	0.004	0.026	J	0.037	ND	0.004	0.008	J	0.038	ND	0.018	0.014	J	0.024	0.092	J	0.044	0.004	0.004
Phenanthrene	mg/Kg-dry	23000	610000	7400	0.023	0.004	0.31	J	0.037	7E-04	0.004	0.5	J	0.038	0.013	0.018	0.13	J	0.024	0.092	J	0.044	0.018	0.004
Pyrene	mg/Kg-dry	2300	58000	400	0.044	0.004	0.39	J	0.037	0.002	0.004	0.71	J	0.038	0.081	0.018	0.32	J	0.024	0.2	J	0.044	0.032	0.004

Notes:  
 Comparison values taken from Table 560-3B, De Minimis Table - effective 5/1/12  
 Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.  
 ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessor



Table 3. PAH Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	SS-17		SS-17 FD		SS-18		SS-19		SS-20		SS-21		SS-22	
					Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL
Acenaphthene	mg/kg-dry	4100	66000	75	ND	0.069	ND	0.079	ND	0.0038	ND	0.0076	ND	0.011	ND	0.0076	ND	0.0071
Acenaphthylene	mg/kg-dry	4300	75000	75	ND	0.069	0.016	0.079	ND	0.0038	ND	0.0076	ND	0.011	ND	0.0076	0.0042	0.0071
Anthracene	mg/kg-dry	23000	610000	7200	ND	0.069	0.016	0.079	ND	0.0038	ND	0.0076	0.0022	0.011	ND	0.0076	0.0021	0.0071
Benzo(a)anthracene	mg/kg-dry	0.15	29	0.21	0.12	0.069	0.063	0.079	0.0023	0.0038	ND	0.0076	0.0099	0.011	0.029	0.0076	0.017	0.0071
Benzo(a)pyrene	mg/kg-dry	0.015	2.9	4.7	0.069	0.087	0.079	0.0027	0.0038	ND	0.0076	0.055	0.11	0.23	0.076	0.018		0.0071
Benzo(b)fluoranthene	mg/kg-dry	0.15	29	0.083	0.1	0.069	0.1	0.079	0.0035	0.0038	ND	0.0076	0.11	0.38	0.076	0.022	0.0071	
Benzo(b-k)fluoranthene	mg/kg-dry				0.1	0.14	0.12	0.16	0.0046	0.0077	ND	0.015	0.22	0.061	0.15	0.033	0.014	
Benzo(e)pyrene	mg/kg-dry				ND	0.21	0.24	ND	0.012	ND	0.023	0.033	0.033	0.023	0.021	0.021	0.021	
Benzo(g,h,i)perylene	mg/kg-dry	1700	23000	85000	0.028	0.069	0.031	0.079	0.0027	0.0038	ND	0.0076	0.11	0.23	0.076	0.029	0.0071	
Benzo(k)fluoranthene	mg/kg-dry	1.5	290	6.9	0.021	0.069	ND	0.079	0.0012	0.0038	ND	0.0076	0.11	0.23	0.076	0.011	0.0071	
Chrysene	mg/kg-dry	15	2900	21	ND	0.069	0.11	0.079	0.0015	0.0038	ND	0.0076	0.088	0.11	0.27	0.076	0.015	
Dibenzo(a,h)anthracene	mg/kg-dry	0.015	2.9	0.23	0.034	0.069	0.039	0.079	0.0019	0.0038	ND	0.0076	0.11	0.23	0.076	0.076	0.0071	
Fluoranthene	mg/kg-dry	2300	30000	3200	0.055	0.069	0.079	0.079	0.0019	0.0038	0.003	0.0076	0.017	0.055	0.076	0.028	0.0071	
Fluorene	mg/kg-dry	2900	57000	90	ND	0.069	ND	0.079	ND	0.0038	ND	0.0076	0.011	ND	0.076	ND	0.0071	
Indeno(1,2,3-cd)pyrene	mg/kg-dry	0.15	29	2.3	0.041	0.069	0.055	0.079	0.0027	0.0038	ND	0.0076	0.055	0.11	0.076	0.016	0.0071	
Naphthalene	mg/kg-dry	3.6	180	0.0094	ND	0.069	ND	0.079	ND	0.0038	ND	0.0076	ND	0.011	0.076	0.014	0.0071	
Phenanthrene	mg/kg-dry	23000	610000	7400	0.021	0.069	0.039	0.079	0.0008	0.0038	ND	0.0076	0.055	0.011	0.076	0.0099	0.0071	
Pyrene	mg/kg-dry	2300	58000	400	0.055	0.069	0.071	0.079	0.0012	0.0038	ND	0.0076	0.015	0.055	0.076	0.021	0.0071	

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12  
 Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessor



Table 4. RCRA 8 Metals Concentrations in Surface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis		Industrial DeMinimis		Migration to Groundwater	
		Result Q	RL	Result Q	RL	Result Q	RL
Arsenic	mg/kg-dry	0.39	27	5.8	17	1.9	14
Barium	mg/kg-dry	15000	1600	490	170	41	14
Cadmium	mg/kg-dry	37	800	0.78	1.8	0.82	0.47
Chromium	mg/kg-dry	120000	2000000000	19	26	2.0	32
Lead	mg/kg-dry	400	1000	270	38	1.9	42
Selenium	mg/kg-dry	390	10000	5.2	0.93	1.9	0.78
Silver	mg/kg-dry	390	10000	31	0.088	1.9	0.10
Mercury	mg/kg-dry	23	610	2.1	0.15	0.022	0.34
SS-1		Result Q	RL	Result Q	RL	Result Q	RL
SS-1 FD		(0-2)	(0-2)	(0-2)	(0-2)	(0-2)	(0-2)
SS-2		Result Q	RL	Result Q	RL	Result Q	RL
SS-3		Result Q	RL	Result Q	RL	Result Q	RL
SS-4		Result Q	RL	Result Q	RL	Result Q	RL
SS-5		Result Q	RL	Result Q	RL	Result Q	RL
SS-6		Result Q	RL	Result Q	RL	Result Q	RL
SS-7		Result Q	RL	Result Q	RL	Result Q	RL
SS-8		Result Q	RL	Result Q	RL	Result Q	RL

Analyte	Units	Residential DeMinimis		Industrial DeMinimis		Migration to Groundwater	
		Result Q	RL	Result Q	RL	Result Q	RL
Arsenic	mg/kg-dry	0.39	27	5.8	15	2.0	39
Barium	mg/kg-dry	15000	1600	200	2.0	570	2.1
Cadmium	mg/kg-dry	37	800	7.5	1.4	0.80	1.9
Chromium	mg/kg-dry	120000	1000000	26	2.0	44	2.1
Lead	mg/kg-dry	400	1000	270	63	2.0	82
Selenium	mg/kg-dry	390	10000	5.2	1.4	2.0	1.8
Silver	mg/kg-dry	390	10000	31	0.21	2.0	0.15
Mercury	mg/kg-dry	23	610	2.1	0.24	0.081	0.017
SS-9		Result Q	RL	Result Q	RL	Result Q	RL
SS-10		Result Q	RL	Result Q	RL	Result Q	RL
SS-11		Result Q	RL	Result Q	RL	Result Q	RL
SS-12		Result Q	RL	Result Q	RL	Result Q	RL
SS-13		Result Q	RL	Result Q	RL	Result Q	RL
SS-14		Result Q	RL	Result Q	RL	Result Q	RL
SS-15		Result Q	RL	Result Q	RL	Result Q	RL
SS-16		Result Q	RL	Result Q	RL	Result Q	RL

Analyte	Units	Residential DeMinimis		Industrial DeMinimis		Migration to Groundwater	
		Result Q	RL	Result Q	RL	Result Q	RL
Arsenic	mg/kg-dry	0.39	27	5.8	110	2.0	1.9
Barium	mg/kg-dry	15000	1600	210	2.0	620	1.9
Cadmium	mg/kg-dry	37	800	7.5	2.4	0.81	1.9
Chromium	mg/kg-dry	120000	1000000	21	2.0	25	1.9
Lead	mg/kg-dry	400	1000	270	180	2.0	240
Selenium	mg/kg-dry	390	10000	5.2	6.8	2.0	1.9
Silver	mg/kg-dry	390	10000	31	0.13	2.0	0.17
Mercury	mg/kg-dry	23	610	2.1	0.029	0.013	0.20
SS-17		Result Q	RL	Result Q	RL	Result Q	RL
SS-17 FD		Result Q	RL	Result Q	RL	Result Q	RL
SS-18		Result Q	RL	Result Q	RL	Result Q	RL
SS-19		Result Q	RL	Result Q	RL	Result Q	RL
SS-20		Result Q	RL	Result Q	RL	Result Q	RL
SS-21		Result Q	RL	Result Q	RL	Result Q	RL
SS-22		Result Q	RL	Result Q	RL	Result Q	RL

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessment.  
 J - Estimated Value



**Table 5. VOC Concentrations in Subsurface Soil**  
**Johns Manville-Riverside Parcels**  
**VRP # 11966**

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs													
					SB-1	SB-1 FD	SB-2	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8				
1,1,1-Trichloroethane	mg/kg-dry	450	450	1.4	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,1,2,2-Tetrachloroethane	mg/kg-dry	0.57	0.57	0.00053	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,1,2-Trichloroethane	mg/kg-dry	1.1	1.1	0.032	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,1-Dichloroethane	mg/kg-dry	3.4	3.4	0.014	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,1-Dichloroethane	mg/kg-dry	250	250	0.05	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,2-Dichloroethane	mg/kg-dry	0.44	0.44	0.028	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,2-Dichloroethane	mg/kg-dry				ND	0.075	ND	0.071	ND	0.074	ND	0.08	ND	0.075	ND	0.08	ND	0.076
1,2-Dichloropropane	mg/kg-dry	0.92	0.92	47	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
1,3-Dichloropropane	mg/kg-dry				ND	0.075	ND	0.071	ND	0.074	ND	0.08	ND	0.075	ND	0.08	ND	0.076
2-Butanone	mg/kg-dry	28000	47000	30	ND	0.25	ND	0.24	ND	0.25	ND	0.27	ND	0.25	ND	0.27	ND	0.25
2-Hexanone	mg/kg-dry				ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
4-Methyl-2-pentanone	mg/kg-dry	4300	4300	9	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Acetone	mg/kg-dry	61000	200000	89	ND	0.12	ND	0.12	ND	0.12	ND	0.13	ND	0.12	ND	0.13	ND	0.13
Benzene	mg/kg-dry	1.1	58	0.051	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Bromodichloromethane	mg/kg-dry	0.28	14	0.00064	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Bromoform	mg/kg-dry	61	3100	0.045	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Bromomethane	mg/kg-dry	7.5	33	0.044	ND	0.094	ND	0.089	ND	0.093	ND	0.1	ND	0.093	ND	0.1	ND	0.095
Carbon disulfide	mg/kg-dry	640	640	6.1	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Carbon tetrachloride	mg/kg-dry	0.62	32	0.039	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Chlorobenzene	mg/kg-dry	300	340	1.4	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Chloroethane	mg/kg-dry	1900	1900	120	ND	0.12	ND	0.12	ND	0.12	ND	0.13	ND	0.12	ND	0.13	ND	0.13
Chloroform	mg/kg-dry	0.3	15	0.0011	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Chloromethane	mg/kg-dry	120	510	0.98	ND	0.12	ND	0.12	ND	0.12	ND	0.13	ND	0.12	ND	0.13	ND	0.13
cis-1,2-Dichloroethane	mg/kg-dry	18	83	0.41	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
cis-1,3-Dichloropropane	mg/kg-dry				ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Dibromochloromethane	mg/kg-dry	5.5	190	16	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Ethylbenzene	mg/kg-dry				ND	0.075	ND	0.071	ND	0.074	ND	0.08	ND	0.075	ND	0.08	ND	0.076
m,p-Xylene	mg/kg-dry				ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Methylene chloride	mg/kg-dry	11	580	0.025	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
o-Xylene	mg/kg-dry				ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Styrene	mg/kg-dry	340	340	2.2	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Tetrachloroethene	mg/kg-dry	0.56	36	0.045	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Toluene	mg/kg-dry	360	360	14	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
trans-1,2-Dichloroethene	mg/kg-dry	160	710	0.59	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
trans-1,3-Dichloropropane	mg/kg-dry				ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Trichloroethene	mg/kg-dry	0.48	21	0.036	ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Vinyl chloride	mg/kg-dry	21,380898	0.0136904		ND	0.037	ND	0.036	ND	0.037	ND	0.04	ND	0.037	ND	0.04	ND	0.038
Xylenes, Total	mg/kg-dry	100	100	200	ND	0.11	ND	0.11	ND	0.11	ND	0.12	ND	0.11	ND	0.12	ND	0.11

Notes:  
 Comparison values taken from Table 560-3B, De Minimis Table - effective 5/1/12  
 Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.  
 ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessment.



Table 5. VOC Concentrations in Subsurface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs											
					SB-8	SB-9	SS-10	SB-11	SB-13	SB-14	SB-15	SB-16	8-10'	RL		
1,1,1-Trichloroethane	mg/kg-dry	450	450	1.4	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,1,2,2-Tetrachloroethane	mg/kg-dry	0.57	31	0.00053	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,1,2-Trichloroethane	mg/kg-dry	1.1	57	0.032	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,1-Dichloroethane	mg/kg-dry	3.4	170	0.014	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,1-Dichloroethane	mg/kg-dry	250	860	0.05	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,2-Dichloroethane	mg/kg-dry	0.44	23	0.028	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,2-Dichloroethane	mg/kg-dry	0.75	ND	0.079	ND	0.075	ND	0.079	ND	0.072	ND	0.079	ND	0.078	ND	0.082
1,2-Dichloropropane	mg/kg-dry	0.92	47	0.033	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
1,3-Dichloropropane	mg/kg-dry				ND	0.075	ND	0.079	ND	0.072	ND	0.079	ND	0.078	ND	0.082
2-Butanone	mg/kg-dry	28000	47000	30	ND	0.25	ND	0.26	ND	0.24	ND	0.26	ND	0.26	ND	0.27
2-Hexanone	mg/kg-dry				ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
4-Methyl-2-pentanone	mg/kg-dry	4300	4300	9	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Acetone	mg/kg-dry	61000	200000	89	ND	0.12	ND	0.13	ND	0.12	ND	0.13	ND	0.13	ND	0.14
Benzene	mg/kg-dry	1.1	58	0.051	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Bromodichloromethane	mg/kg-dry	0.28	14	0.00064	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Bromoform	mg/kg-dry	61	3100	0.045	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Bromomethane	mg/kg-dry	7.5	33	0.044	ND	0.093	ND	0.099	ND	0.09	ND	0.099	ND	0.097	ND	0.1
Carbon disulfide	mg/kg-dry	640	640	6.1	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Carbon tetrachloride	mg/kg-dry	0.62	32	0.039	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Chlorobenzene	mg/kg-dry	300	340	1.4	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Chloroethane	mg/kg-dry	1900	1900	120	ND	0.12	ND	0.13	ND	0.12	ND	0.13	ND	0.13	ND	0.14
Chloroform	mg/kg-dry	0.3	15	0.0011	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Chloromethane	mg/kg-dry	120	510	0.98	ND	0.12	ND	0.13	ND	0.12	ND	0.13	ND	0.13	ND	0.14
cis-1,2-Dichloroethane	mg/kg-dry	18	83	0.41	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
cis-1,3-Dichloropropane	mg/kg-dry				ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Dibromochloromethane	mg/kg-dry	5.5	190	16	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Ethylbenzene	mg/kg-dry				ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
m,p-Xylene	mg/kg-dry				ND	0.075	ND	0.079	ND	0.072	ND	0.079	ND	0.078	ND	0.082
Methylene chloride	mg/kg-dry	11	580	0.025	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
o-Xylene	mg/kg-dry				ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Styrene	mg/kg-dry	340	340	2.2	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Tetrachloroethene	mg/kg-dry	0.56	36	0.045	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Toluene	mg/kg-dry	360	360	14	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
trans-1,2-Dichloroethene	mg/kg-dry	160	710	0.59	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
trans-1,3-Dichloropropene	mg/kg-dry				ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Trichloroethene	mg/kg-dry	0.48	21	0.036	ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Vinyl chloride	mg/kg-dry	21,380898	0.0136904		ND	0.037	ND	0.039	ND	0.036	ND	0.039	ND	0.039	ND	0.041
Xylenes, Total	mg/kg-dry	100	100		ND	0.11	ND	0.12	ND	0.11	ND	0.12	ND	0.12	ND	0.12

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12  
 Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.  
 Reporting limit exceeds the most restrictive De Minimis value.  
 ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessor



**Table 5. VOC Concentrations in Subsurface Soil**  
**Johns Manville-Riverside Parcels**  
**VRP # 11966**

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID & Depth bgs									
					SB-17 13-15'	SB-17 FD 13-15'	SB-18 9-11'	SB-18 9-11'	SB-19 8-10'	SB-19 8-10'	SB-20 15-17'	SB-21 18-20'	SB-22 8-10'	
					Result Q RL	Result Q RL	Result Q RL	Result Q RL	Result Q RL	Result Q RL	Result Q RL	Result Q RL	Result Q RL	Result Q RL
1,1,1-Trichloroethane	mg/Kg-dry	450	450	1.4	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,1,2,2-Tetrachloroethane	mg/Kg-dry	0.57	0.00053	31	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,1,2-Trichloroethane	mg/Kg-dry	1.1	0.032	57	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,1-Dichloroethane	mg/Kg-dry	3.4	0.014	170	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,1-Dichloroethane	mg/Kg-dry	250	0.05	860	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,2-Dichloroethane	mg/Kg-dry	0.44	0.028	23	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,2-Dichloroethane	mg/Kg-dry	0.31	0.3	0.31	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,2-Dichloroethane	mg/Kg-dry	0.78	0.076	ND	ND	0.078	0.076	ND	0.073	ND	0.076	ND	0.078	0.086
1,2-Dichloropropane	mg/Kg-dry	0.92	0.033	47	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
1,3-Dichloropropane	mg/Kg-dry				ND	0.078	0.076	ND	0.073	ND	0.076	ND	0.078	0.086
2-Butanone	mg/Kg-dry	28000	47000	30	ND	0.26	0.25	ND	0.24	ND	0.25	ND	0.26	0.29
2-Hexanone	mg/Kg-dry				ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
4-Methyl-2-pentanone	mg/Kg-dry	4300	4300	9	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Acetone	mg/Kg-dry	61000	200000	89	ND	0.13	0.12	ND	0.12	ND	0.13	ND	0.13	0.14
Benzene	mg/Kg-dry	1.1	0.051	58	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Bromodichloromethane	mg/Kg-dry	0.28	0.00064	14	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Bromofrom	mg/Kg-dry	61	3100	61	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Bromomethane	mg/Kg-dry	7.5	33	33	ND	0.097	0.095	ND	0.091	ND	0.095	ND	0.097	0.11
Carbon disulfide	mg/Kg-dry	640	640	6.1	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Carbon tetrachloride	mg/Kg-dry	0.62	32	32	ND	0.039	0.038	ND	0.036	ND	0.038	0.065	0.039	0.043
Chlorobenzene	mg/Kg-dry	300	340	1.4	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Chloroethane	mg/Kg-dry	1900	1900	120	ND	0.13	0.12	ND	0.12	ND	0.13	ND	0.13	0.14
Chloroform	mg/Kg-dry	0.3	0.0011	15	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Chloromethane	mg/Kg-dry	120	510	0.98	ND	0.13	0.12	ND	0.12	ND	0.13	ND	0.13	0.14
cis-1,2-Dichloroethane	mg/Kg-dry	18	83	0.41	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
cis-1,3-Dichloropropene	mg/Kg-dry				ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Dibromochloromethane	mg/Kg-dry	5.5	190	16	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Ethylbenzene	mg/Kg-dry				ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
m,p-Xylene	mg/Kg-dry				ND	0.078	0.076	ND	0.073	ND	0.076	ND	0.078	0.086
Methylene chloride	mg/Kg-dry	11	580	0.25	ND	0.039	0.038	ND	0.036	ND	0.038	0.023	0.039	0.043
o-Xylene	mg/Kg-dry				ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Styrene	mg/Kg-dry	340	340	2.2	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Tetrachloroethene	mg/Kg-dry	0.56	36	0.045	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Toluene	mg/Kg-dry	360	360	14	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
trans-1,2-Dichloroethene	mg/Kg-dry	160	710	0.59	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
trans-1,3-Dichloropropene	mg/Kg-dry				ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Trichloroethene	mg/Kg-dry	0.48	21	0.036	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Vinyl chloride	mg/Kg-dry	21.380898	0.0136904	200	ND	0.039	0.038	ND	0.036	ND	0.038	ND	0.039	0.043
Xylenes, Total	mg/Kg-dry	100	100		ND	0.12	0.11	ND	0.11	ND	0.11	ND	0.12	0.13

Notes:  
 Comparison values taken from Table 560-3B, De Minimis Table - effective 5/1/12

**Result exceeds the Residential De Minimis value.**

**Result exceeds the Industrial De Minimis value.**

**Result exceeds the Migration to Groundwater value.**

**Reporting limit exceeds the most restrictive De Minimis value.**

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assesss



Table 6. PAH Concentrations in Subsurface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater		Sample ID & Depth bgs								
				SB-1	SB-1 FD	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7			
Acenaphthene	mg/kg-dry	4100	66000	75	ND	0.0041	ND	0.0039	ND	0.0040	ND	0.0044	ND	0.0040
Acenaphthylene	mg/kg-dry	4300	75000	75	ND	0.0041	ND	0.0039	ND	0.0040	0.018	0.0044	ND	0.0040
Anthracene	mg/kg-dry	23000	610000	7200	ND	0.0041	ND	0.0039	ND	0.0040	0.02	0.0044	ND	0.0040
Benzo(a)anthracene	mg/kg-dry	0.15	29	0.21	ND	0.0041	ND	0.0039	ND	0.0040	0.12	0.0044	ND	0.0040
Benzo(b)fluoranthene	mg/kg-dry	0.15	29	0.71	ND	0.0041	ND	0.0039	ND	0.0040	0.12	0.0044	ND	0.0040
Benzo(k)fluoranthene	mg/kg-dry				ND	0.0081	ND	0.0078	ND	0.0081	0.16	0.0089	ND	0.0086
Benzo(e)pyrene	mg/kg-dry				ND	0.0120	ND	0.0120	ND	0.0120	0.061	0.0130	ND	0.0130
Benzo(g,h,i)perylene	mg/kg-dry	1700	23000	85000	ND	0.0041	ND	0.0039	ND	0.0040	0.041	0.0044	ND	0.0040
Benzo(k)fluoranthene	mg/kg-dry	1.5	290	6.9	ND	0.0041	ND	0.0039	ND	0.0040	0.036	0.0044	ND	0.0040
Chrysene	mg/kg-dry	15	2900	21	ND	0.0041	ND	0.0039	ND	0.0040	0.089	0.0044	ND	0.0040
Dibenzo(a,h)anthracene	mg/kg-dry	0.015	2.9	0.23	ND	0.0041	ND	0.0039	ND	0.0040	0.01	0.0044	ND	0.0040
Fluoranthene	mg/kg-dry	2300	30000	3200	ND	0.0041	ND	0.0039	ND	0.0040	0.16	0.0044	ND	0.0040
Fluorene	mg/kg-dry	2900	57000	90	ND	0.0041	ND	0.0039	ND	0.0040	0.15	0.0044	ND	0.0040
Indeno(1,2,3-cd)pyrene	mg/kg-dry	0.15	29	2.3	ND	0.0041	ND	0.0039	ND	0.0040	0.43	0.0044	ND	0.0040
Naphthalene	mg/kg-dry	3.6	180	0.0094	ND	0.0041	ND	0.0039	ND	0.0040	0.0250	0.0044	ND	0.0040
Phenanthrene	mg/kg-dry	23000	610000	7400	ND	0.0041	ND	0.0039	ND	0.0040	0.097	0.0044	ND	0.0040
Pyrene	mg/kg-dry	2300	58000	400	ND	0.0041	ND	0.0039	ND	0.0040	0.13	0.0044	ND	0.0040

Notes:  
 Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.  
 Result exceeds the Industrial De Minimis value.  
 Result exceeds the Migration to Groundwater value.

ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessment.  
 J - Estimated Value



Table 6. PAH Concentrations in Subsurface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater		SB-8		SB-9		SS-10		SB-11		SB-13		SB-14		SB-15		SB-16	
				Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL
Acenaphthene	mg/kg-dry	4100	66000	75	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0043	ND	0.0043	ND	0.0043	ND
Acenaphthylene	mg/kg-dry	4300	75000	75	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0043	9E-04	0.0043	ND	0.0043	0.0043
Anthracene	mg/kg-dry	23000	610000	7200	ND	0.0040	0.004	0.0040	0.004	0.0040	ND	0.0038	8E-04	0.0040	ND	0.0043	9E-04	0.004	9E-04	0.0043	0.006
Benzo(a)anthracene	mg/kg-dry	0.15	29	0.21	ND	0.0040	0.015	0.0040	0.015	0.0040	ND	0.0038	0.004	0.0040	ND	0.0043	0.004	0.004	ND	0.0043	0.045
Benzo(a)pyrene	mg/kg-dry	0.015	2.9	4.7	ND	0.0040	0.007	0.0040	0.007	0.0040	ND	0.0038	0.003	0.0040	ND	0.0043	0.006	0.004	0.001	0.0043	0.0045
Benzo(b)fluoranthene	mg/kg-dry	0.15	29	0.71	ND	0.0040	0.013	0.0040	0.013	0.0040	ND	0.0038	0.005	0.0040	ND	0.0043	0.006	0.004	ND	0.0043	0.0045
Benzo(k)fluoranthene	mg/kg-dry	1.5	290	6.9	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0038	0.002	0.0040	ND	0.0043	0.003	0.004	ND	0.0043	0.0045
Benzo(g,h,i)perylene	mg/kg-dry	1700	23000	85000	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0038	0.002	0.0040	ND	0.0043	0.004	0.004	ND	0.0043	0.0045
Benzo(e)pyrene	mg/kg-dry				ND	0.0120	ND	0.0660	ND	0.0110	ND	0.0120	ND	0.0120	ND	0.0130	ND	0.013	ND	0.0130	0.0140
Chrysene	mg/kg-dry	15	2900	21	ND	0.0040	0.011	0.0040	0.011	0.0040	ND	0.0038	0.003	0.0040	ND	0.0043	0.004	0.004	ND	0.0043	0.0045
Dibenzo(a,h)anthracene	mg/kg-dry	0.015	2.9	0.23	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0038	ND	0.0040	ND	0.0043	0.003	0.004	ND	0.0043	0.0045
Fluoranthene	mg/kg-dry	2300	30000	3200	ND	0.0040	0.018	0.0040	0.018	0.0040	ND	0.0038	0.006	0.0040	ND	0.0043	0.005	0.004	0.002	0.0043	0.0045
Fluorene	mg/kg-dry	2900	57000	90	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0038	ND	0.0040	ND	0.0043	ND	0.004	ND	0.0043	0.0045
Indeno(1,2,3-cd)pyrene	mg/kg-dry	0.15	29	2.3	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0038	0.002	0.0040	ND	0.0043	0.004	0.004	ND	0.0043	0.0045
Naphthalene	mg/kg-dry	3.6	180	0.0094	ND	0.0040	0.004	0.0040	0.004	0.0040	ND	0.0038	ND	0.0040	ND	0.0043	ND	0.004	ND	0.0043	0.0045
Phenanthrene	mg/kg-dry	23000	610000	7400	ND	0.0040	0.009	0.0040	0.009	0.0040	ND	0.0038	0.003	0.0040	0.00086	0.0043	0.002	0.004	0.001	0.0043	0.0045
Pyrene	mg/kg-dry	2300	58000	400	ND	0.0040	0.013	0.0040	0.013	0.0040	ND	0.0038	0.004	0.0040	ND	0.0043	0.006	0.004	0.002	0.0043	0.0045

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.

Result exceeds the Industrial De Minimis value.

Result exceeds the Migration to Groundwater value.

Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assess

J - Estimated Value



Table 6. PAH Concentrations in Subsurface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	SB-17		SB-17 FD		SB-18		SB-19		SB-20		SB-21		SB-22		
					Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q
Acenaphthene	mg/Kg-dry	4100	66000	75	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	ND	0.091	
Acenaphthylene	mg/Kg-dry	4300	75000	75	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	0.036	J	0.091
Anthracene	mg/Kg-dry	23000	610000	7200	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	0.027	J	0.091
Benzo(a)anthracene	mg/Kg-dry	0.15	29	0.21	ND	0.0082	ND	0.0083	ND	0.0079	0.0032	J	0.0079	ND	0.008	0.0085	0.13		0.091
Benzo(a)pyrene	mg/Kg-dry	0.015	2.9	4.7	0.0049	J	0.0082	ND	0.0083	ND	0.0079	0.0071	J	0.0079	ND	0.0085	0.12		0.091
Benzo(b)fluoranthene	mg/Kg-dry	0.15	29	0.71	0.0049	J	0.0082	ND	0.0083	ND	0.0079	0.0079	J	0.0079	ND	0.0085	0.13		0.091
Benzo(b-k)fluoranthene	mg/Kg-dry				0.0049	J	0.016	ND	0.017	ND	0.016	0.0087	J	0.016	ND	0.017	0.21		0.18
Benzo(e)pyrene	mg/Kg-dry				ND		0.025	ND	0.025	ND	0.024	ND	0.024	ND	0.024	0.025	ND		0.27
Benzo(g,h,i)perylene	mg/Kg-dry	1700	23000	85000	ND	0.0082	ND	0.0083	ND	0.0079	0.0024	J	0.0079	ND	0.008	0.0085	0.082	J	0.091
Benzo(k)fluoranthene	mg/Kg-dry	1.5	290	6.9	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	0.082	J	0.091
Chrysene	mg/Kg-dry	15	2900	21	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	0.11		0.091
Dibenzo(a,h)anthracene	mg/Kg-dry	0.015	2.9	0.23	ND	0.0082	ND	0.0083	ND	0.0079	0.004	J	0.0079	ND	0.008	0.0085	ND		0.091
Fluoranthene	mg/Kg-dry	2300	30000	3200	0.0049	J	0.0082	ND	0.0083	ND	0.0079	0.0055	J	0.0079	ND	0.0085	0.19		0.091
Fluorene	mg/Kg-dry	2900	57000	90	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	ND		0.091
Indeno(1,2,3-cd)pyrene	mg/Kg-dry	0.15	29	2.3	0.0041	J	0.0082	ND	0.0083	ND	0.0079	0.0048	J	0.0079	ND	0.0085	0.073	J	0.091
Naphthalene	mg/Kg-dry	3.6	180	0.0094	ND	0.0082	ND	0.0083	ND	0.0079	ND	0.0079	ND	0.008	ND	0.0085	0.036	J	0.091
Phenanthrene	mg/Kg-dry	23000	610000	7400	0.0016	J	0.0082	ND	0.0083	ND	0.0079	0.0024	J	0.0079	ND	0.0085	0.1		0.091
Pyrene	mg/Kg-dry	2300	58000	400	0.0025	J	0.0082	ND	0.0083	ND	0.0079	0.0063	J	0.0079	ND	0.0085	0.17		0.091

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.

Result exceeds the Industrial De Minimis value.

Result exceeds the Migration to Groundwater value.

Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assessor

J - Estimated Value



Table 7. RCRA 8 Metals Concentrations in Subsurface Soil  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	Units	Residential DeMinimis		Industrial DeMinimis		Migration to Groundwater		Sample ID & Depth bgs														
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL			
Arsenic	mg/kg-dry	0.39	27	5.8	2.3	9.2	4.0	2.6	2.6	9.2	2.4	8.8	2.3	12	1010	9.3	2.2	12	2.6	11	2.2	2.2
Barium	mg/kg-dry	15000	360000	1600	2.3	1,700	26	150	2.4	130	2.3	220	2.8	130	2.2	190	2.6	230	2.2	2.2	2.2	2.2
Cadmium	mg/kg-dry	37	800	7.5	0.16	6.3	1.1	0.47	0.96	0.24	0.91	0.24	1.1	0.19	0.87	0.26	1.0	0.61	0.88	2.2	2.2	2.2
Chromium	mg/kg-dry	120000	1000000	2000000000	16	2.3	9.3	2.6	2.4	15	2.3	22	2.8	15	2.2	20	2.6	22	2.2	2.2	2.2	2.2
Lead	mg/kg-dry	400	1000	270	14	2.3	280	2.6	2.4	15	2.3	19	2.8	14	2.2	17	2.6	27	4.4	4.4	2.2	2.2
Selenium	mg/kg-dry	390	10000	5.2	1.0	0.40	2.6	1.4	2.4	1.1	2.3	1.7	2.8	1.1	2.2	1.8	2.6	1.6	2.2	2.2	2.2	2.2
Silver	mg/kg-dry	390	10000	31	ND	0.79	2.6	ND	2.4	0.011	2.3	0.015	2.8	0.044	2.2	0.018	2.6	0.12	2.2	2.2	2.2	2.2
Mercury	mg/kg-dry	23	610	2.1	0.025	0.018	0.28	0.020	0.035	0.014	0.029	0.016	0.031	0.029	0.022	0.041	0.019	0.091	0.020	0.020	0.020	0.020

Analyte	Units	Residential DeMinimis		Industrial DeMinimis		Migration to Groundwater		Sample ID & Depth bgs															
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Arsenic	mg/kg-dry	0.39	27	5.8	2.3	9.8	2.3	4.0	2.6	9.2	2.4	8.8	2.3	12	1010	9.3	2.2	12	2.6	11	2.2	2.2	2.2
Barium	mg/kg-dry	15000	360000	1600	2.3	1,700	26	150	2.4	130	2.3	220	2.8	130	2.2	190	2.6	230	2.2	2.2	2.2	2.2	2.2
Cadmium	mg/kg-dry	37	800	7.5	0.16	6.3	1.1	0.47	0.96	0.24	0.91	0.24	1.1	0.19	0.87	0.26	1.0	0.61	0.88	2.2	2.2	2.2	2.2
Chromium	mg/kg-dry	120000	1000000	2000000000	16	2.3	9.3	2.6	2.4	15	2.3	22	2.8	15	2.2	20	2.6	22	2.2	2.2	2.2	2.2	2.2
Lead	mg/kg-dry	400	1000	270	14	2.3	280	2.6	2.4	15	2.3	19	2.8	14	2.2	17	2.6	27	4.4	4.4	2.2	2.2	2.2
Selenium	mg/kg-dry	390	10000	5.2	1.0	0.40	2.6	1.4	2.4	1.1	2.3	1.7	2.8	1.1	2.2	1.8	2.6	1.6	2.2	2.2	2.2	2.2	2.2
Silver	mg/kg-dry	390	10000	31	ND	0.79	2.6	ND	2.4	0.011	2.3	0.015	2.8	0.044	2.2	0.018	2.6	0.12	2.2	2.2	2.2	2.2	2.2
Mercury	mg/kg-dry	23	610	2.1	0.025	0.018	0.28	0.020	0.035	0.014	0.029	0.016	0.031	0.029	0.022	0.041	0.019	0.091	0.020	0.020	0.020	0.020	0.020

Analyte	Units	Residential DeMinimis		Industrial DeMinimis		Migration to Groundwater		Sample ID & Depth bgs														
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
Arsenic	mg/kg-dry	0.39	27	5.8	2.4	8.5	2.4	7.3	2.4	9.0	2.3	8.6	1.9	11	2.0	9.9	2.3	130	2.9	2.9	2.9	2.9
Barium	mg/kg-dry	15000	360000	1600	2.4	120	2.2	120	2.3	110	1.9	120	2.0	130	2.0	130	2.3	120	2.9	2.9	2.9	2.9
Cadmium	mg/kg-dry	37	800	7.5	0.12	0.95	0.12	0.88	0.21	0.91	0.16	0.78	0.12	0.80	0.15	0.90	1.1	1.2	1.2	1.2	1.2	1.2
Chromium	mg/kg-dry	120000	1000000	2000000000	15	2.4	15	2.2	14	2.3	14	1.9	18	2.0	15	2.3	32	2.9	2.9	2.9	2.9	2.9
Lead	mg/kg-dry	400	1000	270	17	2.4	15	2.2	15	2.3	11	1.9	15	2.0	16	2.3	69	2.9	2.9	2.9	2.9	2.9
Selenium	mg/kg-dry	390	10000	5.2	1.9	2.4	1.7	2.2	1.5	2.3	1.2	1.9	1.8	2.0	1.5	2.3	9.1	2.9	2.9	2.9	2.9	2.9
Silver	mg/kg-dry	390	10000	31	0.044	2.4	0.022	2.2	0.017	2.3	0.0081	1.9	0.031	2.0	0.025	2.3	0.12	2.9	2.9	2.9	2.9	2.9
Mercury	mg/kg-dry	23	610	2.1	0.044	0.016	0.049	0.017	0.040	0.016	0.034	0.017	0.044	0.017	0.054	0.016	0.24	0.019	0.019	0.019	0.019	0.019

Notes: Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the Residential De Minimis value.

Result exceeds the Industrial De Minimis value.

Result exceeds the Migration to Groundwater value.

Reporting limit exceeds the most restrictive De Minimis value.

ND - Not Detected above the Reporting limit.  
 NV - No value established by De Minimis Table, will be determined by Risk Assessment.  
 J - Estimated Value



Table 8. VOC Concentrations in Groundwater  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	units	De Minimis				TMW-1				TMW-2				TMW-3				TMW-4				TMW-4 FD			
		Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL	Result Q	RL		
1,1,1-Trichloroethane	µg/L	200	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
1,1,2,2-Tetrachloroethane	µg/L	0.067	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
1,1,2-Trichloroethane	µg/L	5	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
1,1-Dichloroethane	µg/L	2.4	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
1,1-Dichloroethane	µg/L	7	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
1,2-Dichloroethane	µg/L	5	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
1,2-Dichloropropane	µg/L	5	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	
1,3-Dichloropropane	µg/L		ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	
2-Butanone	µg/L	7100	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	
2-Hexanone	µg/L		ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	
4-Methyl-2-pentanone	µg/L	2000	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	
Acetone	µg/L	22000	ND	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND	20	ND	20	
Benzene	µg/L	5	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Bromodichloromethane	µg/L	0.12	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Bromoform	µg/L	8.5	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Bromomethane	µg/L	8.7	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Carbon disulfide	µg/L	1000	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.5	
Carbon tetrachloride	µg/L	5	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Chlorobenzene	µg/L	100	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Chloroethane	µg/L	21000	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Chloroform	µg/L	0.19	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Chloromethane	µg/L	190	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
cis-1,2-Dichloroethene	µg/L	70	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
cis-1,3-Dichloropropene	µg/L		ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Dibromochloromethane	µg/L		ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Ethylbenzene	µg/L	700	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
m,p-Xylene	µg/L		ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	
Methylene chloride	µg/L	5	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	
o-Xylene	µg/L		ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Styrene	µg/L	100	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Tetrachloroethene	µg/L	5	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	ND	2.0	
Toluene	µg/L	1000	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
trans-1,2-Dichloroethene	µg/L	100	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
trans-1,3-Dichloropropene	µg/L		ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Trichloroethene	µg/L	5	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Vinyl chloride	µg/L	2	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	
Xylenes, Total	µg/L	10000	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	ND	3.0	

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the De Minimis value.

Reporting limit exceeds the De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assessment.

J - Estimated Value



Table 9. PAH Concentrations in Groundwater  
 Johns Manville-Riverside Parcels  
 VRP # 11966

Analyte	units	De Minimis				TMW-1				TMW-2				TMW-3				TMW-4				TMW-4 FD					
		Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL		
Acenaphthene	µg/L	370		0.060	ND		0.060		0.060	ND		0.060		0.060	ND		0.060		0.060	ND		0.060		0.060	ND		0.060
Acenaphthylene	µg/L	370		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080
Anthracene	µg/L	11000		0.060	ND		0.060		0.060	ND		0.060		0.060	ND		0.060		0.060	ND		0.060		0.060	ND		0.060
Benzo(a)anthracene	µg/L	0.029		0.040	ND		0.040		0.040	ND		0.040		0.040	ND		0.040		0.040	ND		0.040		0.040	ND		0.040
Benzo(a)pyrene	µg/L	0.2		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080
Benzo(b)fluoranthene	µg/L	0.029		0.090	ND		0.090		0.090	ND		0.090		0.090	ND		0.090		0.090	ND		0.090		0.090	ND		0.090
Benzo(b-k)fluoranthene	µg/L			0.11	ND		0.11		0.11	ND		0.11		0.11	ND		0.11		0.11	ND		0.11		0.11	ND		0.11
Benzo(g,h,i)perylene	µg/L	1100		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080
Benzo(k)fluoranthene	µg/L	0.29		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050
Benzo(a,h)anthracene	µg/L	0.0029		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080
Chrysene	µg/L	2.9		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050
Dibenzo(a,h)anthracene	µg/L	0.0029		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080
Fluoranthene	µg/L	1500		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070
Fluorene	µg/L	240		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050
Indeno(1,2,3-cd)pyrene	µg/L	0.029		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070
Naphthalene	µg/L	0.14		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070		0.070	ND		0.070
Phenanthrene	µg/L	11000		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080		0.080	ND		0.080
Pyrene	µg/L	180		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050		0.050	ND		0.050

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the De Minimis value.

Reporting limit exceeds the De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assessment.

J - Estimated Value

**Table 10. RCRA 8 Metals Concentrations in Groundwater  
Johns Manville-Riverside Parcels  
VRP # 11966**

Analyte	units	De Minimis	TMW-1		TMW-2		TMW-3		TMW-4		TMW-4 FD			
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL		
Arsenic	µg/L	10	ND	5.0	3.4	J	5.0	28	5.0	ND	5.0	0.86	J	5.0
Barium	µg/L	2000	48	5.0	140		5.0	960	5.0	110	5.0	110		5.0
Cadmium	µg/L	5	0.11	J	0.14	J	2.0	0.24	J	0.72	J	0.51	J	2.0
Chromium	µg/L	55000	0.35	J	1.4	J	5.0	6.4	5.0	1.3	J	0.4	J	5.0
Lead	µg/L	15	0.16	J	0.073	J	5.0	0.26	J	25.0	ND	ND	25.0	25.0
Selenium	µg/L	50	ND	5.0	2	J	5.0	ND	5.0	0.97	J	0.86	J	5.0
Silver	µg/L	180	ND	5.0	ND		5.0	ND	5.0	ND	5.0	ND		5.0
Mercury	µg/L	2	ND	0.2	ND		0.2	ND	0.2	ND	0.2	ND		0.2

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

Result exceeds the De Minimis value.

Reporting limit exceeds the De Minimis value.

ND - Not Detected above the Reporting limit.

NV - No value established by De Minimis Table, will be determined by Risk Assessment.

J - Estimated Value

**Table 11. Arsenic Background Concentrations in Surface Soil  
Johns Manville-Riverside Parcels  
VRP # 11966**

Analyte	Units	Residential DeMinimis	Industrial DeMinimis	Migration to Groundwater	Sample ID and Depth bgs																																
					BG-1 (0-2')			BG-1 FD (0-2')			BG-2 (0-2')			BG-3 (0-2')			BG-4 (0-2')			BG-5 (0-2')			BG-6 (0-2')			BG-7 (0-2')			BG-8 (0-2')			BG-9 (0-2')			BG-10 (0-2')		
					Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q	RL			
Arsenic	mg/Kg-dry	0.39	27	5.8	7.1	Q	2.2	6.9	Q	2.3	7.3	Q	2	7.2	Q	2.0	6.1	Q	2.1	6.6	Q	2.0	6.3	Q	2.1	17	Q	2.0	7.8	Q	2.5	10	Q	2.3	12	Q	2.4

Notes:

Comparison values taken from Table §60-3B, De Minimis Table - effective 5/1/12

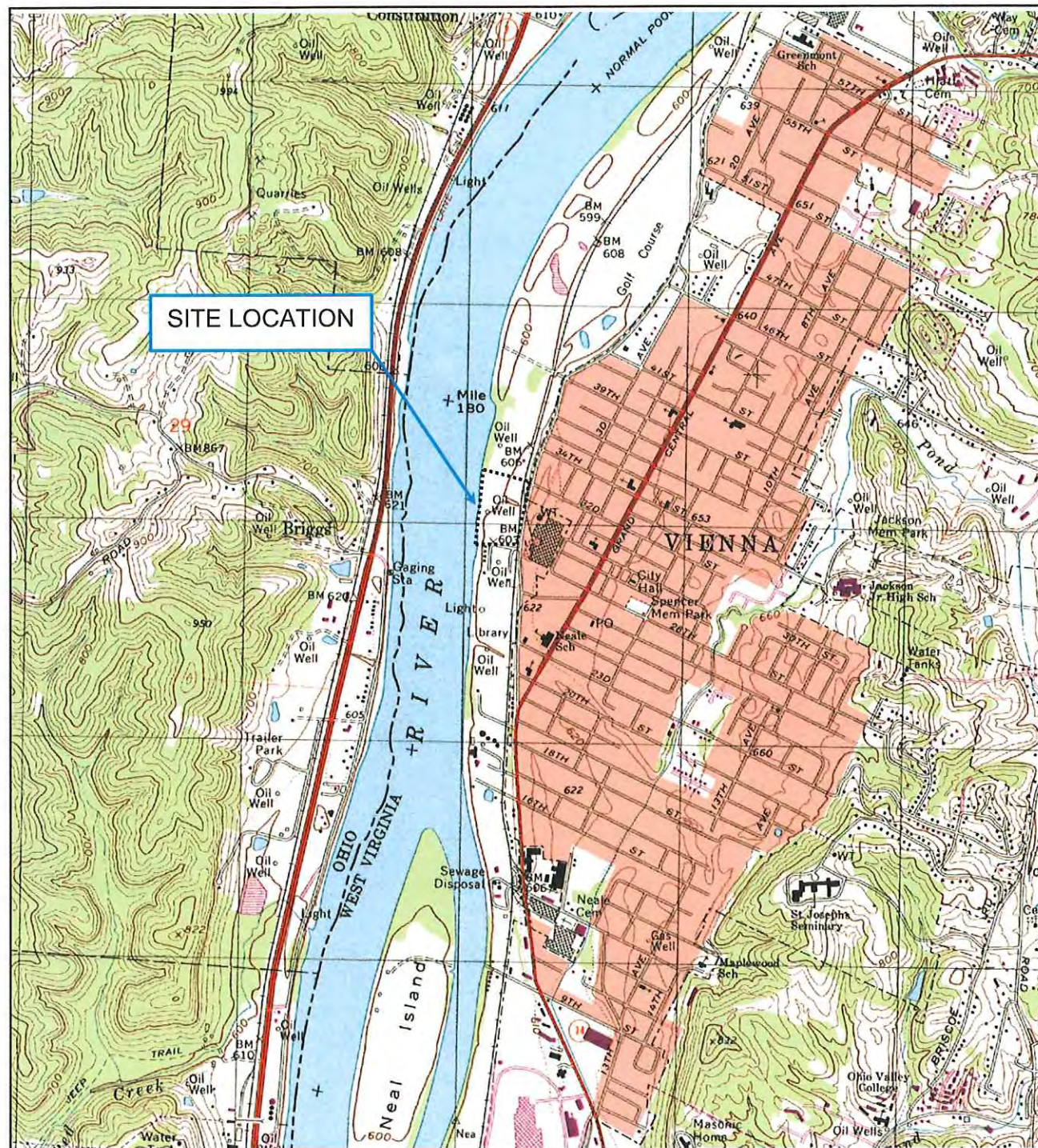
Result exceeds the Residential De Minimis value.


Result exceeds the Migration to Groundwater value.



**FIGURES**





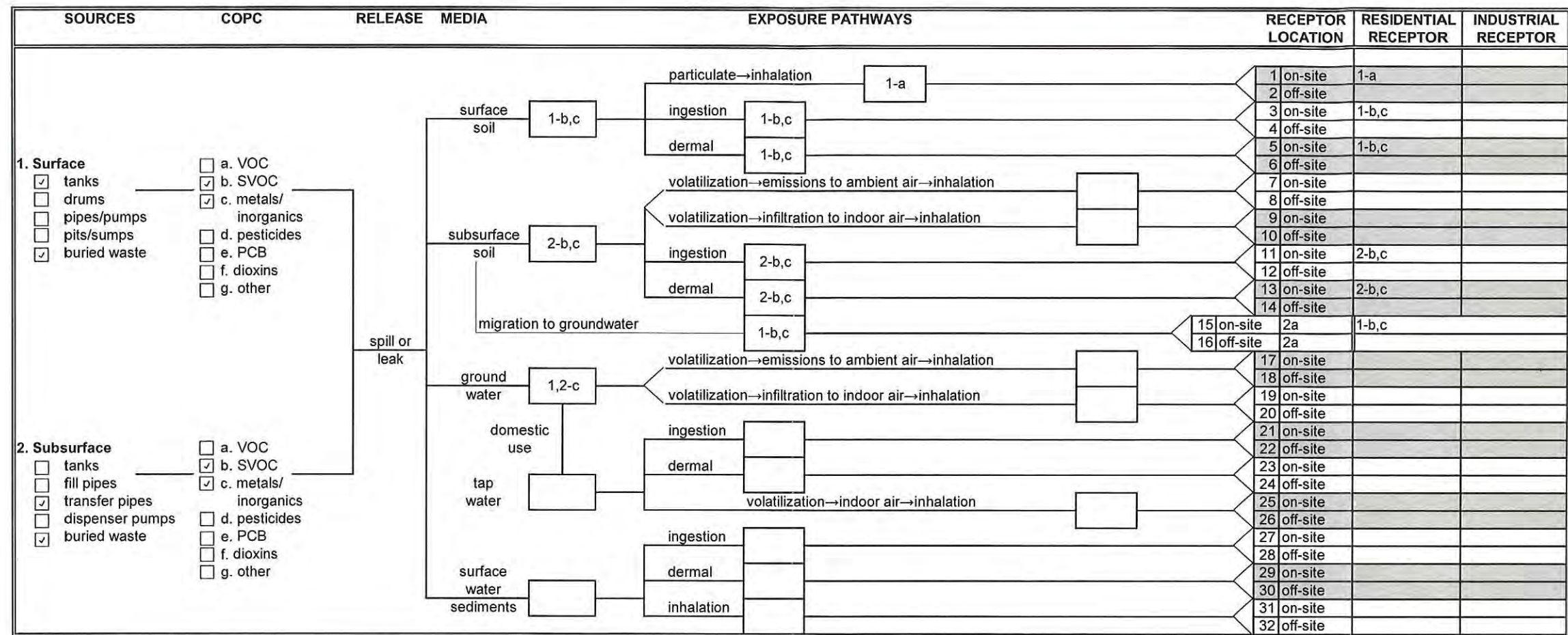
<p>SOURCE: USGS Parkersburg</p>	<p><b>Johns Manville – Riverside Parcels</b> 1<sup>st</sup> Avenue Vienna, Wood County, WV – VRP 11966 <b>SITE LOCATION MAP</b></p>	 <p>TRIAD ENGINEERING, INC. www.triadeng.com</p>
<p>DATE: 1994</p>	<p>TRIAD PROJECT NO: 04-13-0402</p>	





SOURCE: USDA Aerial Photo	<b>John's Manville – Riverside Parcels</b> 1 <sup>st</sup> Avenue Vienna, Wood County, WV <b>AERIAL PHOTOGRAPH</b>	 <b>TRIAD</b> TRIAD ENGINEERING, INC. <a href="http://www.triadeng.com">www.triadeng.com</a>
DATE: 2012	TRIAD PROJECT NO: 04-13-0402	



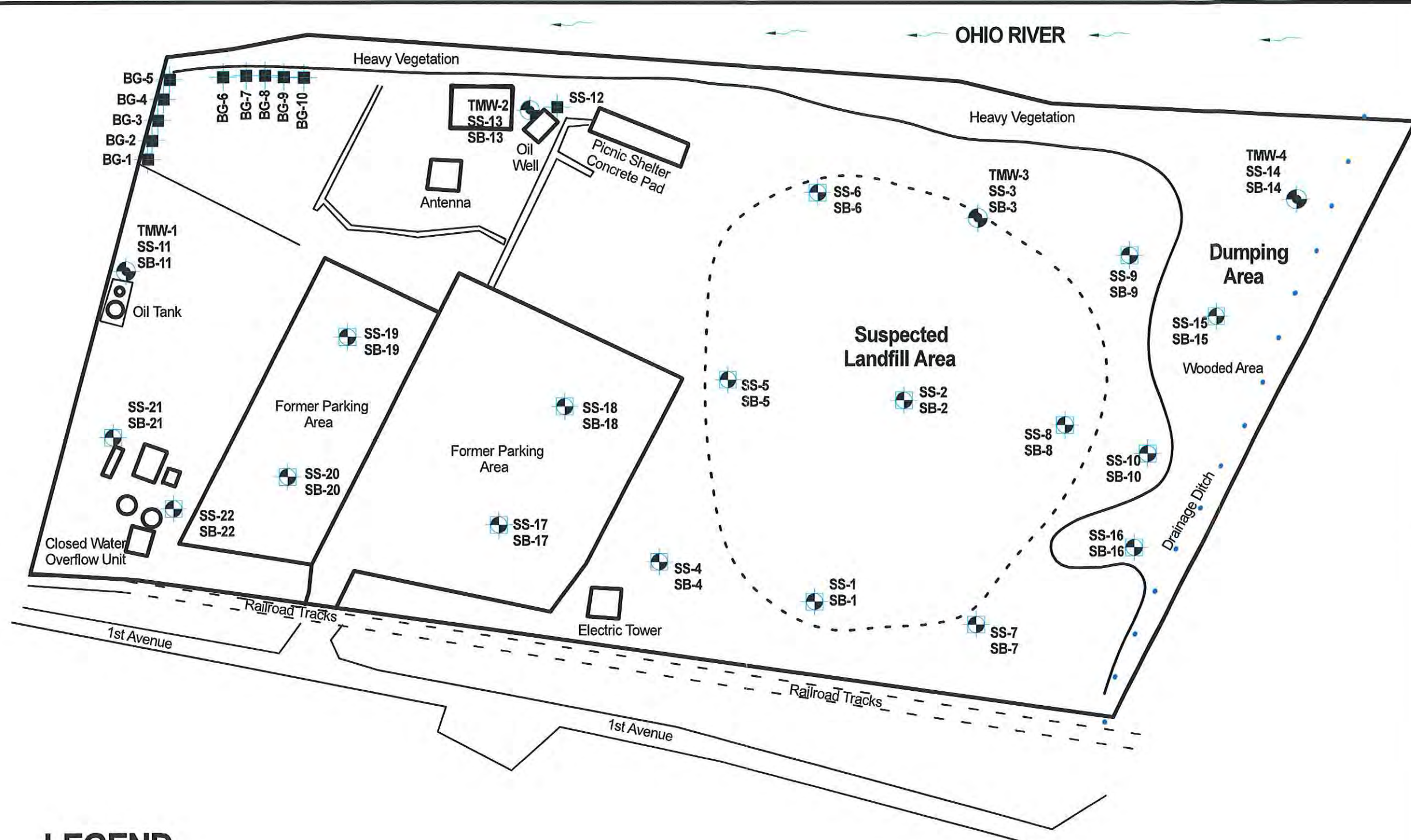


**CONCEPTUAL SITE MODEL**  
 John's Manville - Riverside Parcels  
 1st Avenue  
 Vienna, Wood County, WV  
 VRP# 11966





Figure No.	PREPARED MW
3	DATE: 12-19-13

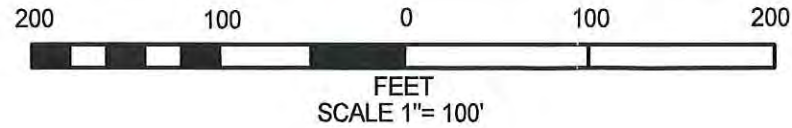
**TRIAD ENGINEERING, INC.**  
 ST. ALBANS & MORGANTOWN, WV  
 WINCHESTER, HARRISONBURG, VA  
 PURCELLVILLE, VA  
 HAGARSTOWN, MD





**LEGEND**

-  SURFACE & SUBSURFACE SOIL SAMPLE
-  SUBSURFACE SOIL & GROUNDWATER SAMPLE
-  SURFACE SOIL SAMPLE
-  FLOW DIRECTION



**TRIAD ENGINEERING, INC.**  
 4980 TEAYS VALLEY ROAD  
 SCOTT DEPOT, WV 25560  
 PH: 304.755.0721 FAX: 304.755.1880

OFFICE LOCATIONS  
 MARYLAND - PENNSYLVANIA - VIRGINIA - WEST VIRGINIA - OHIO

CADD FILE:  
 JOB NO:  
 04-13-0402

DRAWN BY:  
 MCW  
 CHECKED BY:  
 HAM

DATE:  
 03/05/2014  
 SCALE:  
 1" = 100'

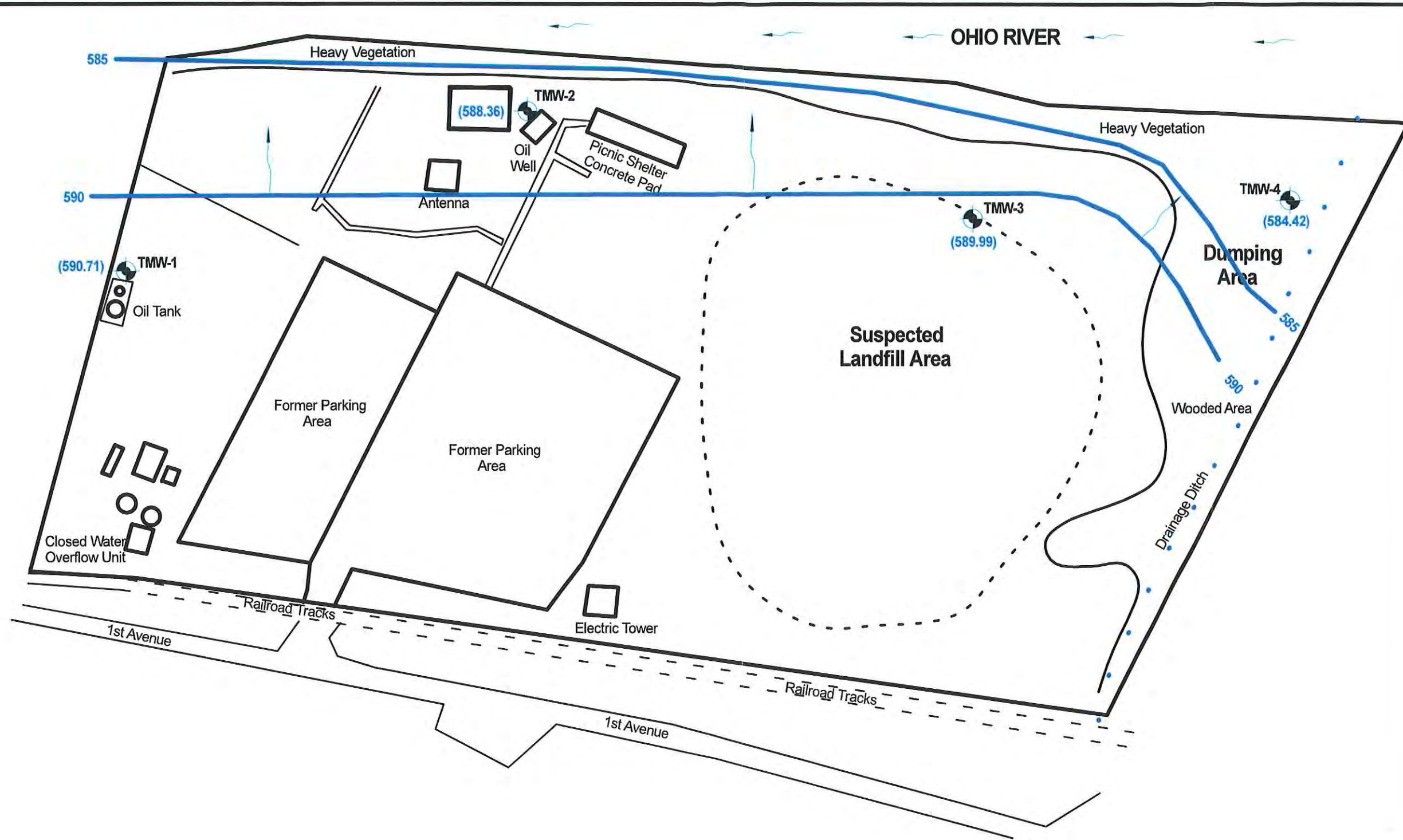
JOHNS MANVILLE VRP #11966  
 Riverside Parcels  
 1st Avenue, Vienna, WV

**SAMPLE LOCATION MAP**





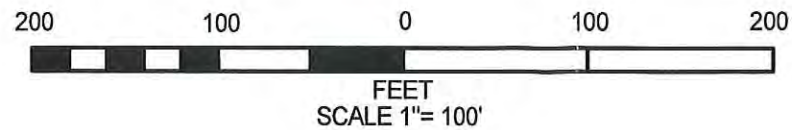
FIGURE NUMBER:  
**4**





**LEGEND**

-  SUBSURFACE SOIL & GROUNDWATER SAMPLE
-  FLOW DIRECTION



**TRIAD ENGINEERING, INC.**

4980 TEAYS VALLEY ROAD  
SCOTT DEPOT, WV 25560  
PH: 304.755.0721 FAX: 304.755.1880

OFFICE LOCATIONS  
MARYLAND - PENNSYLVANIA - VIRGINIA - WEST VIRGINIA - OHIO

CADD FILE:

JOB NO:  
04-13-0402

DRAWN BY:  
MCW

CHECKED BY:  
PMD

DATE:  
12/23/2013

SCALE:  
1" = 100'

JOHNS MANVILLE VRP #11966  
Riverside Parcels  
1st Avenue, Vienna, WV

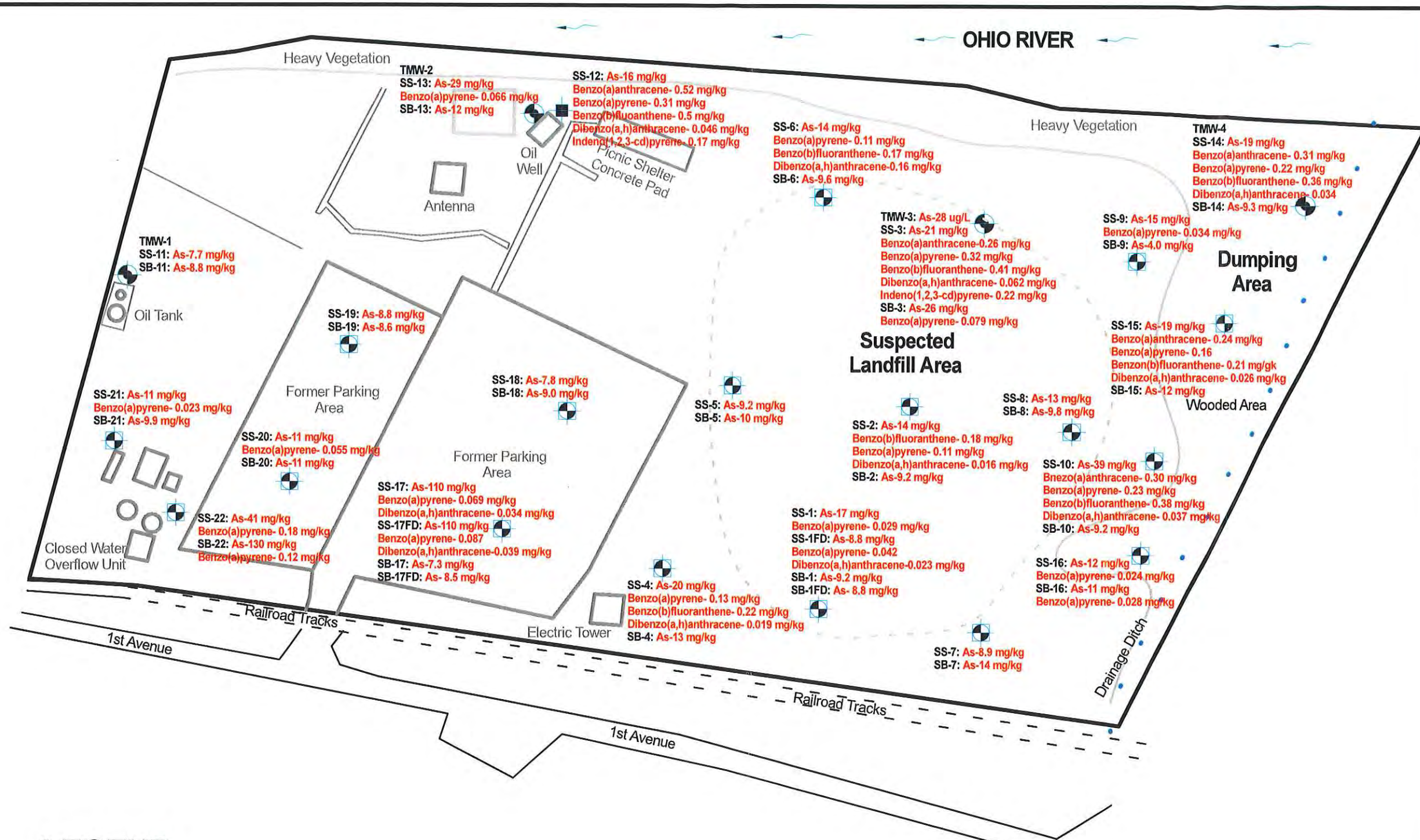
**POTENTIOMETRIC SURFACE MAP**  
**11/20/2013**



FIGURE NUMBER:

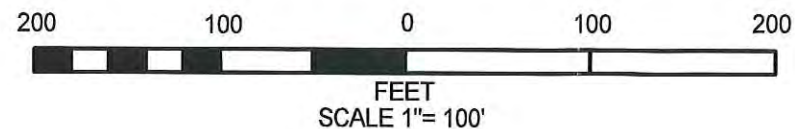
**5**





**LEGEND**

- SURFACE & SUBSURFACE SOIL SAMPLE
- SUBSURFACE SOIL & GROUNDWATER SAMPLE
- SURFACE SOIL SAMPLE
- FLOW DIRECTION



**TRIAD ENGINEERING, INC.**

4980 TEAYS VALLEY ROAD  
SCOTT DEPOT, WV 25560  
PH: 304.755.0721 FAX: 304.755.1880

OFFICE LOCATIONS  
MARYLAND - PENNSYLVANIA - VIRGINIA - WEST VIRGINIA - OHIO

CADD FILE:	JOB NO: 04-13-0402	CHECKED BY: MCW	SCALE: 1" = 100'
	DRAWN BY: MCW	DATE: 12/23/2013	

JOHNS MANVILLE VRP #11966  
Riverside Parcels  
1st Avenue, Vienna, WV

**CONTAMINANT DISTRIBUTION MAP**



FIGURE NUMBER:  
**6**

**APPENDIX 1**

**Boring Logs**



Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-1**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Topsoil		0	SS-1	
		Fiberglass		0		
		Brown <u>SILTY CLAY</u> , moist with no odor		0	SB-1	
				0		
5				0		
				0		
10				0		
		Bottom of Test Boring at 12.0 ft.				
15						
20						

Completion Depth:	12	Remarks:
Date Started:	11/19/2013	SS-1 FD
Date Completed:	11/19/2013	SB-1 FD
Engineer/Geologist:	BAF	
Driller:	Triad	

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.



Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-3**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Topsoil		0	SS-3	
		Glass		0		
				0		
5		Brown <b>SANDY CLAY</b> , wet		0		
		Fiberglass		0		
				0		
10		Grey <b>SANDY CLAY</b> , wet, no odor		0		
				0		
		Glass		0		
15				0		
		Bottom of Test Boring at 16.0 ft.				
20						

Completion Depth: 16  
 Date Started: 11/20/2013  
 Date Completed: 11/20/2013  
 Engineer/Geologist: BAF  
 Driller: Triad

Remarks:

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.





Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-5**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Topsoil			SS-5	
5		Brown <b>SANDY CLAY</b> , moist, no odor				
10					SB-5	
15						
		Bottom of Test Boring at 16.0 ft.				
20						

Completion Depth: 16  
 Date Started: 11/19/2013  
 Date Completed: 11/19/2013  
 Engineer/Geologist: BAF  
 Driller: Triad

Remarks:

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.





Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-7**

Project Number:04-13-0402

Location: N 39 20' 53.58" W 80 02' 22.45"  
Well Elevation:

Depth, feet	Symbol/USCS	Lithologic Description	PID (ppm)	Sample ID	Observations
		Topsoil	0	SS-7	
		Brown <u>SANDY CLAY</u> , moist, no odor	0		
5		Grey <u>SANDY CLAY</u> , moist, no odor	0	SB-7	
10		Grey to brown <u>SANDY CLAY</u> , no odor, moist	0		
		Bottom of Test Boring at 12.0			
15					
20					

Completion Depth: 12  
 Date Started: 11/19/2013  
 Date Completed: 11/19/2013  
 Engineer/Geologist: BAF  
 Driller: Triad

Remarks:

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.

Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-8**

Project Number:04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
				0		
		Topsoil		0		
		Brown <b>CLAY</b> with glass, no odor		0	SS-8	
		Brown <b>CLAY</b> with fiberglass insulation, no odor		0		
5				0		
10		No Recovery				
15						
				0	SB-8	
		Brown <b>SANDY CLAY</b> , moist, no odor		0		
20				0		
		Bottom of Test Boring at 20.0 ft.				

Completion Depth:	20	Remarks:
Date Started:	11/20/2013	
Date Completed:	11/20/2013	
Engineer/Geologist:	BAF	
Driller:	Triad	

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.

Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-9**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
				0		
		Topsoil		0	SS-9	
		Brown <b>CLAY</b> with glass		0		
		Fiberglass		0		
5		Grey <b>SANDY CLAY</b> , moist no odor		0		
				0	SB-9	
		Bottom of Test Boring at 8.0 ft.				
10						
15						
20						

Completion Depth:	8	Remarks:
Date Started:	11/20/2013	
Date Completed:	11/20/2013	
Engineer/Geologist:	BAF	
Driller:	Triad	

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.



Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-10**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Topsoil		0		
		Brown <b>CLAY</b> with rock and glass fragments, moist, no odor		0	SS-10	
5		No Recovery				
10						
15		Brown <b>CLAY</b> , very moist, no odor		0	SB-10	
				0		
		Bottom of Test Boring at 16 ft.		0		
20						

Completion Depth:	16	Remarks:
Date Started:	11/20/2013	
Date Completed:	11/20/2013	
Engineer/Geologist:	BAF	
Driller:	Triad	

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.

Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-11**

Project Number:04-13-0402

Location: N 39 20' 53.58" W 80 02' 22.45"  
Well Elevation: 100.00'

Depth, feet	Symbol/USCS	Lithologic Description	PID (ppm)	Sample ID	Observations
		Topsoil	0		
		Brown <b>SAND</b> , no odor	0		
5		Brown <b>CLAY</b> with trace sand, no odor	0	SS-11	
10		Brown <b>SANDY CLAY</b> , with brick, wet, no odor	0	SB-11	
15			0		
		Bottom of Test Boring at 16.0 ft.			
20					

Completion Depth:	16
Date Started:	11/19/2013
Date Completed:	11/19/2013
Engineer/Geologist:	BAF
Driller:	Triad

Remarks:

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.

Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-12**

Project Number:04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"	PID (ppm)	Sample ID	Observations
		Well Elevation:			
		Topsoil	0	SS-12	
5		No Recovery			
10		Refusal at 10.0 ft.			
15					
20					

Completion Depth: 10  
 Date Started: 11/19/2013  
 Date Completed: 11/19/2013  
 Engineer/Geologist: BAF  
 Driller: Triad

Remarks:

The stratification lines represent approximate strata boundaries.



Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-13**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation: 100.00'				
Lithologic Description						
		Topsoil		0	SS-13	
5		No recovery				
10						
15		Grey <b>CLAY</b> with glass fragments and fiberglass, no odor		0	SB-13	
20		Grey <b>CLAY</b> , wet, no odor		0		
		Bottom of Test Boring at 20.0 ft.				

Completion Depth: 20  
 Date Started: 11/19/2020  
 Date Completed: 11/19/2020  
 Engineer/Geologist: BAF  
 Driller: Triad

Remarks:

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.

Project Name: Johns Manville Riverside Parcels  
 Project Number: 04-13-0402



**BORING LOG  
B-14**

Depth, feet	Symbol/USCS	Location: N 39 20' 53.58" W 80 02' 22.45"		PID (ppm)	Sample ID	Observations
		Well Elevation: 100.00'				
		Lithologic Description				
		Topsoil		0	SS-14	
		Concrete		0		
5		Brown <b>CLAY</b> , moist, no odor		0		
10		Grey to brown <b>SANDY CLAY</b> , no odor, moist		0	SB-14	
		Bottom of Test Boring at 12.0		0		
15						
20						

Completion Depth:	12	Remarks: SB MS/MSD
Date Started:	11/20/2013	
Date Completed:	11/20/2013	
Engineer/Geologist:	BAF	
Driller:	Triad	

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.

Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-15**

Project Number: 04-13-0402


Depth, feet	Symbol/USCS	Location: N 39 19' 45.3" W 81 33' 18.7"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Topsoil		0		
		Brown <b>CLAY</b> , moist, no odor		0	SS-15	
				0		
5				0		
				0		
				0		
		Grey to brown <b>SANDY CLAY</b> , no odor, moist		0	SB-15	
				0		
10				0		
				0		
				0		
		Bottom of Test Boring at 12.0				
15						
20						

Completion Depth:	12	Remarks:
Date Started:	11/20/2013	
Date Completed:	11/20/2013	
Engineer/Geologist:	BAF	
Driller:	Triad	

The stratification lines represent approximate strata boundaries.





Project Name: Johns Manville Riverside Parcels				BORING LOG B-17	
Project Number: 04-13-0402					
Depth, feet	Symbol/USCS	Location: N 39 19' 38.12" W 81 33' 16.35" Well Elevation:		PID (ppm)	Sample ID
		Lithologic Description			
		Asphalt		0	SS-17
		Brown <b>SILTY SAND</b>		0	
		Fill with glass, pea gravel, and brick fragments, wet		0	
5				0	
		Glass <b>FILL</b> , wet		0	
10				0	
		Brown <b>SILTY CLAY</b> , gray staining		0	SB-17
15				0	
		Bottom of Test Boring at 15 ft.			
20					
Completion Depth: 15		Remarks:			
Date Started: 2/14/2014					
Date Completed: 2/14/2014					
Engineer/Geologist: BAF					
Driller: Triad					

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.



Project Name: Johns Manville Riverside Parcels  
 Project Number: 04-13-0402




**BORING LOG  
B-18**

Depth, feet	Symbol/USCS	Location: N 39 19' 38.28" W 81 33' 16.98"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Asphalt		0	SS-18	
5		Brown <u>SILTY CLAY</u> , slightly moist		0		
10		Brown <u>SAND</u> , gray staining		0	SB-16	
15		Bottom of Test Boring at 15 ft.		0		
20						

Completion Depth: 15 | Remarks:  
 Date Started: 2/14/2014  
 Date Completed: 2/14/2014  
 Engineer/Geologist: BAF  
 Driller: Subsurface, Inc.

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.

Project Name: Johns Manville Riverside Parcels				BORING LOG B-19		
Project Number: 04-13-0402						
Depth, feet	Symbol/USCS	Location: N 39 19' 37.10" W 81 33' 17.71" Well Elevation:		PID (ppm)	Sample ID	Observations
		Lithologic Description				
		Asphalt		0	SS-19	
		Brown <u>SILTY CLAY</u> , slightly moist		0		
				0		
				0		
5				0		
				0		
		Brown <u>SAND</u> , fine grain, saturated		0	SB-19	
				0		
				0		
10				0		
				0		
		Bottom of Test Boring at 15 ft.		0		
				0		
				0		
				0		
15				0		
				0		
				0		
				0		
				0		
20				0		
				0		
Completion Depth: 15		Remarks:				
Date Started: 2/14/2014						
Date Completed: 2/14/2014						
Engineer/Geologist: BAF						
Driller: Subsurface, Inc.						

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.



Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-20**

Project Number: 04-13-0402

Depth, feet	Symbol/USCS	Location: N 39 19' 36.72" W 81 33' 16.98"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Lithologic Description				
		Asphalt with gravel base		0	SS-20	
		Brown <b>SILTY CLAY</b> , with fine sand and some glass		0		
				0		
5				0		
				0		
		<b>FILL</b> , with sand, gravel, and glass, saturated		0		
				0		
10				0		
				0		
		Brown <b>SILTY CLAY</b> , slightly moist		0	SB-20	
				0		
15				0		
				0		
		Bottom of Test Boring at 17 ft.				
				0		
20				0		
				0		

Completion Depth: 17  
 Date Started: 2/14/2014  
 Date Completed: 2/14/2014  
 Engineer/Geologist: BAF  
 Driller: Subsurface, Inc.

Remarks:

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.

Project Name: Johns Manville Riverside Parcels



**BORING LOG  
B-21**

Project Number: 04-13-0402


Depth, feet	Symbol/USCS	Location: N 39 19' 34.37" W 81 33' 16.55"		PID (ppm)	Sample ID	Observations
		Well Elevation:				
		Lithologic Description				
		TOPSOIL		0	SS-21	
		Brown <b>SILTY CLAY</b> , with glass, brick, fiberglass, and sand		0		
5		Gray and brown <b>SILTY CLAY</b> , with fiberglass, wet		0		
		No Recovery		0		
10		Brown <b>SILTY CLAY</b> , slightly moist		0		
15				0	SB-21	
				0		
20				0		
Bottom of Test Boring at 20 ft.						

Completion Depth: 20  
 Date Started: 2/14/2014  
 Date Completed: 2/14/2014  
 Engineer/Geologist: BAF  
 Driller: Subsurface, Inc.

Remarks:

The stratification lines represent approximate strata boundaries.  
 Transition may be gradual.



Project Name: Johns Manville Riverside Parcels				BORING LOG B-22	
Project Number: 04-13-0402					
Depth, feet	Symbol/USCS	Location: N 39 19' 39.19" W 81 33' 15.96"		PID (ppm)	Sample ID
		Well Elevation:			
		Lithologic Description			
		TOPSOIL		0	SS-22
		Brown <u>SILTY CLAY</u> , slightly moist		0	
				0	
5		<u>FILL</u> with gravel, glass, and sand		0	SB-22
		Brown <u>SILTY CLAY</u> , slightly moist		0	
				0	
10		Bottom of Test Boring at 10 ft.		0	
15					
20					
Completion Depth: 10		Remarks:			
Date Started: 2/14/2014					
Date Completed: 2/14/2014					
Engineer/Geologist: BAF					
Driller: Subsurface, Inc.					

The stratification lines represent approximate strata boundaries.  
Transition may be gradual.

**APPENDIX 2**  
**Laboratory Reports**





27-Feb-2014

Matthew Wright  
Triad Engineering, Inc.  
4980 Teays Valley Road  
Scott Depot, WV 25560

Re: **John's Manville - Riverside Parcels**

Work Order: **1402737**

Dear Matthew,

ALS Environmental received 26 samples on 18-Feb-2014 07:45 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 77.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Rebecca Kiser

Rebecca Kiser  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

ALS Environmental, 10000 West 10th Avenue, Suite 100, Golden, CO 80401, USA  
Phone: 303.440.9300, Fax: 303.440.9301, Email: info@alsglobal.com

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Work Order: 1402737

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1402737-01	SS-17	Soil		2/14/2014 10:15	2/18/2014 07:45	<input type="checkbox"/>
1402737-02	SS-17 FD	Soil		2/14/2014 10:15	2/18/2014 07:45	<input type="checkbox"/>
1402737-03	SB-17	Soil		2/14/2014 10:30	2/18/2014 07:45	<input type="checkbox"/>
1402737-04	SB-17 FD	Soil		2/14/2014 10:30	2/18/2014 07:45	<input type="checkbox"/>
1402737-05	SS-19 with MS/MSD	Soil		2/14/2014 11:15	2/18/2014 07:45	<input type="checkbox"/>
1402737-06	SB-20 with MS/MSD	Soil		2/14/2014 12:00	2/18/2014 07:45	<input type="checkbox"/>
1402737-07	BG-1	Soil		2/14/2014 15:00	2/18/2014 07:45	<input type="checkbox"/>
1402737-08	BG-1 FD	Soil		2/14/2014 15:00	2/18/2014 07:45	<input type="checkbox"/>
1402737-09	BG-2 with MS/MSD	Soil		2/14/2014 15:10	2/18/2014 07:45	<input type="checkbox"/>
1402737-10	SS-18	Soil		2/14/2014 10:45	2/18/2014 07:45	<input type="checkbox"/>
1402737-11	SS-20	Soil		2/14/2014 11:45	2/18/2014 07:45	<input type="checkbox"/>
1402737-12	SS-21	Soil		2/14/2014 11:30	2/18/2014 07:45	<input type="checkbox"/>
1402737-13	SS-22	Soil		2/14/2014 14:00	2/18/2014 07:45	<input type="checkbox"/>
1402737-14	SB-18	Soil		2/14/2014 11:00	2/18/2014 07:45	<input type="checkbox"/>
1402737-15	SB-19	Soil		2/14/2014 11:30	2/18/2014 07:45	<input type="checkbox"/>
1402737-16	SB-21	Soil		2/14/2014 13:45	2/18/2014 07:45	<input type="checkbox"/>
1402737-17	SB-22	Soil		2/14/2014 14:15	2/18/2014 07:45	<input type="checkbox"/>
1402737-18	BG-3	Soil		2/14/2014 15:20	2/18/2014 07:45	<input type="checkbox"/>
1402737-19	BG-4	Soil		2/14/2014 15:30	2/18/2014 07:45	<input type="checkbox"/>
1402737-20	BG-5	Soil		2/14/2014 15:40	2/18/2014 07:45	<input type="checkbox"/>
1402737-21	BG-6	Soil		2/14/2014 15:50	2/18/2014 07:45	<input type="checkbox"/>
1402737-22	BG-7	Soil		2/14/2014 16:00	2/18/2014 07:45	<input type="checkbox"/>
1402737-23	BG-8	Soil		2/14/2014 16:10	2/18/2014 07:45	<input type="checkbox"/>
1402737-24	BG-9	Soil		2/14/2014 16:20	2/18/2014 07:45	<input type="checkbox"/>
1402737-25	BG-10	Soil		2/14/2014 16:30	2/18/2014 07:45	<input type="checkbox"/>
1402737-26	Trip Blank	Water		2/14/2014	2/18/2014 07:45	<input type="checkbox"/>



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**Client:** Triad Engineering, Inc.  
**Project:** John's Manville - Riverside Parcels  
**Work Order:** 1402737

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**Case Narrative**

Batch 55964, Method VOC\_8260\_S, Sample 1402737-05A MSD: The RPD between the MS and MSD was outside the control limit. The corresponding result in the parent sample should be considered estimated for this analyte: Bromomethane

Batch 55964, Method VOC\_8260\_S, Sample MBLK-55964: B flagged attributed to known common lab contaminant (DCM). DCM hit is less than 5X the PQL, no qualification needed.

Batch 55977, Method ICP\_6020\_S, Sample 1402737-05BMS: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba

Batch 55983, Method ICP\_6020\_S, Sample 1402737-06B: The MS and/or MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: As

Batch 55983, Method ICP\_6020\_S, Sample 1402737-06B: The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. No qualification is required for this analyte: Ba

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 WorkOrder: 1402737

**QUALIFIERS,  
 ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCS/D	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
µg/L	Micrograms per Liter
mg/Kg-dry	Milligrams per Kilogram Dry Weight



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-17

Lab ID: 1402737-01

Collection Date: 2/14/2014 10:15 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.029		0.013	mg/Kg-dry	1	2/24/2014 03:57 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	110		2.0	mg/Kg-dry	5	2/22/2014 05:35 AM
Barium	210		2.0	mg/Kg-dry	5	2/22/2014 05:35 AM
Cadmium	2.4		0.81	mg/Kg-dry	5	2/22/2014 05:35 AM
Chromium	21		2.0	mg/Kg-dry	5	2/22/2014 05:35 AM
Lead	180		2.0	mg/Kg-dry	5	2/22/2014 05:35 AM
Selenium	6.8		2.0	mg/Kg-dry	5	2/22/2014 05:35 AM
Silver	ND		2.0	mg/Kg-dry	5	2/22/2014 05:35 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/24/14	Analyst: HL
Acenaphthene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Acenaphthylene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Anthracene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(a)anthracene	120		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(a)pyrene	69		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(b)fluoranthene	83		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(b-k)fluoranthene	ND		140	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(e)pyrene	ND		210	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(g,h,i)perylene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Benzo(k)fluoranthene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Chrysene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Dibenzo(a,h)anthracene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Fluoranthene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Fluorene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Indeno(1,2,3-cd)pyrene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Naphthalene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Phenanthrene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Pyrene	ND		69	µg/Kg-dry	20	2/26/2014 01:02 AM
Surr: 2-Fluorobiphenyl	0	S	12-100	%REC	20	2/26/2014 01:02 AM
Surr: 4-Terphenyl-d14	64.0		25-137	%REC	20	2/26/2014 01:02 AM
Surr: Nitrobenzene-d5	44.0		37-107	%REC	20	2/26/2014 01:02 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
1,1,2,2-Tetrachloroethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
1,1,2-Trichloroethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
1,1-Dichloroethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
1,1-Dichloroethene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-17

Lab ID: 1402737-01

Collection Date: 2/14/2014 10:15 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
1,2-Dichloropropane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
2-Butanone	ND		210	µg/Kg-dry	1	2/22/2014 03:08 AM
2-Hexanone	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
4-Methyl-2-pentanone	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Acetone	ND		110	µg/Kg-dry	1	2/22/2014 03:08 AM
<b>Benzene</b>	<b>40</b>		<b>32</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>2/22/2014 03:08 AM</b>
Bromodichloromethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Bromoform	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Bromomethane	ND		79	µg/Kg-dry	1	2/22/2014 03:08 AM
Carbon disulfide	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Carbon tetrachloride	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Chlorobenzene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Chloroethane	ND		110	µg/Kg-dry	1	2/22/2014 03:08 AM
Chloroform	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Chloromethane	ND		110	µg/Kg-dry	1	2/22/2014 03:08 AM
cis-1,2-Dichloroethene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
cis-1,3-Dichloropropene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Dibromochloromethane	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
<b>Ethylbenzene</b>	<b>120</b>		<b>32</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>2/22/2014 03:08 AM</b>
<b>m,p-Xylene</b>	<b>470</b>		<b>63</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>2/22/2014 03:08 AM</b>
Methylene chloride	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
<b>o-Xylene</b>	<b>480</b>		<b>32</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>2/22/2014 03:08 AM</b>
Styrene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Tetrachloroethene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
<b>Toluene</b>	<b>350</b>		<b>32</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>2/22/2014 03:08 AM</b>
trans-1,2-Dichloroethene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
trans-1,3-Dichloropropene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Trichloroethene	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
Vinyl chloride	ND		32	µg/Kg-dry	1	2/22/2014 03:08 AM
1,2-Dichloroethene, Total	ND		63	µg/Kg-dry	1	2/22/2014 03:08 AM
1,3-Dichloropropene, Total	ND		63	µg/Kg-dry	1	2/22/2014 03:08 AM
<b>Xylenes, Total</b>	<b>960</b>		<b>95</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>2/22/2014 03:08 AM</b>
Surr: 1,2-Dichloroethane-d4	96.8		70-130	%REC	1	2/22/2014 03:08 AM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	2/22/2014 03:08 AM
Surr: Dibromofluoromethane	98.2		70-130	%REC	1	2/22/2014 03:08 AM
Surr: Toluene-d8	100		70-130	%REC	1	2/22/2014 03:08 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	4.9		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SS-17 FD  
 Collection Date: 2/14/2014 10:15 AM

Work Order: 1402737  
 Lab ID: 1402737-02  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.20		0.016	mg/Kg-dry	1	2/24/2014 04:00 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	110		1.9	mg/Kg-dry	5	2/22/2014 05:41 AM
Barium	620		1.9	mg/Kg-dry	5	2/22/2014 05:41 AM
Cadmium	1.9		0.77	mg/Kg-dry	5	2/22/2014 05:41 AM
Chromium	25		1.9	mg/Kg-dry	5	2/22/2014 05:41 AM
Lead	240		1.9	mg/Kg-dry	5	2/22/2014 05:41 AM
Selenium	ND		1.9	mg/Kg-dry	5	2/22/2014 05:41 AM
Silver	ND		1.9	mg/Kg-dry	5	2/22/2014 05:41 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/24/14	Analyst: HL
Acenaphthene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Acenaphthylene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Anthracene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(a)anthracene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(a)pyrene	87		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(b)fluoranthene	100		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(b-k)fluoranthene	ND		160	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(e)pyrene	ND		240	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(g,h,i)perylene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Benzo(k)fluoranthene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Chrysene	110		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Dibenzo(a,h)anthracene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Fluoranthene	79	J	79	µg/Kg-dry	20	2/26/2014 01:35 AM
Fluorene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Indeno(1,2,3-cd)pyrene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Naphthalene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Phenanthrene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Pyrene	ND		79	µg/Kg-dry	20	2/26/2014 01:35 AM
Surr: 2-Fluorobiphenyl	0	S	12-100	%REC	20	2/26/2014 01:35 AM
Surr: 4-Terphenyl-d14	80.0		25-137	%REC	20	2/26/2014 01:35 AM
Surr: Nitrobenzene-d5	52.0		37-107	%REC	20	2/26/2014 01:35 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-17 FD

Lab ID: 1402737-02

Collection Date: 2/14/2014 10:15 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
2-Butanone	ND		240	µg/Kg-dry	1	2/22/2014 03:34 AM
2-Hexanone	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Acetone	ND		120	µg/Kg-dry	1	2/22/2014 03:34 AM
Benzene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Bromoform	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Bromomethane	ND		91	µg/Kg-dry	1	2/22/2014 03:34 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Chloroethane	ND		120	µg/Kg-dry	1	2/22/2014 03:34 AM
Chloroform	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Chloromethane	ND		120	µg/Kg-dry	1	2/22/2014 03:34 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
m,p-Xylene	ND		73	µg/Kg-dry	1	2/22/2014 03:34 AM
Methylene chloride	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
o-Xylene	42		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Styrene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Toluene	53		36	µg/Kg-dry	1	2/22/2014 03:34 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Trichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	2/22/2014 03:34 AM
1,2-Dichloroethene, Total	ND		73	µg/Kg-dry	1	2/22/2014 03:34 AM
1,3-Dichloropropene, Total	ND		73	µg/Kg-dry	1	2/22/2014 03:34 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	2/22/2014 03:34 AM
Surr: 1,2-Dichloroethane-d4	97.2		70-130	%REC	1	2/22/2014 03:34 AM
Surr: 4-Bromofluorobenzene	97.0		70-130	%REC	1	2/22/2014 03:34 AM
Surr: Dibromofluoromethane	96.5		70-130	%REC	1	2/22/2014 03:34 AM
Surr: Toluene-d8	99.4		70-130	%REC	1	2/22/2014 03:34 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	18		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SB-17  
 Collection Date: 2/14/2014 10:30 AM

Work Order: 1402737  
 Lab ID: 1402737-03  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.044		0.016	mg/Kg-dry	1	2/25/2014 06:19 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	7.3		2.4	mg/Kg-dry	5	2/22/2014 05:47 AM
Barium	210		2.4	mg/Kg-dry	5	2/22/2014 05:47 AM
Cadmium	ND		0.95	mg/Kg-dry	5	2/22/2014 05:47 AM
Chromium	15		2.4	mg/Kg-dry	5	2/22/2014 05:47 AM
Lead	17		2.4	mg/Kg-dry	5	2/22/2014 05:47 AM
Selenium	ND		2.4	mg/Kg-dry	5	2/22/2014 05:47 AM
Silver	ND		2.4	mg/Kg-dry	5	2/22/2014 05:47 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/24/14	Analyst: HL
Acenaphthene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Acenaphthylene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Anthracene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(a)anthracene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(a)pyrene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(b)fluoranthene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(b-k)fluoranthene	ND		16	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(e)pyrene	ND		25	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(g,h,i)perylene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Benzo(k)fluoranthene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Chrysene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Dibenzo(a,h)anthracene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Fluoranthene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Fluorene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Indeno(1,2,3-cd)pyrene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Naphthalene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Phenanthrene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Pyrene	ND		8.2	µg/Kg-dry	1	2/25/2014 07:59 PM
Surr: 2-Fluorobiphenyl	62.6		12-100	%REC	1	2/25/2014 07:59 PM
Surr: 4-Terphenyl-d14	88.6		25-137	%REC	1	2/25/2014 07:59 PM
Surr: Nitrobenzene-d5	74.6		37-107	%REC	1	2/25/2014 07:59 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
1,1,2,2-Tetrachloroethane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
1,1,2-Trichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
1,1-Dichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
1,1-Dichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-17

Lab ID: 1402737-03

Collection Date: 2/14/2014 10:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	310		39	µg/Kg-dry	1	2/22/2014 04:00 AM
1,2-Dichloropropane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
2-Butanone	ND		260	µg/Kg-dry	1	2/22/2014 04:00 AM
2-Hexanone	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
4-Methyl-2-pentanone	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Acetone	ND		130	µg/Kg-dry	1	2/22/2014 04:00 AM
Benzene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Bromodichloromethane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Bromoform	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Bromomethane	ND		97	µg/Kg-dry	1	2/22/2014 04:00 AM
Carbon disulfide	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Carbon tetrachloride	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Chlorobenzene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Chloroethane	ND		130	µg/Kg-dry	1	2/22/2014 04:00 AM
Chloroform	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Chloromethane	ND		130	µg/Kg-dry	1	2/22/2014 04:00 AM
cis-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
cis-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Dibromochloromethane	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Ethylbenzene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
m,p-Xylene	ND		78	µg/Kg-dry	1	2/22/2014 04:00 AM
Methylene chloride	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
o-Xylene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Styrene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Tetrachloroethene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Toluene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
trans-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
trans-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Trichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
Vinyl chloride	ND		39	µg/Kg-dry	1	2/22/2014 04:00 AM
1,2-Dichloroethene, Total	ND		78	µg/Kg-dry	1	2/22/2014 04:00 AM
1,3-Dichloropropene, Total	ND		78	µg/Kg-dry	1	2/22/2014 04:00 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	2/22/2014 04:00 AM
Surr: 1,2-Dichloroethane-d4	95.3		70-130	%REC	1	2/22/2014 04:00 AM
Surr: 4-Bromofluorobenzene	99.8		70-130	%REC	1	2/22/2014 04:00 AM
Surr: Dibromofluoromethane	92.4		70-130	%REC	1	2/22/2014 04:00 AM
Surr: Toluene-d8	100		70-130	%REC	1	2/22/2014 04:00 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	23		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-17 FD

Lab ID: 1402737-04

Collection Date: 2/14/2014 10:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.049		0.017	mg/Kg-dry	1	2/25/2014 06:21 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	8.5		2.2	mg/Kg-dry	5	2/22/2014 05:53 AM
Barium	120		2.2	mg/Kg-dry	5	2/22/2014 05:53 AM
Cadmium	ND		0.88	mg/Kg-dry	5	2/22/2014 05:53 AM
Chromium	15		2.2	mg/Kg-dry	5	2/22/2014 05:53 AM
Lead	15		2.2	mg/Kg-dry	5	2/22/2014 05:53 AM
Selenium	ND		2.2	mg/Kg-dry	5	2/22/2014 05:53 AM
Silver	ND		2.2	mg/Kg-dry	5	2/22/2014 05:53 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/24/14	Analyst: HL
Acenaphthene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Acenaphthylene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Anthracene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(a)anthracene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(a)pyrene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(b)fluoranthene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(b-k)fluoranthene	ND		17	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(e)pyrene	ND		25	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(g,h,i)perylene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Benzo(k)fluoranthene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Chrysene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Dibenzo(a,h)anthracene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Fluoranthene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Fluorene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Indeno(1,2,3-cd)pyrene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Naphthalene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Phenanthrene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Pyrene	ND		8.3	µg/Kg-dry	1	2/25/2014 08:33 PM
Surr: 2-Fluorobiphenyl	89.8		12-100	%REC	1	2/25/2014 08:33 PM
Surr: 4-Terphenyl-d14	88.0		25-137	%REC	1	2/25/2014 08:33 PM
Surr: Nitrobenzene-d5	74.4		37-107	%REC	1	2/25/2014 08:33 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
1,1,2,2-Tetrachloroethane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
1,1,2-Trichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
1,1-Dichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
1,1-Dichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-17 FD

Lab ID: 1402737-04

Collection Date: 2/14/2014 10:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	300		38	µg/Kg-dry	1	2/22/2014 04:26 AM
1,2-Dichloropropane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
2-Butanone	ND		250	µg/Kg-dry	1	2/22/2014 04:26 AM
2-Hexanone	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
4-Methyl-2-pentanone	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Acetone	ND		130	µg/Kg-dry	1	2/22/2014 04:26 AM
Benzene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Bromodichloromethane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Bromoform	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Bromomethane	ND		95	µg/Kg-dry	1	2/22/2014 04:26 AM
Carbon disulfide	56		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Carbon tetrachloride	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Chlorobenzene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Chloroethane	ND		130	µg/Kg-dry	1	2/22/2014 04:26 AM
Chloroform	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Chloromethane	ND		130	µg/Kg-dry	1	2/22/2014 04:26 AM
cis-1,2-Dichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
cis-1,3-Dichloropropene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Dibromochloromethane	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Ethylbenzene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
m,p-Xylene	ND		76	µg/Kg-dry	1	2/22/2014 04:26 AM
Methylene chloride	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
o-Xylene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Styrene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Tetrachloroethene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Toluene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
trans-1,2-Dichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
trans-1,3-Dichloropropene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Trichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
Vinyl chloride	ND		38	µg/Kg-dry	1	2/22/2014 04:26 AM
1,2-Dichloroethene, Total	ND		76	µg/Kg-dry	1	2/22/2014 04:26 AM
1,3-Dichloropropene, Total	ND		76	µg/Kg-dry	1	2/22/2014 04:26 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	2/22/2014 04:26 AM
Surr: 1,2-Dichloroethane-d4	96.5		70-130	%REC	1	2/22/2014 04:26 AM
Surr: 4-Bromofluorobenzene	98.4		70-130	%REC	1	2/22/2014 04:26 AM
Surr: Dibromofluoromethane	96.4		70-130	%REC	1	2/22/2014 04:26 AM
Surr: Toluene-d8	99.4		70-130	%REC	1	2/22/2014 04:26 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	21		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SS-19 with MS/MSD  
 Collection Date: 2/14/2014 11:15 AM

Work Order: 1402737  
 Lab ID: 1402737-05  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.041		0.014	mg/Kg-dry	1	2/24/2014 04:02 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	8.8		2.1	mg/Kg-dry	5	2/22/2014 05:59 AM
Barium	190		2.1	mg/Kg-dry	5	2/22/2014 05:59 AM
Cadmium	ND		0.85	mg/Kg-dry	5	2/22/2014 05:59 AM
Chromium	15		2.1	mg/Kg-dry	5	2/22/2014 05:59 AM
Lead	15		2.1	mg/Kg-dry	5	2/22/2014 05:59 AM
Selenium	ND		2.1	mg/Kg-dry	5	2/22/2014 05:59 AM
Silver	ND		2.1	mg/Kg-dry	5	2/22/2014 05:59 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/24/14	Analyst: HL
Acenaphthene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Acenaphthylene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Anthracene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(a)anthracene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(a)pyrene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(b)fluoranthene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(b-k)fluoranthene	ND		15	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(e)pyrene	ND		23	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(g,h,i)perylene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Benzo(k)fluoranthene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Chrysene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Dibenzo(a,h)anthracene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Fluoranthene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Fluorene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Indeno(1,2,3-cd)pyrene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Naphthalene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Phenanthrene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Pyrene	ND		7.6	µg/Kg-dry	1	2/25/2014 06:51 PM
Surr: 2-Fluorobiphenyl	72.0		12-100	%REC	1	2/25/2014 06:51 PM
Surr: 4-Terphenyl-d14	86.0		25-137	%REC	1	2/25/2014 06:51 PM
Surr: Nitrobenzene-d5	68.6		37-107	%REC	1	2/25/2014 06:51 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SS-19 with MS/MSD  
 Collection Date: 2/14/2014 11:15 AM

Work Order: 1402737  
 Lab ID: 1402737-05  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
2-Butanone	ND		230	µg/Kg-dry	1	2/22/2014 04:52 AM
2-Hexanone	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Acetone	ND		120	µg/Kg-dry	1	2/22/2014 04:52 AM
Benzene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Bromoform	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Bromomethane	ND		87	µg/Kg-dry	1	2/22/2014 04:52 AM
Carbon disulfide	120		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Chloroethane	ND		120	µg/Kg-dry	1	2/22/2014 04:52 AM
Chloroform	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Chloromethane	ND		120	µg/Kg-dry	1	2/22/2014 04:52 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
m,p-Xylene	ND		69	µg/Kg-dry	1	2/22/2014 04:52 AM
Methylene chloride	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
o-Xylene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Styrene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Toluene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Trichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	2/22/2014 04:52 AM
1,2-Dichloroethene, Total	ND		69	µg/Kg-dry	1	2/22/2014 04:52 AM
1,3-Dichloropropene, Total	ND		69	µg/Kg-dry	1	2/22/2014 04:52 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	2/22/2014 04:52 AM
Surr: 1,2-Dichloroethane-d4	96.9		70-130	%REC	1	2/22/2014 04:52 AM
Surr: 4-Bromofluorobenzene	98.6		70-130	%REC	1	2/22/2014 04:52 AM
Surr: Dibromofluoromethane	96.1		70-130	%REC	1	2/22/2014 04:52 AM
Surr: Toluene-d8	100		70-130	%REC	1	2/22/2014 04:52 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	14		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SB-20 with MS/MSD  
 Collection Date: 2/14/2014 12:00 PM

Work Order: 1402737  
 Lab ID: 1402737-06  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.044		0.017	mg/Kg-dry	1	2/24/2014 04:09 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	11		2.0	mg/Kg-dry	5	2/23/2014 10:40 PM
Barium	120		2.0	mg/Kg-dry	5	2/23/2014 10:40 PM
Cadmium	ND		0.80	mg/Kg-dry	5	2/23/2014 10:40 PM
Chromium	18		2.0	mg/Kg-dry	5	2/23/2014 10:40 PM
Lead	15		2.0	mg/Kg-dry	5	2/23/2014 10:40 PM
Selenium	ND		2.0	mg/Kg-dry	5	2/23/2014 10:40 PM
Silver	ND		2.0	mg/Kg-dry	5	2/23/2014 10:40 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/24/14	Analyst: HL
Acenaphthene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Acenaphthylene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Anthracene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(a)anthracene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(a)pyrene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(b)fluoranthene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(b-k)fluoranthene	ND		16	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(e)pyrene	ND		24	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(g,h,i)perylene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Benzo(k)fluoranthene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Chrysene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Dibenzo(a,h)anthracene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Fluoranthene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Fluorene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Indeno(1,2,3-cd)pyrene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Naphthalene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Phenanthrene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Pyrene	ND		8.0	µg/Kg-dry	1	2/25/2014 07:25 PM
Surr: 2-Fluorobiphenyl	75.0		12-100	%REC	1	2/25/2014 07:25 PM
Surr: 4-Terphenyl-d14	92.4		25-137	%REC	1	2/25/2014 07:25 PM
Surr: Nitrobenzene-d5	79.4		37-107	%REC	1	2/25/2014 07:25 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
1,1,2,2-Tetrachloroethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
1,1,2-Trichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
1,1-Dichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
1,1-Dichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-20 with MS/MSD

Lab ID: 1402737-06

Collection Date: 2/14/2014 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
1,2-Dichloropropane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
2-Butanone	ND		250	µg/Kg-dry	1	2/22/2014 05:18 AM
2-Hexanone	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
4-Methyl-2-pentanone	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Acetone	ND		130	µg/Kg-dry	1	2/22/2014 05:18 AM
Benzene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Bromodichloromethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Bromoform	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Bromomethane	ND		95	µg/Kg-dry	1	2/22/2014 05:18 AM
Carbon disulfide	71		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Carbon tetrachloride	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Chlorobenzene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Chloroethane	ND		130	µg/Kg-dry	1	2/22/2014 05:18 AM
Chloroform	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Chloromethane	ND		130	µg/Kg-dry	1	2/22/2014 05:18 AM
cis-1,2-Dichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
cis-1,3-Dichloropropene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Dibromochloromethane	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Ethylbenzene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
m,p-Xylene	ND		76	µg/Kg-dry	1	2/22/2014 05:18 AM
Methylene chloride	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
o-Xylene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Styrene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Tetrachloroethene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Toluene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
trans-1,2-Dichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
trans-1,3-Dichloropropene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Trichloroethene	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
Vinyl chloride	ND		38	µg/Kg-dry	1	2/22/2014 05:18 AM
1,2-Dichloroethene, Total	ND		76	µg/Kg-dry	1	2/22/2014 05:18 AM
1,3-Dichloropropene, Total	ND		76	µg/Kg-dry	1	2/22/2014 05:18 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	2/22/2014 05:18 AM
Surr: 1,2-Dichloroethane-d4	96.6		70-130	%REC	1	2/22/2014 05:18 AM
Surr: 4-Bromofluorobenzene	97.6		70-130	%REC	1	2/22/2014 05:18 AM
Surr: Dibromofluoromethane	96.8		70-130	%REC	1	2/22/2014 05:18 AM
Surr: Toluene-d8	98.4		70-130	%REC	1	2/22/2014 05:18 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	21		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-1

Lab ID: 1402737-07

Collection Date: 2/14/2014 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	7.1		2.2	mg/Kg-dry	5	2/22/2014 06:46 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	19		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
Project: John's Manville - Riverside Parcels  
Sample ID: BG-1 FD  
Collection Date: 2/14/2014 03:00 PM

Work Order: 1402737  
Lab ID: 1402737-08  
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: <b>RH</b>
Arsenic	6.9		2.3	mg/Kg-dry	5	2/22/2014 06:52 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>AT</b>
Moisture	20		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

**Client:** Triad Engineering, Inc.

**Project:** John's Manville - Riverside Parcels

**Work Order:** 1402737

**Sample ID:** BG-2 with MS/MSD

**Lab ID:** 1402737-09

**Collection Date:** 2/14/2014 03:10 PM

**Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	7.3		2.0	mg/Kg-dry	5	2/22/2014 06:58 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	16		0.050	% of sample	1	2/20/2014 10:11 AM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SS-18  
 Collection Date: 2/14/2014 10:45 AM

Work Order: 1402737  
 Lab ID: 1402737-10  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.035		0.014	mg/Kg-dry	1	2/25/2014 05:51 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	7.8		2.2	mg/Kg-dry	5	2/22/2014 07:05 PM
Barium	160		2.2	mg/Kg-dry	5	2/22/2014 07:05 PM
Cadmium	ND		0.88	mg/Kg-dry	5	2/22/2014 07:05 PM
Chromium	14		2.2	mg/Kg-dry	5	2/22/2014 07:05 PM
Lead	13		2.2	mg/Kg-dry	5	2/22/2014 07:05 PM
Selenium	ND		2.2	mg/Kg-dry	5	2/22/2014 07:05 PM
Silver	ND		2.2	mg/Kg-dry	5	2/22/2014 07:05 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Acenaphthylene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Anthracene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(a)anthracene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(a)pyrene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(b)fluoranthene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(b-k)fluoranthene	ND		7.7	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(g,h,i)perylene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Benzo(k)fluoranthene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Chrysene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Dibenzo(a,h)anthracene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Fluoranthene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Fluorene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Indeno(1,2,3-cd)pyrene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Naphthalene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Phenanthrene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Pyrene	ND		3.8	µg/Kg-dry	1	2/25/2014 11:54 PM
Surr: 2-Fluorobiphenyl	68.8		12-100	%REC	1	2/25/2014 11:54 PM
Surr: 4-Terphenyl-d14	87.0		25-137	%REC	1	2/25/2014 11:54 PM
Surr: Nitrobenzene-d5	67.2		37-107	%REC	1	2/25/2014 11:54 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-18

Lab ID: 1402737-10

Collection Date: 2/14/2014 10:45 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
2-Butanone	ND		230	µg/Kg-dry	1	2/22/2014 05:45 AM
2-Hexanone	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Acetone	ND		120	µg/Kg-dry	1	2/22/2014 05:45 AM
Benzene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Bromoform	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Bromomethane	ND		88	µg/Kg-dry	1	2/22/2014 05:45 AM
Carbon disulfide	49		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Chloroethane	ND		120	µg/Kg-dry	1	2/22/2014 05:45 AM
Chloroform	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Chloromethane	ND		120	µg/Kg-dry	1	2/22/2014 05:45 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
m,p-Xylene	ND		70	µg/Kg-dry	1	2/22/2014 05:45 AM
Methylene chloride	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
o-Xylene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Styrene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Toluene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Trichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	2/22/2014 05:45 AM
1,2-Dichloroethene, Total	ND		70	µg/Kg-dry	1	2/22/2014 05:45 AM
1,3-Dichloropropene, Total	ND		70	µg/Kg-dry	1	2/22/2014 05:45 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	2/22/2014 05:45 AM
Surr: 1,2-Dichloroethane-d4	97.8		70-130	%REC	1	2/22/2014 05:45 AM
Surr: 4-Bromofluorobenzene	98.2		70-130	%REC	1	2/22/2014 05:45 AM
Surr: Dibromofluoromethane	95.0		70-130	%REC	1	2/22/2014 05:45 AM
Surr: Toluene-d8	99.1		70-130	%REC	1	2/22/2014 05:45 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	15		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-20

Lab ID: 1402737-11

Collection Date: 2/14/2014 11:45 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.017		0.014	mg/Kg-dry	1	2/25/2014 05:54 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	11		1.8	mg/Kg-dry	5	2/22/2014 07:11 PM
Barium	42		1.8	mg/Kg-dry	5	2/22/2014 07:11 PM
Cadmium	ND		0.72	mg/Kg-dry	5	2/22/2014 07:11 PM
Chromium	9.3		1.8	mg/Kg-dry	5	2/22/2014 07:11 PM
Lead	11		1.8	mg/Kg-dry	5	2/22/2014 07:11 PM
Selenium	ND		1.8	mg/Kg-dry	5	2/22/2014 07:11 PM
Silver	ND		1.8	mg/Kg-dry	5	2/22/2014 07:11 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Acenaphthylene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Anthracene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Benzo(a)anthracene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Benzo(a)pyrene	ND		110	µg/Kg-dry	10	2/25/2014 09:06 PM
Benzo(b)fluoranthene	ND		110	µg/Kg-dry	10	2/25/2014 09:06 PM
Benzo(b-k)fluoranthene	ND		220	µg/Kg-dry	10	2/25/2014 09:06 PM
Benzo(e)pyrene	ND		33	µg/Kg-dry	1	2/25/2014 10:47 PM
Benzo(g,h,i)perylene	ND		110	µg/Kg-dry	10	2/25/2014 09:06 PM
Benzo(k)fluoranthene	ND		110	µg/Kg-dry	10	2/25/2014 09:06 PM
Chrysene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Dibenzo(a,h)anthracene	ND		110	µg/Kg-dry	10	2/25/2014 09:06 PM
Fluoranthene	17		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Fluorene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Indeno(1,2,3-cd)pyrene	ND		110	µg/Kg-dry	10	2/25/2014 09:06 PM
Naphthalene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Phenanthrene	ND		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Pyrene	15		11	µg/Kg-dry	1	2/25/2014 10:47 PM
Surr: 2-Fluorobiphenyl	78.0		12-100	%REC	1	2/25/2014 10:47 PM
Surr: 4-Terphenyl-d14	91.0		25-137	%REC	1	2/25/2014 10:47 PM
Surr: Nitrobenzene-d5	69.4		37-107	%REC	1	2/25/2014 10:47 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
1,1,2,2-Tetrachloroethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
1,1,2-Trichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
1,1-Dichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
1,1-Dichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-20

Lab ID: 1402737-11

Collection Date: 2/14/2014 11:45 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
1,2-Dichloropropane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
2-Butanone	ND		220	µg/Kg-dry	1	2/22/2014 06:11 AM
2-Hexanone	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
4-Methyl-2-pentanone	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Acetone	ND		110	µg/Kg-dry	1	2/22/2014 06:11 AM
Benzene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Bromodichloromethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Bromofom	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Bromomethane	ND		84	µg/Kg-dry	1	2/22/2014 06:11 AM
Carbon disulfide	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Carbon tetrachloride	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Chlorobenzene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Chloroethane	ND		110	µg/Kg-dry	1	2/22/2014 06:11 AM
Chloroform	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Chloromethane	ND		110	µg/Kg-dry	1	2/22/2014 06:11 AM
cis-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
cis-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Dibromochloromethane	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
m,p-Xylene	ND		67	µg/Kg-dry	1	2/22/2014 06:11 AM
Methylene chloride	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
o-Xylene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Styrene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Tetrachloroethene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Toluene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
trans-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
trans-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Trichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
Vinyl chloride	ND		34	µg/Kg-dry	1	2/22/2014 06:11 AM
1,2-Dichloroethene, Total	ND		67	µg/Kg-dry	1	2/22/2014 06:11 AM
1,3-Dichloropropene, Total	ND		67	µg/Kg-dry	1	2/22/2014 06:11 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	2/22/2014 06:11 AM
Surr: 1,2-Dichloroethane-d4	94.3		70-130	%REC	1	2/22/2014 06:11 AM
Surr: 4-Bromofluorobenzene	97.0		70-130	%REC	1	2/22/2014 06:11 AM
Surr: Dibromofluoromethane	94.8		70-130	%REC	1	2/22/2014 06:11 AM
Surr: Toluene-d8	99.3		70-130	%REC	1	2/22/2014 06:11 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	11		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-21

Lab ID: 1402737-12

Collection Date: 2/14/2014 11:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.086		0.010	mg/Kg-dry	1	2/25/2014 05:56 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	11		2.1	mg/Kg-dry	5	2/22/2014 07:17 PM
Barium	120		2.1	mg/Kg-dry	5	2/22/2014 07:17 PM
Cadmium	1.8		0.82	mg/Kg-dry	5	2/22/2014 07:17 PM
Chromium	9.8		2.1	mg/Kg-dry	5	2/22/2014 07:17 PM
Lead	49		2.1	mg/Kg-dry	5	2/22/2014 07:17 PM
Selenium	ND		2.1	mg/Kg-dry	5	2/22/2014 07:17 PM
Silver	ND		2.1	mg/Kg-dry	5	2/22/2014 07:17 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Acenaphthylene	ND		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Anthracene	ND		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Benzo(a)anthracene	29		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Benzo(a)pyrene	ND		76	µg/Kg-dry	10	2/24/2014 03:23 PM
Benzo(b)fluoranthene	ND		76	µg/Kg-dry	10	2/24/2014 03:23 PM
Benzo(b-k)fluoranthene	ND		150	µg/Kg-dry	10	2/24/2014 03:23 PM
Benzo(e)pyrene	33		23	µg/Kg-dry	1	2/25/2014 11:21 PM
Benzo(g,h,i)perylene	ND		76	µg/Kg-dry	10	2/24/2014 03:23 PM
Benzo(k)fluoranthene	ND		76	µg/Kg-dry	10	2/24/2014 03:23 PM
Chrysene	27		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Dibenzo(a,h)anthracene	ND		76	µg/Kg-dry	10	2/24/2014 03:23 PM
Fluoranthene	50		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Fluorene	ND		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Indeno(1,2,3-cd)pyrene	ND		76	µg/Kg-dry	10	2/24/2014 03:23 PM
Naphthalene	ND		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Phenanthrene	21		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Pyrene	55		7.6	µg/Kg-dry	1	2/25/2014 11:21 PM
Surr: 2-Fluorobiphenyl	57.0		12-100	%REC	1	2/25/2014 11:21 PM
Surr: 4-Terphenyl-d14	86.8		25-137	%REC	1	2/25/2014 11:21 PM
Surr: Nitrobenzene-d5	52.4		37-107	%REC	1	2/25/2014 11:21 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SS-21  
 Collection Date: 2/14/2014 11:30 AM

Work Order: 1402737  
 Lab ID: 1402737-12  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
2-Butanone	ND		230	µg/Kg-dry	1	2/22/2014 06:37 AM
2-Hexanone	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Acetone	ND		120	µg/Kg-dry	1	2/22/2014 06:37 AM
Benzene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Bromoform	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Bromomethane	ND		87	µg/Kg-dry	1	2/22/2014 06:37 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Chloroethane	ND		120	µg/Kg-dry	1	2/22/2014 06:37 AM
Chloroform	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Chloromethane	ND		120	µg/Kg-dry	1	2/22/2014 06:37 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
m,p-Xylene	ND		70	µg/Kg-dry	1	2/22/2014 06:37 AM
Methylene chloride	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
o-Xylene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Styrene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Toluene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Trichloroethene	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	2/22/2014 06:37 AM
1,2-Dichloroethene, Total	ND		70	µg/Kg-dry	1	2/22/2014 06:37 AM
1,3-Dichloropropene, Total	ND		70	µg/Kg-dry	1	2/22/2014 06:37 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	2/22/2014 06:37 AM
Surr: 1,2-Dichloroethane-d4	98.0		70-130	%REC	1	2/22/2014 06:37 AM
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC	1	2/22/2014 06:37 AM
Surr: Dibromofluoromethane	95.2		70-130	%REC	1	2/22/2014 06:37 AM
Surr: Toluene-d8	97.9		70-130	%REC	1	2/22/2014 06:37 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	14		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SS-22

Lab ID: 1402737-13

Collection Date: 2/14/2014 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: <b>LR</b>
Mercury	0.087		0.014	mg/Kg-dry	1	2/25/2014 05:58 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: <b>RH</b>
Arsenic	41		1.9	mg/Kg-dry	5	2/22/2014 07:23 PM
Barium	350		1.9	mg/Kg-dry	5	2/22/2014 07:23 PM
Cadmium	0.92		0.75	mg/Kg-dry	5	2/22/2014 07:23 PM
Chromium	14		1.9	mg/Kg-dry	5	2/22/2014 07:23 PM
Lead	45		1.9	mg/Kg-dry	5	2/22/2014 07:23 PM
Selenium	ND		1.9	mg/Kg-dry	5	2/22/2014 07:23 PM
Silver	ND		1.9	mg/Kg-dry	5	2/22/2014 07:23 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: <b>HL</b>
Acenaphthene	ND		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Acenaphthylene	ND		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Anthracene	ND		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(a)anthracene	17		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(a)pyrene	18		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(b)fluoranthene	22		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(b-k)fluoranthene	33		14	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(e)pyrene	ND		21	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(g,h,i)perylene	29		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Benzo(k)fluoranthene	11		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Chrysene	15		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Dibenzo(a,h)anthracene	7.1		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Fluoranthene	28		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Fluorene	ND		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Indeno(1,2,3-cd)pyrene	16		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Naphthalene	ND		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Phenanthrene	9.9		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Pyrene	21		7.1	µg/Kg-dry	1	2/24/2014 08:29 PM
Surr: 2-Fluorobiphenyl	66.0		12-100	%REC	1	2/24/2014 08:29 PM
Surr: 4-Terphenyl-d14	83.4		25-137	%REC	1	2/24/2014 08:29 PM
Surr: Nitrobenzene-d5	71.8		37-107	%REC	1	2/24/2014 08:29 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: <b>RS</b>
1,1,1-Trichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
1,1,2,2-Tetrachloroethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
1,1,2-Trichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
1,1-Dichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
1,1-Dichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SS-22  
 Collection Date: 2/14/2014 02:00 PM

Work Order: 1402737  
 Lab ID: 1402737-13  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
1,2-Dichloropropane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
2-Butanone	ND		220	µg/Kg-dry	1	2/22/2014 07:04 AM
2-Hexanone	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
4-Methyl-2-pentanone	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Acetone	ND		110	µg/Kg-dry	1	2/22/2014 07:04 AM
Benzene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Bromodichloromethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Bromoform	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Bromomethane	ND		84	µg/Kg-dry	1	2/22/2014 07:04 AM
Carbon disulfide	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Carbon tetrachloride	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Chlorobenzene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Chloroethane	ND		110	µg/Kg-dry	1	2/22/2014 07:04 AM
Chloroform	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Chloromethane	ND		110	µg/Kg-dry	1	2/22/2014 07:04 AM
cis-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
cis-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Dibromochloromethane	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
m,p-Xylene	ND		67	µg/Kg-dry	1	2/22/2014 07:04 AM
Methylene chloride	77	B	34	µg/Kg-dry	1	2/22/2014 07:04 AM
o-Xylene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Styrene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Tetrachloroethene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Toluene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
trans-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
trans-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Trichloroethene	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
Vinyl chloride	ND		34	µg/Kg-dry	1	2/22/2014 07:04 AM
1,2-Dichloroethene, Total	ND		67	µg/Kg-dry	1	2/22/2014 07:04 AM
1,3-Dichloropropene, Total	ND		67	µg/Kg-dry	1	2/22/2014 07:04 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	2/22/2014 07:04 AM
Surr: 1,2-Dichloroethane-d4	98.0		70-130	%REC	1	2/22/2014 07:04 AM
Surr: 4-Bromofluorobenzene	98.0		70-130	%REC	1	2/22/2014 07:04 AM
Surr: Dibromofluoromethane	94.0		70-130	%REC	1	2/22/2014 07:04 AM
Surr: Toluene-d8	100		70-130	%REC	1	2/22/2014 07:04 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	11		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SB-18  
 Collection Date: 2/14/2014 11:00 AM

Work Order: 1402737  
 Lab ID: 1402737-14  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.040		0.016	mg/Kg-dry	1	2/25/2014 06:00 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	9.0		2.3	mg/Kg-dry	5	2/22/2014 07:47 PM
Barium	120		2.3	mg/Kg-dry	5	2/22/2014 07:47 PM
Cadmium	ND		0.91	mg/Kg-dry	5	2/22/2014 07:47 PM
Chromium	14		2.3	mg/Kg-dry	5	2/22/2014 07:47 PM
Lead	15		2.3	mg/Kg-dry	5	2/22/2014 07:47 PM
Selenium	ND		2.3	mg/Kg-dry	5	2/22/2014 07:47 PM
Silver	ND		2.3	mg/Kg-dry	5	2/22/2014 07:47 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Acenaphthylene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Anthracene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(a)anthracene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(a)pyrene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(b)fluoranthene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(b-k)fluoranthene	ND		16	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(e)pyrene	ND		24	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(g,h,i)perylene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Benzo(k)fluoranthene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Chrysene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Dibenzo(a,h)anthracene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Fluoranthene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Fluorene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Indeno(1,2,3-cd)pyrene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Naphthalene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Phenanthrene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Pyrene	ND		7.9	µg/Kg-dry	1	2/24/2014 09:02 PM
Surr: 2-Fluorobiphenyl	85.4		12-100	%REC	1	2/24/2014 09:02 PM
Surr: 4-Terphenyl-d14	94.6		25-137	%REC	1	2/24/2014 09:02 PM
Surr: Nitrobenzene-d5	77.0		37-107	%REC	1	2/24/2014 09:02 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-18

Lab ID: 1402737-14

Collection Date: 2/14/2014 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
2-Butanone	ND		240	µg/Kg-dry	1	2/22/2014 07:30 AM
2-Hexanone	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Acetone	ND		120	µg/Kg-dry	1	2/22/2014 07:30 AM
Benzene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Bromoform	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Bromomethane	ND		91	µg/Kg-dry	1	2/22/2014 07:30 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Chloroethane	ND		120	µg/Kg-dry	1	2/22/2014 07:30 AM
Chloroform	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Chloromethane	ND		120	µg/Kg-dry	1	2/22/2014 07:30 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
m,p-Xylene	ND		73	µg/Kg-dry	1	2/22/2014 07:30 AM
Methylene chloride	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
o-Xylene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Styrene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Toluene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Trichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	2/22/2014 07:30 AM
1,2-Dichloroethene, Total	ND		73	µg/Kg-dry	1	2/22/2014 07:30 AM
1,3-Dichloropropene, Total	ND		73	µg/Kg-dry	1	2/22/2014 07:30 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	2/22/2014 07:30 AM
Surr: 1,2-Dichloroethane-d4	96.8		70-130	%REC	1	2/22/2014 07:30 AM
Surr: 4-Bromofluorobenzene	99.6		70-130	%REC	1	2/22/2014 07:30 AM
Surr: Dibromofluoromethane	96.2		70-130	%REC	1	2/22/2014 07:30 AM
Surr: Toluene-d8	100		70-130	%REC	1	2/22/2014 07:30 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	17		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-19

Lab ID: 1402737-15

Collection Date: 2/14/2014 11:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.034		0.017	mg/Kg-dry	1	2/25/2014 06:03 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	8.6		1.9	mg/Kg-dry	5	2/22/2014 07:53 PM
Barium	110		1.9	mg/Kg-dry	5	2/22/2014 07:53 PM
Cadmium	ND		0.78	mg/Kg-dry	5	2/22/2014 07:53 PM
Chromium	14		1.9	mg/Kg-dry	5	2/22/2014 07:53 PM
Lead	11		1.9	mg/Kg-dry	5	2/22/2014 07:53 PM
Selenium	ND		1.9	mg/Kg-dry	5	2/22/2014 07:53 PM
Silver	ND		1.9	mg/Kg-dry	5	2/22/2014 07:53 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Acenaphthylene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Anthracene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(a)anthracene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(a)pyrene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(b)fluoranthene	7.9	J	7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(b-k)fluoranthene	ND		16	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(e)pyrene	ND		24	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(g,h,i)perylene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Benzo(k)fluoranthene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Chrysene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Dibenzo(a,h)anthracene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Fluoranthene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Fluorene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Indeno(1,2,3-cd)pyrene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Naphthalene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Phenanthrene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Pyrene	ND		7.9	µg/Kg-dry	1	2/26/2014 12:28 PM
Surr: 2-Fluorobiphenyl	60.6		12-100	%REC	1	2/26/2014 12:28 PM
Surr: 4-Terphenyl-d14	104		25-137	%REC	1	2/26/2014 12:28 PM
Surr: Nitrobenzene-d5	65.2		37-107	%REC	1	2/26/2014 12:28 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-19

Lab ID: 1402737-15

Collection Date: 2/14/2014 11:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
2-Butanone	ND		240	µg/Kg-dry	1	2/22/2014 07:56 AM
2-Hexanone	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Acetone	ND		120	µg/Kg-dry	1	2/22/2014 07:56 AM
Benzene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Bromoform	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Bromomethane	ND		91	µg/Kg-dry	1	2/22/2014 07:56 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Chloroethane	ND		120	µg/Kg-dry	1	2/22/2014 07:56 AM
Chloroform	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Chloromethane	ND		120	µg/Kg-dry	1	2/22/2014 07:56 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
m,p-Xylene	ND		72	µg/Kg-dry	1	2/22/2014 07:56 AM
Methylene chloride	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
o-Xylene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Styrene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Toluene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Trichloroethene	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	2/22/2014 07:56 AM
1,2-Dichloroethene, Total	ND		72	µg/Kg-dry	1	2/22/2014 07:56 AM
1,3-Dichloropropene, Total	ND		72	µg/Kg-dry	1	2/22/2014 07:56 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	2/22/2014 07:56 AM
Surr: 1,2-Dichloroethane-d4	95.6		70-130	%REC	1	2/22/2014 07:56 AM
Surr: 4-Bromofluorobenzene	94.6		70-130	%REC	1	2/22/2014 07:56 AM
Surr: Dibromofluoromethane	94.2		70-130	%REC	1	2/22/2014 07:56 AM
Surr: Toluene-d8	97.6		70-130	%REC	1	2/22/2014 07:56 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	17		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SB-21  
 Collection Date: 2/14/2014 01:45 PM

Work Order: 1402737  
 Lab ID: 1402737-16  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.054		0.016	mg/Kg-dry	1	2/25/2014 06:05 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	9.9		2.3	mg/Kg-dry	5	2/22/2014 07:59 PM
Barium	130		2.3	mg/Kg-dry	5	2/22/2014 07:59 PM
Cadmium	ND		0.90	mg/Kg-dry	5	2/22/2014 07:59 PM
Chromium	15		2.3	mg/Kg-dry	5	2/22/2014 07:59 PM
Lead	16		2.3	mg/Kg-dry	5	2/22/2014 07:59 PM
Seelenium	ND		2.3	mg/Kg-dry	5	2/22/2014 07:59 PM
Silver	ND		2.3	mg/Kg-dry	5	2/22/2014 07:59 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Acenaphthylene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Anthracene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(a)anthracene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(a)pyrene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(b)fluoranthene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(b-k)fluoranthene	ND		17	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(e)pyrene	ND		25	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(g,h,i)perylene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Benzo(k)fluoranthene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Chrysene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Dibenzo(a,h)anthracene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Fluoranthene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Fluorene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Indeno(1,2,3-cd)pyrene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Naphthalene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Phenanthrene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Pyrene	ND		8.5	µg/Kg-dry	1	2/24/2014 09:36 PM
Surr: 2-Fluorobiphenyl	64.0		12-100	%REC	1	2/24/2014 09:36 PM
Surr: 4-Terphenyl-d14	97.6		25-137	%REC	1	2/24/2014 09:36 PM
Surr: Nitrobenzene-d5	80.6		37-107	%REC	1	2/24/2014 09:36 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
1,1,2,2-Tetrachloroethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
1,1,2-Trichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
1,1-Dichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
1,1-Dichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-21

Lab ID: 1402737-16

Collection Date: 2/14/2014 01:45 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
1,2-Dichloropropane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
2-Butanone	ND		260	µg/Kg-dry	1	2/22/2014 08:22 AM
2-Hexanone	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
4-Methyl-2-pentanone	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Acetone	ND		130	µg/Kg-dry	1	2/22/2014 08:22 AM
Benzene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Bromodichloromethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Bromoform	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Bromomethane	ND		97	µg/Kg-dry	1	2/22/2014 08:22 AM
Carbon disulfide	65		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Carbon tetrachloride	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Chlorobenzene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Chloroethane	ND		130	µg/Kg-dry	1	2/22/2014 08:22 AM
Chloroform	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Chloromethane	ND		130	µg/Kg-dry	1	2/22/2014 08:22 AM
cis-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
cis-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Dibromochloromethane	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Ethylbenzene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
m,p-Xylene	ND		78	µg/Kg-dry	1	2/22/2014 08:22 AM
Methylene chloride	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
o-Xylene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Styrene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Tetrachloroethene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Toluene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
trans-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
trans-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Trichloroethene	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
Vinyl chloride	ND		39	µg/Kg-dry	1	2/22/2014 08:22 AM
1,2-Dichloroethene, Total	ND		78	µg/Kg-dry	1	2/22/2014 08:22 AM
1,3-Dichloropropene, Total	ND		78	µg/Kg-dry	1	2/22/2014 08:22 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	2/22/2014 08:22 AM
Surr: 1,2-Dichloroethane-d4	97.8		70-130	%REC	1	2/22/2014 08:22 AM
Surr: 4-Bromofluorobenzene	96.0		70-130	%REC	1	2/22/2014 08:22 AM
Surr: Dibromofluoromethane	94.6		70-130	%REC	1	2/22/2014 08:22 AM
Surr: Toluene-d8	97.8		70-130	%REC	1	2/22/2014 08:22 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: AT</b>
Moisture	23		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: SB-22  
 Collection Date: 2/14/2014 02:15 PM

Work Order: 1402737  
 Lab ID: 1402737-17  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep: SW7471 / 2/24/14	Analyst: LR
Mercury	0.24		0.019	mg/Kg-dry	1	2/25/2014 06:07 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	130		2.9	mg/Kg-dry	5	2/22/2014 08:05 PM
Barium	120		2.9	mg/Kg-dry	5	2/22/2014 08:05 PM
Cadmium	ND		1.2	mg/Kg-dry	5	2/22/2014 08:05 PM
Chromium	32		2.9	mg/Kg-dry	5	2/22/2014 08:05 PM
Lead	69		2.9	mg/Kg-dry	5	2/22/2014 08:05 PM
Selenium	9.1		2.9	mg/Kg-dry	5	2/22/2014 08:05 PM
Silver	ND		2.9	mg/Kg-dry	5	2/22/2014 08:05 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep: SW3550 / 2/21/14	Analyst: HL
Acenaphthene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Acenaphthylene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Anthracene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(a)anthracene	130		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(a)pyrene	120		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(b)fluoranthene	130		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(b-k)fluoranthene	210		180	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(e)pyrene	ND		270	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(g,h,i)perylene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Benzo(k)fluoranthene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Chrysene	110		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Dibenzo(a,h)anthracene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Fluoranthene	190		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Fluorene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Indeno(1,2,3-cd)pyrene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Naphthalene	ND		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Phenanthrene	100		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Pyrene	170		91	µg/Kg-dry	10	2/24/2014 05:05 PM
Surr: 2-Fluorobiphenyl	64.0		12-100	%REC	10	2/24/2014 05:05 PM
Surr: 4-Terphenyl-d14	76.0		25-137	%REC	10	2/24/2014 05:05 PM
Surr: Nitrobenzene-d5	52.0		37-107	%REC	10	2/24/2014 05:05 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep: SW5035 / 2/21/14	Analyst: RS
1,1,1-Trichloroethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
1,1,2,2-Tetrachloroethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
1,1,2-Trichloroethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
1,1-Dichloroethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
1,1-Dichloroethene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: SB-22

Lab ID: 1402737-17

Collection Date: 2/14/2014 02:15 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
1,2-Dichloropropane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
2-Butanone	ND		290	µg/Kg-dry	1	2/22/2014 08:49 AM
2-Hexanone	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
4-Methyl-2-pentanone	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Acetone	ND		140	µg/Kg-dry	1	2/22/2014 08:49 AM
Benzene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Bromodichloromethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Bromoform	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Bromomethane	ND		110	µg/Kg-dry	1	2/22/2014 08:49 AM
Carbon disulfide	100		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Carbon tetrachloride	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Chlorobenzene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Chloroethane	ND		140	µg/Kg-dry	1	2/22/2014 08:49 AM
Chloroform	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Chloromethane	ND		140	µg/Kg-dry	1	2/22/2014 08:49 AM
cis-1,2-Dichloroethene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
cis-1,3-Dichloropropene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Dibromochloromethane	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Ethylbenzene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
m,p-Xylene	ND		86	µg/Kg-dry	1	2/22/2014 08:49 AM
Methylene chloride	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
o-Xylene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Styrene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Tetrachloroethene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Toluene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
trans-1,2-Dichloroethene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
trans-1,3-Dichloropropene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Trichloroethene	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
Vinyl chloride	ND		43	µg/Kg-dry	1	2/22/2014 08:49 AM
1,2-Dichloroethene, Total	ND		86	µg/Kg-dry	1	2/22/2014 08:49 AM
1,3-Dichloropropene, Total	ND		86	µg/Kg-dry	1	2/22/2014 08:49 AM
Xylenes, Total	ND		130	µg/Kg-dry	1	2/22/2014 08:49 AM
Surr: 1,2-Dichloroethane-d4	99.0		70-130	%REC	1	2/22/2014 08:49 AM
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC	1	2/22/2014 08:49 AM
Surr: Dibromofluoromethane	96.2		70-130	%REC	1	2/22/2014 08:49 AM
Surr: Toluene-d8	98.2		70-130	%REC	1	2/22/2014 08:49 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	30		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-3

Lab ID: 1402737-18

Collection Date: 2/14/2014 03:20 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	7.2		2.0	mg/Kg-dry	5	2/22/2014 08:11 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	17		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
Project: John's Manville - Riverside Parcels  
Sample ID: BG-4  
Collection Date: 2/14/2014 03:30 PM

Work Order: 1402737  
Lab ID: 1402737-19  
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	6.1		2.1	mg/Kg-dry	5	2/22/2014 08:17 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	18		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-5

Lab ID: 1402737-20

Collection Date: 2/14/2014 03:40 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	6.6		2.0	mg/Kg-dry	5	2/22/2014 08:23 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	19		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-6

Lab ID: 1402737-21

Collection Date: 2/14/2014 03:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: <b>RH</b>
Arsenic	6.3		2.1	mg/Kg-dry	5	2/22/2014 08:29 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>AT</b>
Moisture	21		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-7

Lab ID: 1402737-22

Collection Date: 2/14/2014 04:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	17		2.0	mg/Kg-dry	5	2/23/2014 11:11 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	20		0.050	% of sample	1	2/20/2014 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-8

Lab ID: 1402737-23

Collection Date: 2/14/2014 04:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	7.8		2.5	mg/Kg-dry	5	2/23/2014 11:17 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	28		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
Project: John's Manville - Riverside Parcels  
Sample ID: BG-9  
Collection Date: 2/14/2014 04:20 PM

Work Order: 1402737  
Lab ID: 1402737-24  
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: RH
Arsenic	10		2.3	mg/Kg-dry	5	2/23/2014 11:23 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: AT
Moisture	25		0.050	% of sample	1	2/20/2014 10:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: BG-10

Lab ID: 1402737-25

Collection Date: 2/14/2014 04:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep: SW3050B / 2/21/14	Analyst: <b>RH</b>
Arsenic	12		2.4	mg/Kg-dry	5	2/23/2014 11:48 PM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>AT</b>
Moisture	28		0.050	% of sample	1	2/20/2014 04:57 PM

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Project: John's Manville - Riverside Parcels  
 Sample ID: Trip Blank  
 Collection Date: 2/14/2014

Work Order: 1402737  
 Lab ID: 1402737-26  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		Analyst: RS	
1,1,1-Trichloroethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,2-Dichloropropane	ND		2.0	µg/L	1	2/25/2014 12:40 PM
2-Butanone	ND		5.0	µg/L	1	2/25/2014 12:40 PM
2-Hexanone	ND		5.0	µg/L	1	2/25/2014 12:40 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	2/25/2014 12:40 PM
Acetone	ND		20	µg/L	1	2/25/2014 12:40 PM
Benzene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Bromodichloromethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Bromoform	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Bromomethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Carbon disulfide	ND		2.5	µg/L	1	2/25/2014 12:40 PM
Carbon tetrachloride	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Chlorobenzene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Chloroethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Chloroform	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Chloromethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Dibromochloromethane	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Ethylbenzene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
m,p-Xylene	ND		2.0	µg/L	1	2/25/2014 12:40 PM
Methylene chloride	ND		5.0	µg/L	1	2/25/2014 12:40 PM
o-Xylene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Styrene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Tetrachloroethene	ND		2.0	µg/L	1	2/25/2014 12:40 PM
Toluene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Trichloroethene	ND		1.0	µg/L	1	2/25/2014 12:40 PM
Vinyl chloride	ND		1.0	µg/L	1	2/25/2014 12:40 PM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	2/25/2014 12:40 PM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	2/25/2014 12:40 PM
Xylenes, Total	ND		3.0	µg/L	1	2/25/2014 12:40 PM
Surr: 1,2-Dichloroethane-d4	97.5		70-120	%REC	1	2/25/2014 12:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 27-Feb-14

Client: Triad Engineering, Inc.

Project: John's Manville - Riverside Parcels

Work Order: 1402737

Sample ID: Trip Blank

Lab ID: 1402737-26

Collection Date: 2/14/2014

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	100		75-120	%REC	1	2/25/2014 12:40 PM
Surr: Dibromofluoromethane	96.0		85-115	%REC	1	2/25/2014 12:40 PM
Surr: Toluene-d8	98.8		85-120	%REC	1	2/25/2014 12:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 27-Feb-14

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

QC BATCH REPORT

Batch ID: 56020 Instrument ID HG1 Method: SW7471

<b>MBLK</b>		Sample ID: MBLK-56020-56020			Units: mg/Kg		Analysis Date: 2/24/2014 03:48 PM			
Client ID:		Run ID: HG1_140224A			SeqNo: 2652482		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

<b>LCS</b>		Sample ID: LCS-56020-56020			Units: mg/Kg		Analysis Date: 2/24/2014 03:50 PM			
Client ID:		Run ID: HG1_140224A			SeqNo: 2652483		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1956	0.020	0.1665		0	117	80-120	0		

<b>MS</b>		Sample ID: 1402737-05BMS			Units: mg/Kg		Analysis Date: 2/24/2014 04:04 PM			
Client ID: SS-19 with MS/MSD		Run ID: HG1_140224A			SeqNo: 2652490		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1508	0.012	0.1009	0.0355	114	75-125		0		

<b>MS</b>		Sample ID: 1402737-06BMS			Units: mg/Kg		Analysis Date: 2/24/2014 04:11 PM			
Client ID: SB-20 with MS/MSD		Run ID: HG1_140224A			SeqNo: 2652493		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1663	0.013	0.1094	0.03462	120	75-125		0		

<b>MSD</b>		Sample ID: 1402737-05BMSD			Units: mg/Kg		Analysis Date: 2/24/2014 04:06 PM			
Client ID: SS-19 with MS/MSD		Run ID: HG1_140224A			SeqNo: 2652491		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1612	0.013	0.1077	0.0355	117	75-125	0.1508	6.7	35	

<b>MSD</b>		Sample ID: 1402737-06BMSD			Units: mg/Kg		Analysis Date: 2/25/2014 05:49 PM			
Client ID: SB-20 with MS/MSD		Run ID: HG1_140225A			SeqNo: 2654475		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.152	0.013	0.1045	0.03462	112	75-125	0.1663	8.97	35	

The following samples were analyzed in this batch:

1402737-01B	1402737-02B	1402737-03B
1402737-04B	1402737-05B	1402737-06B
1402737-10B	1402737-11B	1402737-12B
1402737-13B	1402737-14B	1402737-15B
1402737-16B	1402737-17B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55977 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-55977-55977			Units:mg/Kg			Analysis Date: 2/22/2014 05:23 AM		
Client ID:		Run ID: ICPMS1_140221A			SeqNo:2650124			Prep Date: 2/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	0.001188	0.10								J
Chromium	ND	0.25								
Lead	0.002902	0.25								J
Selenium	ND	0.25								
Silver	ND	0.25								

LCS		Sample ID: LCS-55977-55977			Units:mg/Kg			Analysis Date: 2/22/2014 05:29 AM		
Client ID:		Run ID: ICPMS1_140221A			SeqNo:2650125			Prep Date: 2/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.566	0.25	5	0	91.3	80-120	0			
Barium	4.722	0.25	5	0	94.4	80-120	0			
Cadmium	4.687	0.10	5	0	93.7	80-120	0			
Chromium	4.562	0.25	5	0	91.2	80-120	0			
Lead	4.786	0.25	5	0	95.7	80-120	0			
Selenium	4.306	0.25	5	0	86.1	80-120	0			
Silver	4.539	0.25	5	0	90.8	80-120	0			

MS		Sample ID: 1402737-05BMS			Units:mg/Kg			Analysis Date: 2/22/2014 06:29 AM		
Client ID: SS-19 with MS/MSD		Run ID: ICPMS1_140221A			SeqNo:2650135			Prep Date: 2/21/2014		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	13.87	1.9	7.452	7.64	83.6	75-125	0			
Barium	164.2	1.9	7.452	160.5	49.5	75-125	0			SO
Cadmium	7.001	0.75	7.452	0.2524	90.6	75-125	0			
Chromium	21.52	1.9	7.452	12.81	117	75-125	0			
Lead	19.05	1.9	7.452	12.81	83.7	75-125	0			
Selenium	7.124	1.9	7.452	1.322	77.9	75-125	0			
Silver	6.289	1.9	7.452	0.028	84	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55977 Instrument ID ICPMS1 Method: SW6020A

MS		Sample ID: 1402737-09AMS			Units:mg/Kg		Analysis Date: 2/22/2014 07:10 AM				
Client ID: BG-2 with MS/MSD		Run ID: ICPMS1_140221A			SeqNo:2650142		Prep Date: 2/21/2014		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	12.09	1.7	6.676	6.158	88.8	75-125	0				
Barium	149	1.7	6.676	137.4	174	75-125	0			SO	
Cadmium	6.389	0.67	6.676	0.1873	92.9	75-125	0				
Chromium	18.69	1.7	6.676	10.23	127	75-125	0			S	
Lead	15.96	1.7	6.676	9.927	90.4	75-125	0				
Selenium	7.25	1.7	6.676	1.002	93.6	75-125	0				
Silver	5.921	1.7	6.676	0.02893	88.3	75-125	0				

MSD		Sample ID: 1402737-05BMSD			Units:mg/Kg		Analysis Date: 2/22/2014 06:35 AM				
Client ID: SS-19 with MS/MSD		Run ID: ICPMS1_140221A			SeqNo:2650136		Prep Date: 2/21/2014		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	13.66	1.8	7.267	7.64	82.8	75-125	13.87	1.54	25		
Barium	183.5	1.8	7.267	160.5	316	75-125	164.2	11.1	25	SO	
Cadmium	6.828	0.73	7.267	0.2524	90.5	75-125	7.001	2.5	25		
Chromium	21.04	1.8	7.267	12.81	113	75-125	21.52	2.28	25		
Lead	18.68	1.8	7.267	12.81	80.7	75-125	19.05	1.99	25		
Selenium	6.944	1.8	7.267	1.322	77.4	75-125	7.124	2.55	25		
Silver	6.116	1.8	7.267	0.028	83.8	75-125	6.289	2.8	25		

MSD		Sample ID: 1402737-09AMS			Units:mg/Kg		Analysis Date: 2/22/2014 07:16 AM				
Client ID: BG-2 with MS/MSD		Run ID: ICPMS1_140221A			SeqNo:2650143		Prep Date: 2/21/2014		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	12.78	1.7	6.649	6.158	99.6	75-125	12.09	5.55	25		
Barium	153.5	1.7	6.649	137.4	241	75-125	149	2.93	25	SO	
Cadmium	6.782	0.66	6.649	0.1873	99.2	75-125	6.389	5.97	25		
Chromium	18.81	1.7	6.649	10.23	129	75-125	18.69	0.63	25	S	
Lead	17.07	1.7	6.649	9.927	107	75-125	15.96	6.72	25		
Selenium	7.184	1.7	6.649	1.002	93	75-125	7.25	0.907	25		
Silver	6.067	1.7	6.649	0.02893	90.8	75-125	5.921	2.43	25		

The following samples were analyzed in this batch:

1402737-01B	1402737-02B	1402737-03B
1402737-04B	1402737-05B	1402737-07A
1402737-08A	1402737-09A	1402737-10B
1402737-11B	1402737-12B	1402737-13B
1402737-14B	1402737-15B	1402737-16B
1402737-17B	1402737-18A	1402737-19A
1402737-20A	1402737-21A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55983 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-55983-55983			Units:mg/Kg			Analysis Date: 2/22/2014 08:34 PM		
Client ID:		Run ID: ICPMS1_140222A			SeqNo:2650470			Prep Date: 2/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	0.01676	0.25								J
Cadmium	ND	0.10								
Chromium	ND	0.25								
Lead	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								

LCS		Sample ID: LCS-55983-55983			Units:mg/Kg			Analysis Date: 2/22/2014 08:41 PM		
Client ID:		Run ID: ICPMS1_140222A			SeqNo:2650471			Prep Date: 2/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.497	0.25	5	0	89.9	80-120	0			
Barium	4.708	0.25	5	0	94.2	80-120	0			
Cadmium	4.684	0.10	5	0	93.7	80-120	0			
Chromium	4.554	0.25	5	0	91.1	80-120	0			
Lead	4.736	0.25	5	0	94.7	80-120	0			
Selenium	4.308	0.25	5	0	86.2	80-120	0			
Silver	4.566	0.25	5	0	91.3	80-120	0			

MS		Sample ID: 1402737-06BMS			Units:mg/Kg			Analysis Date: 2/23/2014 10:53 PM		
Client ID: SB-20 with MS/MSD		Run ID: ICPMS1_140222A			SeqNo:2650875			Prep Date: 2/21/2014		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.44	1.6	6.353	8.579	60.8	75-125	0			S
Barium	93.74	1.6	6.353	92.31	22.5	75-125	0			SO
Cadmium	5.997	0.64	6.353	0.0968	92.9	75-125	0			
Chromium	21.18	1.6	6.353	13.88	115	75-125	0			
Lead	18.58	1.6	6.353	11.94	104	75-125	0			
Selenium	6.522	1.6	6.353	1.419	80.3	75-125	0			
Silver	5.511	1.6	6.353	0.02433	86.4	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55983 Instrument ID ICPMS1 Method: SW6020A

MSD		Sample ID: 1402737-06BMSD				Units: mg/Kg		Analysis Date: 2/23/2014 10:59 PM			
Client ID: SB-20 with MS/MSD		Run ID: ICPMS1_140222A				SeqNo:2650876		Prep Date: 2/21/2014		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	12.25	1.6	6.337	8.579	57.9	75-125	12.44	1.54	25	S	
Barium	81.24	1.6	6.337	92.31	-175	75-125	93.74	14.3	25	SO	
Cadmium	5.824	0.63	6.337	0.0968	90.4	75-125	5.997	2.94	25		
Chromium	21.15	1.6	6.337	13.88	115	75-125	21.18	0.119	25		
Lead	18	1.6	6.337	11.94	95.6	75-125	18.58	3.17	25		
Selenium	6.375	1.6	6.337	1.419	78.2	75-125	6.522	2.27	25		
Silver	5.326	1.6	6.337	0.02433	83.7	75-125	5.511	3.42	25		

The following samples were analyzed in this batch:

1402737-06B	1402737-22A	1402737-23A
1402737-24A	1402737-25A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55965 Instrument ID SVMS7 Method: SW8270M

MBLK	Sample ID: SBLKS1-55965-55965	Units: µg/Kg		Analysis Date: 2/24/2014 07:21 PM						
Client ID:	Run ID: SVMS7_140224A	SeqNo: 2655538		Prep Date: 2/21/2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	3.3								
Acenaphthylene	ND	3.3								
Anthracene	ND	3.3								
Benzo(a)anthracene	ND	3.3								
Benzo(a)pyrene	ND	3.3								
Benzo(b)fluoranthene	ND	3.3								
Benzo(b-k)fluoranthene	ND	6.7								
Benzo(e)pyrene	ND	10								
Benzo(g,h,i)perylene	ND	3.3								
Benzo(k)fluoranthene	ND	3.3								
Chrysene	ND	3.3								
Dibenzo(a,h)anthracene	ND	3.3								
Fluoranthene	ND	3.3								
Fluorene	ND	3.3								
Indeno(1,2,3-cd)pyrene	ND	3.3								
Naphthalene	ND	3.3								
Phenanthrene	ND	3.3								
Pyrene	ND	3.3								
Surr: 2-Fluorobiphenyl	155.3	0	166.7	0	93.2	12-100	0			
Surr: 4-Terphenyl-d14	174.7	0	166.7	0	105	25-137	0			
Surr: Nitrobenzene-d5	135.7	0	166.7	0	81.4	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

**QC BATCH REPORT**

Batch ID: 55965 Instrument ID SVMS7 Method: SW8270M

LCS		Sample ID: SLCSS1-55965-55965				Units: µg/Kg		Analysis Date: 2/24/2014 01:41 PM			
Client ID:		Run ID: SVMS7_140224A				SeqNo:2655533		Prep Date: 2/21/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	58.67	3.3	66.67	0	88	35-110	0				
Acenaphthylene	60.33	3.3	66.67	0	90.5	35-115	0				
Anthracene	63.67	3.3	66.67	0	95.5	45-125	0				
Benzo(a)anthracene	60	3.3	66.67	0	90	50-105	0				
Benzo(a)pyrene	69.67	3.3	66.67	0	105	40-135	0				
Benzo(b)fluoranthene	63.67	3.3	66.67	0	95.5	55-120	0				
Benzo(b-k)fluoranthene	92.33	6.7	133.3	0	69.3	55-120	0				
Benzo(g,h,i)perylene	66.33	3.3	66.67	0	99.5	55-115	0				
Benzo(k)fluoranthene	62	3.3	66.67	0	93	55-120	0				
Chrysene	59.67	3.3	66.67	0	89.5	55-120	0				
Dibenzo(a,h)anthracene	68	3.3	66.67	0	102	45-115	0				
Fluoranthene	65	3.3	66.67	0	97.5	40-135	0				
Fluorene	58	3.3	66.67	0	87	45-105	0				
Indeno(1,2,3-cd)pyrene	67.33	3.3	66.67	0	101	55-135	0				
Naphthalene	57.33	3.3	66.67	0	86	50-110	0				
Phenanthrene	58.67	3.3	66.67	0	88	55-125	0				
Pyrene	55.67	3.3	66.67	0	83.5	50-115	0				
Surr: 2-Fluorobiphenyl	119.7	0	166.7	0	71.8	12-100	0				
Surr: 4-Terphenyl-d14	164.7	0	166.7	0	98.8	25-137	0				
Surr: Nitrobenzene-d5	113.3	0	166.7	0	68	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

# QC BATCH REPORT

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

Batch ID: 55965      Instrument ID SVMS7      Method: SW8270M

MS	Sample ID: 1402737-10B MS			Units: µg/Kg		Analysis Date: 2/24/2014 05:39 PM				
	Client ID: SS-18	Run ID: SVMS7_140224A		SeqNo:2655536	Prep Date: 2/21/2014	DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	116.9	65	129.8	0	90	35-110	0			
Acenaphthylene	97.38	65	129.8	0	75	35-115	0			
Anthracene	97.38	65	129.8	0	75	45-125	0			
Benzo(a)anthracene	129.8	65	129.8	3.286	97.5	50-105	0			
Benzo(a)pyrene	116.9	65	129.8	0	90	40-135	0			
Benzo(b)fluoranthene	103.9	65	129.8	0	80	55-120	0			
Benzo(b-k)fluoranthene	227.2	130	259.7	0	87.5	55-120	0			
Benzo(g,h,i)perylene	136.3	65	129.8	0	105	55-115	0			
Benzo(k)fluoranthene	123.3	65	129.8	0	95	55-120	0			
Chrysene	123.3	65	129.8	3.286	92.5	55-120	0			
Dibenzo(a,h)anthracene	129.8	65	129.8	0	100	45-115	0			
Fluoranthene	110.4	65	129.8	0	85	40-135	0			
Fluorene	110.4	65	129.8	0	85	45-105	0			
Indeno(1,2,3-cd)pyrene	136.3	65	129.8	0	105	55-135	0			
Naphthalene	84.39	65	129.8	0	65	50-110	0			
Phenanthrene	103.9	65	129.8	0	80	55-125	0			
Pyrene	136.3	65	129.8	0	105	50-115	0			
Surr: 2-Fluorobiphenyl	246.7	0	324.6	0	76	12-100	0			
Surr: 4-Terphenyl-d14	331.1	0	324.6	0	102	25-137	0			
Surr: Nitrobenzene-d5	188.3	0	324.6	0	58	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55965 Instrument ID SVMS7 Method: SW8270M

MSD		Sample ID: 1402737-10B MSD				Units: µg/Kg		Analysis Date: 2/24/2014 06:13 PM		
Client ID: SS-18		Run ID: SVMS7_140224A				SeqNo:2655537		Prep Date: 2/21/2014		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	114.7	64	127.5	0	90	35-110	116.9	1.84	40	
Acenaphthylene	108.3	64	127.5	0	85	35-115	97.38	10.7	40	
Anthracene	95.6	64	127.5	0	75	45-125	97.38	1.84	40	
Benzo(a)anthracene	108.3	64	127.5	3.286	82.4	50-105	129.8	18	40	
Benzo(a)pyrene	108.3	64	127.5	0	85	40-135	116.9	7.55	40	
Benzo(b)fluoranthene	89.23	64	127.5	0	70	55-120	103.9	15.2	40	
Benzo(b-k)fluoranthene	204	130	254.9	0	80	55-120	227.2	10.8	40	
Benzo(g,h,i)perylene	114.7	64	127.5	0	90	55-115	136.3	17.2	40	
Benzo(k)fluoranthene	114.7	64	127.5	0	90	55-120	123.3	7.24	40	
Chrysene	108.3	64	127.5	3.286	82.4	55-120	123.3	12.9	40	
Dibenzo(a,h)anthracene	114.7	64	127.5	0	90	45-115	129.8	12.4	40	
Fluoranthene	89.23	64	127.5	0	70	40-135	110.4	21.2	40	
Fluorene	89.23	64	127.5	0	70	45-105	110.4	21.2	40	
Indeno(1,2,3-cd)pyrene	114.7	64	127.5	0	90	55-135	136.3	17.2	40	
Naphthalene	82.86	64	127.5	0	65	50-110	84.39	1.84	40	
Phenanthrene	95.6	64	127.5	0	75	55-125	103.9	8.29	40	
Pyrene	114.7	64	127.5	0	90	50-115	136.3	17.2	40	
Surr: 2-Fluorobiphenyl	172.1	0	318.7	0	54	12-100	246.7	35.6	40	
Surr: 4-Terphenyl-d14	274.1	0	318.7	0	86	25-137	331.1	18.8	40	
Surr: Nitrobenzene-d5	184.8	0	318.7	0	58	37-107	188.3	1.84	40	

The following samples were analyzed in this batch:

1402737-10B	1402737-11B	1402737-12B
1402737-13B	1402737-14B	1402737-15B
1402737-16B	1402737-17B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 56039 Instrument ID SVMS7 Method: SW8270M

MBLK	Sample ID: SBLKS1-56039-56039	Units: µg/Kg		Analysis Date: 2/25/2014 06:17 PM						
Client ID:	Run ID: SVMS7_140225A	SeqNo:2655513	Prep Date: 2/24/2014	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	3.3								
Acenaphthylene	ND	3.3								
Anthracene	ND	3.3								
Benzo(a)anthracene	ND	3.3								
Benzo(a)pyrene	ND	3.3								
Benzo(b)fluoranthene	ND	3.3								
Benzo(b-k)fluoranthene	ND	6.7								
Benzo(e)pyrene	ND	10								
Benzo(g,h,i)perylene	ND	3.3								
Benzo(k)fluoranthene	ND	3.3								
Chrysene	ND	3.3								
Dibenzo(a,h)anthracene	ND	3.3								
Fluoranthene	ND	3.3								
Fluorene	ND	3.3								
Indeno(1,2,3-cd)pyrene	ND	3.3								
Naphthalene	ND	3.3								
Phenanthrene	ND	3.3								
Pyrene	ND	3.3								
Surr: 2-Fluorobiphenyl	143.3	0	166.7	0	86	12-100	0			
Surr: 4-Terphenyl-d14	157	0	166.7	0	94.2	25-137	0			
Surr: Nitrobenzene-d5	138	0	166.7	0	82.8	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 56039 Instrument ID SVMS7 Method: SW8270M

LCS		Sample ID: SLCSS1-56039-56039			Units: µg/Kg			Analysis Date: 2/25/2014 03:28 PM		
Client ID:		Run ID: SVMS7_140225A			SeqNo: 2655506			Prep Date: 2/24/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	66.67	3.3	66.67	0	100	35-110	0			
Acenaphthylene	64.33	3.3	66.67	0	96.5	35-115	0			
Anthracene	65.67	3.3	66.67	0	98.5	45-125	0			
Benzo(a)anthracene	67.67	3.3	66.67	0	102	50-105	0			
Benzo(a)pyrene	62.33	3.3	66.67	0	93.5	40-135	0			
Benzo(b)fluoranthene	65	3.3	66.67	0	97.5	55-120	0			
Benzo(b-k)fluoranthene	133	6.7	133.3	0	99.8	55-120	0			
Benzo(g,h,i)perylene	69.67	3.3	66.67	0	105	55-115	0			
Benzo(k)fluoranthene	68	3.3	66.67	0	102	55-120	0			
Chrysene	69.67	3.3	66.67	0	105	55-120	0			
Dibenzo(a,h)anthracene	64	3.3	66.67	0	96	45-115	0			
Fluoranthene	61.33	3.3	66.67	0	92	40-135	0			
Fluorene	59.67	3.3	66.67	0	89.5	45-105	0			
Indeno(1,2,3-cd)pyrene	64	3.3	66.67	0	96	55-135	0			
Naphthalene	60	3.3	66.67	0	90	50-110	0			
Phenanthrene	57.67	3.3	66.67	0	86.5	55-125	0			
Pyrene	67	3.3	66.67	0	101	50-115	0			
Surr: 2-Fluorobiphenyl	150.3	0	166.7	0	90.2	12-100	0			
Surr: 4-Terphenyl-d14	174	0	166.7	0	104	25-137	0			
Surr: Nitrobenzene-d5	137.3	0	166.7	0	82.4	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 56039 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 1402737-05B MS			Units: µg/Kg		Analysis Date: 2/25/2014 04:02 PM			
Client ID: SS-19 with MS/MSD		Run ID: SVMS7_140225A			SeqNo: 2655508		Prep Date: 2/24/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	139.9	6.4	127.8	0	110	35-110	0			
Acenaphthylene	132.9	6.4	127.8	0	104	35-115	0			
Anthracene	116.9	6.4	127.8	0	91.5	45-125	0			
Benzo(a)anthracene	115	6.4	127.8	0.656	89.5	50-105	0			
Benzo(a)pyrene	114.3	6.4	127.8	0	89.5	40-135	0			
Benzo(b)fluoranthene	117.5	6.4	127.8	2.624	89.9	55-120	0			
Benzo(b-k)fluoranthene	241.5	13	255.5	2.624	93.5	55-120	0			
Benzo(g,h,i)perylene	134.8	6.4	127.8	0	106	55-115	0			
Benzo(k)fluoranthene	123.9	6.4	127.8	0	97	55-120	0			
Chrysene	118.8	6.4	127.8	0	93	55-120	0			
Dibenzo(a,h)anthracene	116.3	6.4	127.8	0	91	45-115	0			
Fluoranthene	114.3	6.4	127.8	2.624	87.4	40-135	0			
Fluorene	110.5	6.4	127.8	0	86.5	45-105	0			
Indeno(1,2,3-cd)pyrene	119.5	6.4	127.8	0	93.5	55-135	0			
Naphthalene	102.2	6.4	127.8	0	80	50-110	0			
Phenanthrene	104.1	6.4	127.8	0	81.5	55-125	0			
Pyrene	122	6.4	127.8	0	95.5	50-115	0			
Surr: 2-Fluorobiphenyl	355.2	0	319.4	0	111	12-100	0			S
Surr: 4-Terphenyl-d14	295.1	0	319.4	0	92.4	25-137	0			
Surr: Nitrobenzene-d5	233.2	0	319.4	0	73	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

**QC BATCH REPORT**

Batch ID: 56039 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 1402737-06B MS			Units: µg/Kg			Analysis Date: 2/25/2014 05:10 PM		
Client ID: SB-20 with MS/MSD		Run ID: SVMS7_140225A			SeqNo: 2655510			Prep Date: 2/24/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	105.1	6.6	132.2	0	79.5	35-110	0			
Acenaphthylene	109.8	6.6	132.2	0	83	35-115	0			
Anthracene	117	6.6	132.2	0	88.5	45-125	0			
Benzo(a)anthracene	111.1	6.6	132.2	0	84	50-105	0			
Benzo(a)pyrene	111.1	6.6	132.2	0	84	40-135	0			
Benzo(b)fluoranthene	113.7	6.6	132.2	1.914	84.6	55-120	0			
Benzo(b-k)fluoranthene	233.4	13	264.5	1.914	87.5	55-120	0			
Benzo(g,h,i)perylene	129.6	6.6	132.2	0	98	55-115	0			
Benzo(k)fluoranthene	119.7	6.6	132.2	0	90.5	55-120	0			
Chrysene	111.1	6.6	132.2	0	84	55-120	0			
Dibenzo(a,h)anthracene	112.4	6.6	132.2	0	85	45-115	0			
Fluoranthene	107.1	6.6	132.2	0	81	40-135	0			
Fluorene	100.5	6.6	132.2	0	76	45-105	0			
Indeno(1,2,3-cd)pyrene	115.1	6.6	132.2	0	87	55-135	0			
Naphthalene	111.8	6.6	132.2	0	84.5	50-110	0			
Phenanthrene	102.5	6.6	132.2	0	77.5	55-125	0			
Pyrene	109.8	6.6	132.2	0	83	50-115	0			
Surr: 2-Fluorobiphenyl	224.8	0	330.6	0	68	12-100	0			
Surr: 4-Terphenyl-d14	261.2	0	330.6	0	79	25-137	0			
Surr: Nitrobenzene-d5	248.6	0	330.6	0	75.2	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

**QC BATCH REPORT**

Batch ID: 56039 Instrument ID SVMS7 Method: SW8270M

MSD		Sample ID: 1402737-06B MSD			Units: µg/Kg			Analysis Date: 2/25/2014 05:43 PM		
Client ID: SB-20 with MS/MSD		Run ID: SVMS7_140225A			SeqNo:2655511			Prep Date: 2/24/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	99.43	6.6	131.7	0	75.5	35-110	105.1	5.58	40	
Acenaphthylene	108.6	6.6	131.7	0	82.5	35-115	109.8	1.03	40	
Anthracene	118.5	6.6	131.7	0	90	45-125	117	1.26	40	
Benzo(a)anthracene	113.9	6.6	131.7	0	86.5	50-105	111.1	2.51	40	
Benzo(a)pyrene	118.5	6.6	131.7	0	90	40-135	111.1	6.47	40	
Benzo(b)fluoranthene	121.2	6.6	131.7	1.914	90.5	55-120	113.7	6.32	40	
Benzo(b-k)fluoranthene	251.5	13	263.4	1.914	94.8	55-120	233.4	7.47	40	
Benzo(g,h,i)perylene	139.6	6.6	131.7	0	106	55-115	129.6	7.42	40	
Benzo(k)fluoranthene	130.4	6.6	131.7	0	99	55-120	119.7	8.55	40	
Chrysene	113.3	6.6	131.7	0	86	55-120	111.1	1.93	40	
Dibenzo(a,h)anthracene	121.8	6.6	131.7	0	92.5	45-115	112.4	8.03	40	
Fluoranthene	119.2	6.6	131.7	0	90.5	40-135	107.1	10.7	40	
Fluorene	98.77	6.6	131.7	0	75	45-105	100.5	1.75	40	
Indeno(1,2,3-cd)pyrene	123.1	6.6	131.7	0	93.5	55-135	115.1	6.78	40	
Naphthalene	100.1	6.6	131.7	0	76	50-110	111.8	11	40	
Phenanthrene	105.4	6.6	131.7	0	80	55-125	102.5	2.75	40	
Pyrene	114.6	6.6	131.7	0	87	50-115	109.8	4.28	40	
Surr: 2-Fluorobiphenyl	203.5	0	329.2	0	61.8	12-100	224.8	9.97	40	
Surr: 4-Terphenyl-d14	283.1	0	329.2	0	86	25-137	261.2	8.06	40	
Surr: Nitrobenzene-d5	228.5	0	329.2	0	69.4	37-107	248.6	8.44	40	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

**QC BATCH REPORT**

Batch ID: 56039 Instrument ID SVMS7 Method: SW8270M

MSD		Sample ID: 1402737-05B MSD			Units: µg/Kg			Analysis Date: 2/25/2014 04:36 PM		
Client ID: SS-19 with MS/MSD		Run ID: SVMS7_140225A			SeqNo:2655603			Prep Date: 2/24/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	129.5	6.5	129.5	0	100	35-110	139.9	7.73	40	
Acenaphthylene	121.7	6.5	129.5	0	94	35-115	132.9	8.76	40	
Anthracene	123	6.5	129.5	0	95	45-125	116.9	5.1	40	
Benzo(a)anthracene	122.4	6.5	129.5	0.656	94	50-105	115	6.22	40	
Benzo(a)pyrene	119.8	6.5	129.5	0	92.5	40-135	114.3	4.64	40	
Benzo(b)fluoranthene	126.9	6.5	129.5	2.624	96	55-120	117.5	7.66	40	
Benzo(b-k)fluoranthene	255.7	13	259	2.624	97.7	55-120	241.5	5.74	40	
Benzo(g,h,i)perylene	142.4	6.5	129.5	0	110	55-115	134.8	5.52	40	
Benzo(k)fluoranthene	128.8	6.5	129.5	0	99.5	55-120	123.9	3.89	40	
Chrysene	122.4	6.5	129.5	0	94.5	55-120	118.8	2.94	40	
Dibenzo(a,h)anthracene	121.1	6.5	129.5	0	93.5	45-115	116.3	4.05	40	
Fluoranthene	119.8	6.5	129.5	2.624	90.5	40-135	114.3	4.64	40	
Fluorene	112.7	6.5	129.5	0	87	45-105	110.5	1.92	40	
Indeno(1,2,3-cd)pyrene	125	6.5	129.5	0	96.5	55-135	119.5	4.5	40	
Naphthalene	112.7	6.5	129.5	0	87	50-110	102.2	9.72	40	
Phenanthrene	110.1	6.5	129.5	0	85	55-125	104.1	5.55	40	
Pyrene	126.3	6.5	129.5	0	97.5	50-115	122	3.42	40	
Surr: 2-Fluorobiphenyl	294.6	0	323.7	0	91	12-100	355.2	18.6	40	
Surr: 4-Terphenyl-d14	294.6	0	323.7	0	91	25-137	295.1	0.183	40	
Surr: Nitrobenzene-d5	250.6	0	323.7	0	77.4	37-107	233.2	7.19	40	

The following samples were analyzed in this batch:

1402737-01B	1402737-02B	1402737-03B
1402737-04B	1402737-05B	1402737-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55964 Instrument ID VMS5 Method: SW8260B

MBLK	Sample ID: MBLK-55964-55964	Units: µg/Kg					Analysis Date: 2/21/2014 02:51 PM				
Client ID:	Run ID: VMS5_140221A	SeqNo:2651525	Prep Date: 2/21/2014	DF: 1							
Analyte	Result	PQL	SPK Vai	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	ND	30									
1,1,2,2-Tetrachloroethane	ND	30									
1,1,2-Trichloroethane	ND	30									
1,1-Dichloroethane	ND	30									
1,1-Dichloroethene	ND	30									
1,2-Dichloroethane	ND	30									
1,2-Dichloropropane	ND	30									
2-Butanone	ND	200									
2-Hexanone	ND	30									
4-Methyl-2-pentanone	ND	30									
Acetone	ND	100									
Benzene	ND	30									
Bromodichloromethane	ND	30									
Bromoform	ND	30									
Bromomethane	ND	75									
Carbon disulfide	ND	30									
Carbon tetrachloride	ND	30									
Chlorobenzene	ND	30									
Chloroethane	ND	100									
Chloroform	ND	30									
Chloromethane	ND	100									
cis-1,2-Dichloroethene	ND	30									
cis-1,3-Dichloropropene	ND	30									
Dibromochloromethane	ND	30									
Ethylbenzene	ND	30									
m,p-Xylene	ND	60									
Methylene chloride	82	30									
o-Xylene	ND	30									
Styrene	ND	30									
Tetrachloroethene	ND	30									
Toluene	ND	30									
trans-1,2-Dichloroethene	ND	30									
trans-1,3-Dichloropropene	ND	30									
Trichloroethene	ND	30									
Vinyl chloride	ND	30									
1,2-Dichloroethene, Total	ND	60									
1,3-Dichloropropene, Total	ND	60									
Xylenes, Total	ND	90									
Surr: 1,2-Dichloroethane-d4	976	0	1000	0	97.6	70-130	0				
Surr: 4-Bromofluorobenzene	987.5	0	1000	0	98.8	70-130	0				
Surr: Dibromofluoromethane	965.5	0	1000	0	96.6	70-130	0				
Surr: Toluene-d8	1010	0	1000	0	101	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55964 Instrument ID VMS5 Method: SW8260B

LCS		Sample ID: LCS-55964-55964			Units: µg/Kg			Analysis Date: 2/21/2014 01:05 PM			
Client ID:		Run ID: VMS5_140221A			SeqNo:2651516			Prep Date: 2/21/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	1011	30	1000	0	101	70-135	0				
1,1,2,2-Tetrachloroethane	1058	30	1000	0	106	55-130	0				
1,1,2-Trichloroethane	1061	30	1000	0	106	60-125	0				
1,1-Dichloroethane	1056	30	1000	0	106	75-125	0				
1,1-Dichloroethene	1061	30	1000	0	106	65-135	0				
1,2-Dichloroethane	1008	30	1000	0	101	70-135	0				
1,2-Dichloropropane	1038	30	1000	0	104	70-120	0				
2-Butanone	947.5	200	1000	0	94.8	30-160	0				
2-Hexanone	1034	30	1000	0	103	45-145	0				
4-Methyl-2-pentanone	1350	30	1000	0	135	96-168	0				
Acetone	823.5	100	1000	0	82.4	20-160	0				
Benzene	1019	30	1000	0	102	75-125	0				
Bromodichloromethane	1018	30	1000	0	102	70-130	0				
Bromoform	853.5	30	1000	0	85.4	55-135	0				
Bromomethane	1051	75	1000	0	105	30-160	0				
Carbon disulfide	1148	30	1000	0	115	45-160	0				
Carbon tetrachloride	854.5	30	1000	0	85.4	65-135	0				
Chlorobenzene	1032	30	1000	0	103	75-125	0				
Chloroethane	882.5	100	1000	0	88.2	40-155	0				
Chloroform	983.5	30	1000	0	98.4	70-125	0				
Chloromethane	714.5	100	1000	0	71.4	50-130	0				
cis-1,2-Dichloroethene	1095	30	1000	0	110	65-125	0				
cis-1,3-Dichloropropene	1190	30	1000	0	119	70-125	0				
Dibromochloromethane	840	30	1000	0	84	65-135	0				
Ethylbenzene	1058	30	1000	0	106	75-125	0				
m,p-Xylene	2158	60	2000	0	108	80-125	0				
Methylene chloride	1054	30	1000	0	105	55-145	0			B	
o-Xylene	1072	30	1000	0	107	75-125	0				
Styrene	1100	30	1000	0	110	75-125	0				
Tetrachloroethene	1032	30	1000	0	103	64-140	0				
Toluene	1029	30	1000	0	103	70-125	0				
trans-1,2-Dichloroethene	1086	30	1000	0	109	65-135	0				
trans-1,3-Dichloropropene	1067	30	1000	0	107	65-125	0				
Trichloroethene	1058	30	1000	0	106	75-125	0				
Vinyl chloride	798.5	30	1000	0	79.8	60-125	0				
Xylenes, Total	3230	90	3000	0	108	75-125	0				
Surr: 1,2-Dichloroethane-d4	962.5	0	1000	0	96.2	70-130	0				
Surr: 4-Bromofluorobenzene	992.5	0	1000	0	99.2	70-130	0				
Surr: Dibromofluoromethane	976.5	0	1000	0	97.6	70-130	0				
Surr: Toluene-d8	995.5	0	1000	0	99.6	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55964 Instrument ID VMS5 Method: SW8260B

MS		Sample ID: 1402737-05A MS			Units: µg/Kg			Analysis Date: 2/22/2014 09:42 AM		
Client ID: SS-19 with MS/MSD		Run ID: VMS5_140221B			SeqNo:2651659		Prep Date: 2/21/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1041	30	1000	0	104	70-135	0			
1,1,2,2-Tetrachloroethane	972	30	1000	0	97.2	55-130	0			
1,1,2-Trichloroethane	1032	30	1000	0	103	60-125	0			
1,1-Dichloroethane	1028	30	1000	0	103	75-125	0			
1,1-Dichloroethene	1098	30	1000	0	110	65-135	0			
1,2-Dichloroethane	1024	30	1000	0	102	70-135	0			
1,2-Dichloropropane	1016	30	1000	0	102	70-120	0			
2-Butanone	850	200	1000	0	85	30-160	0			
2-Hexanone	862.5	30	1000	0	86.2	45-145	0			
4-Methyl-2-pentanone	1132	30	1000	0	113	89-161	0			
Acetone	836.5	100	1000	0	83.6	20-160	0			
Benzene	1022	30	1000	0	102	75-125	0			
Bromodichloromethane	949	30	1000	0	94.9	70-130	0			
Bromoform	711	30	1000	0	71.1	55-135	0			
Bromomethane	1059	75	1000	0	106	30-160	0			
Carbon disulfide	1140	30	1000	104.5	104	45-160	0			
Carbon tetrachloride	886.5	30	1000	0	88.6	65-135	0			
Chlorobenzene	1048	30	1000	0	105	75-125	0			
Chloroethane	931	100	1000	0	93.1	40-155	0			
Chloroform	992.5	30	1000	0	99.2	70-125	0			
Chloromethane	716.5	100	1000	0	71.6	50-130	0			
cis-1,2-Dichloroethene	1054	30	1000	0	105	65-125	0			
cis-1,3-Dichloropropene	1070	30	1000	0	107	70-125	0			
Dibromochloromethane	741.5	30	1000	0	74.2	65-135	0			
Ethylbenzene	1087	30	1000	0	109	75-125	0			
m,p-Xylene	2156	60	2000	0	108	80-125	0			
Methylene chloride	1050	30	1000	0	105	55-145	0			B
o-Xylene	1083	30	1000	0	108	75-125	0			
Styrene	1096	30	1000	0	110	75-125	0			
Tetrachloroethene	1078	30	1000	0	108	64-140	0			
Toluene	1032	30	1000	0	103	70-125	0			
trans-1,2-Dichloroethene	1116	30	1000	0	112	65-135	0			
trans-1,3-Dichloropropene	925	30	1000	0	92.5	65-125	0			
Trichloroethene	1072	30	1000	0	107	75-125	0			
Vinyl chloride	846	30	1000	0	84.6	60-125	0			
Xylenes, Total	3240	90	3000	0	108	75-125	0			
Surr: 1,2-Dichloroethane-d4	965	0	1000	0	96.5	70-130	0			
Surr: 4-Bromofluorobenzene	1006	0	1000	0	101	70-130	0			
Surr: Dibromofluoromethane	960.5	0	1000	0	96	70-130	0			
Surr: Toluene-d8	996	0	1000	0	99.6	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55964 Instrument ID VMS5 Method: SW8260B

MS		Sample ID: 1402737-06A MS			Units: µg/Kg		Analysis Date: 2/22/2014 10:34 AM			
Client ID: SB-20 with MS/MSD		Run ID: VMS5_140221B			SeqNo:2651661		Prep Date: 2/21/2014		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1084	30	1000	0	108	70-135	0			
1,1,2,2-Tetrachloroethane	1022	30	1000	0	102	55-130	0			
1,1,2-Trichloroethane	1020	30	1000	0	102	60-125	0			
1,1-Dichloroethane	1051	30	1000	0	105	75-125	0			
1,1-Dichloroethene	1138	30	1000	0	114	65-135	0			
1,2-Dichloroethane	1032	30	1000	0	103	70-135	0			
1,2-Dichloropropane	1030	30	1000	0	103	70-120	0			
2-Butanone	939.5	200	1000	0	94	30-160	0			
2-Hexanone	968	30	1000	0	96.8	45-145	0			
4-Methyl-2-pentanone	1240	30	1000	0	124	89-161	0			
Acetone	1006	100	1000	0	101	20-160	0			
Benzene	1038	30	1000	0	104	75-125	0			
Bromodichloromethane	970	30	1000	0	97	70-130	0			
Bromoform	731	30	1000	0	73.1	55-135	0			
Bromomethane	601.5	75	1000	0	60.2	30-160	0			
Carbon disulfide	1152	30	1000	56.5	110	45-160	0			
Carbon tetrachloride	893	30	1000	0	89.3	65-135	0			
Chlorobenzene	1072	30	1000	0	107	75-125	0			
Chloroethane	833.5	100	1000	0	83.4	40-155	0			
Chloroform	1008	30	1000	0	101	70-125	0			
Chloromethane	742.5	100	1000	0	74.2	50-130	0			
cis-1,2-Dichloroethene	1060	30	1000	0	106	65-125	0			
cis-1,3-Dichloropropene	1084	30	1000	0	108	70-125	0			
Dibromochloromethane	772	30	1000	0	77.2	65-135	0			
Ethylbenzene	1110	30	1000	0	111	75-125	0			
m,p-Xylene	2195	60	2000	0	110	80-125	0			
Methylene chloride	1084	30	1000	0	108	55-145	0			B
o-Xylene	1099	30	1000	0	110	75-125	0			
Styrene	1122	30	1000	0	112	75-125	0			
Tetrachloroethene	1114	30	1000	0	111	64-140	0			
Toluene	1058	30	1000	0	106	70-125	0			
trans-1,2-Dichloroethene	1130	30	1000	0	113	65-135	0			
trans-1,3-Dichloropropene	990.5	30	1000	0	99	65-125	0			
Trichloroethene	1106	30	1000	0	111	75-125	0			
Vinyl chloride	867.5	30	1000	0	86.8	60-125	0			
Xylenes, Total	3294	90	3000	0	110	75-125	0			
Surr: 1,2-Dichloroethane-d4	957	0	1000	0	95.7	70-130	0			
Surr: 4-Bromofluorobenzene	999.5	0	1000	0	100	70-130	0			
Surr: Dibromofluoromethane	961.5	0	1000	0	96.2	70-130	0			
Surr: Toluene-d8	992	0	1000	0	99.2	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55964 Instrument ID VMS5 Method: SW8260B

MSD		Sample ID: 1402737-05A MSD			Units: µg/Kg			Analysis Date: 2/22/2014 10:08 AM		
Client ID: SS-19 with MS/MSD		Run ID: VMS5_140221B			SeqNo:2651660			Prep Date: 2/21/2014		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1030	30	1000	0	103	70-135	1041	1.01	30	
1,1,2,2-Tetrachloroethane	1002	30	1000	0	100	55-130	972	2.99	30	
1,1,2-Trichloroethane	1030	30	1000	0	103	60-125	1032	0.194	30	
1,1-Dichloroethane	1064	30	1000	0	106	75-125	1028	3.44	30	
1,1-Dichloroethene	1103	30	1000	0	110	65-135	1098	0.454	30	
1,2-Dichloroethane	1008	30	1000	0	101	70-135	1024	1.62	30	
1,2-Dichloropropane	1018	30	1000	0	102	70-120	1016	0.246	30	
2-Butanone	945.5	200	1000	0	94.6	30-160	850	10.6	30	
2-Hexanone	940	30	1000	0	94	45-145	862.5	8.6	30	
4-Methyl-2-pentanone	1225	30	1000	0	122	89-161	1132	7.94	30	
Acetone	964.5	100	1000	0	96.4	20-160	836.5	14.2	30	
Benzene	1006	30	1000	0	101	75-125	1022	1.58	30	
Bromodichloromethane	943.5	30	1000	0	94.4	70-130	949	0.581	30	
Bromoform	697	30	1000	0	69.7	55-135	711	1.99	30	
Bromomethane	588.5	75	1000	0	58.8	30-160	1059	57.1	30	R
Carbon disulfide	1084	30	1000	104.5	97.9	45-160	1140	5.08	30	
Carbon tetrachloride	888.5	30	1000	0	88.8	65-135	886.5	0.225	30	
Chlorobenzene	1024	30	1000	0	102	75-125	1048	2.37	30	
Chloroethane	843.5	100	1000	0	84.4	40-155	931	9.86	30	
Chloroform	985	30	1000	0	98.5	70-125	992.5	0.759	30	
Chloromethane	721	100	1000	0	72.1	50-130	716.5	0.626	30	
cis-1,2-Dichloroethene	1046	30	1000	0	105	65-125	1054	0.714	30	
cis-1,3-Dichloropropene	1078	30	1000	0	108	70-125	1070	0.745	30	
Dibromochloromethane	742.5	30	1000	0	74.2	65-135	741.5	0.135	30	
Ethylbenzene	1058	30	1000	0	106	75-125	1087	2.75	30	
m,p-Xylene	2143	60	2000	0	107	80-125	2156	0.628	30	
Methylene chloride	1060	30	1000	0	106	55-145	1050	0.947	30	B
o-Xylene	1060	30	1000	0	106	75-125	1083	2.19	30	
Styrene	1086	30	1000	0	109	75-125	1096	0.917	30	
Tetrachloroethene	1040	30	1000	0	104	64-140	1078	3.54	30	
Toluene	1014	30	1000	0	101	70-125	1032	1.71	30	
trans-1,2-Dichloroethene	1116	30	1000	0	112	65-135	1116	0.0448	30	
trans-1,3-Dichloropropene	961	30	1000	0	96.1	65-125	925	3.82	30	
Trichloroethene	1083	30	1000	0	108	75-125	1072	0.974	30	
Vinyl chloride	827.5	30	1000	0	82.8	60-125	846	2.21	30	
Xylenes, Total	3202	90	3000	0	107	75-125	3240	1.15	30	
Surr: 1,2-Dichloroethane-d4	974	0	1000	0	97.4	70-130	965	0.928	30	
Surr: 4-Bromofluorobenzene	981	0	1000	0	98.1	70-130	1006	2.47	30	
Surr: Dibromofluoromethane	970.5	0	1000	0	97	70-130	960.5	1.04	30	
Surr: Toluene-d8	990.5	0	1000	0	99	70-130	996	0.554	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: 55964 Instrument ID VMS5 Method: SW8260B

MSD		Sample ID: 1402737-06A MSD			Units: µg/Kg		Analysis Date: 2/22/2014 11:00 AM			
Client ID: SB-20 with MS/MSD		Run ID: VMS5_140221B			SeqNo: 2651662		Prep Date: 2/21/2014		DF: 1	
Analyte	Result	PQL	SPK Vai	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1064	30	1000	0	106	70-135	1084	1.86	30	
1,1,2,2-Tetrachloroethane	1008	30	1000	0	101	55-130	1022	1.38	30	
1,1,2-Trichloroethane	1039	30	1000	0	104	60-125	1020	1.85	30	
1,1-Dichloroethane	1032	30	1000	0	103	75-125	1051	1.87	30	
1,1-Dichloroethene	1074	30	1000	0	107	65-135	1138	5.79	30	
1,2-Dichloroethane	1020	30	1000	0	102	70-135	1032	1.07	30	
1,2-Dichloropropane	1024	30	1000	0	102	70-120	1030	0.633	30	
2-Butanone	935	200	1000	0	93.5	30-160	939.5	0.48	30	
2-Hexanone	950.5	30	1000	0	95	45-145	968	1.82	30	
4-Methyl-2-pentanone	1232	30	1000	0	123	89-161	1240	0.566	30	
Acetone	966.5	100	1000	0	96.6	20-160	1006	4.05	30	
Benzene	1016	30	1000	0	102	75-125	1038	2.19	30	
Bromodichloromethane	951	30	1000	0	95.1	70-130	970	1.98	30	
Bromoform	721.5	30	1000	0	72.2	55-135	731	1.31	30	
Bromomethane	586	75	1000	0	58.6	30-160	601.5	2.61	30	
Carbon disulfide	1046	30	1000	56.5	99	45-160	1152	9.69	30	
Carbon tetrachloride	886.5	30	1000	0	88.6	65-135	893	0.731	30	
Chlorobenzene	1036	30	1000	0	104	75-125	1072	3.37	30	
Chloroethane	806	100	1000	0	80.6	40-155	833.5	3.35	30	
Chloroform	975.5	30	1000	0	97.6	70-125	1008	3.28	30	
Chloromethane	704	100	1000	0	70.4	50-130	742.5	5.32	30	
cis-1,2-Dichloroethene	1022	30	1000	0	102	65-125	1060	3.65	30	
cis-1,3-Dichloropropene	1078	30	1000	0	108	70-125	1084	0.555	30	
Dibromochloromethane	743.5	30	1000	0	74.4	65-135	772	3.76	30	
Ethylbenzene	1076	30	1000	0	108	75-125	1110	3.11	30	
m,p-Xylene	2154	60	2000	0	108	80-125	2195	1.89	30	
Methylene chloride	1052	30	1000	0	105	55-145	1084	3.04	30	B
o-Xylene	1086	30	1000	0	109	75-125	1099	1.19	30	
Styrene	1098	30	1000	0	110	75-125	1122	2.16	30	
Tetrachloroethene	1088	30	1000	0	109	64-140	1114	2.45	30	
Toluene	1030	30	1000	0	103	70-125	1058	2.78	30	
trans-1,2-Dichloroethene	1069	30	1000	0	107	65-135	1130	5.55	30	
trans-1,3-Dichloropropene	965.5	30	1000	0	96.6	65-125	990.5	2.56	30	
Trichloroethene	1042	30	1000	0	104	75-125	1106	5.96	30	
Vinyl chloride	838	30	1000	0	83.8	60-125	867.5	3.46	30	
Xylenes, Total	3240	90	3000	0	108	75-125	3294	1.65	30	
Surr: 1,2-Dichloroethane-d4	956.5	0	1000	0	95.6	70-130	957	0.0523	30	
Surr: 4-Bromofluorobenzene	997.5	0	1000	0	99.8	70-130	999.5	0.2	30	
Surr: Dibromofluoromethane	958	0	1000	0	95.8	70-130	961.5	0.365	30	
Surr: Toluene-d8	977.5	0	1000	0	97.8	70-130	992	1.47	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Triad Engineering, Inc.  
**Work Order:** 1402737  
**Project:** John's Manville - Riverside Parcels

## QC BATCH REPORT

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Batch ID: 55964      Instrument ID VMS5      Method: SW8260B

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The following samples were analyzed in this batch:

1402737-01A	1402737-02A	1402737-03A
1402737-04A	1402737-05A	1402737-06A
1402737-10A	1402737-11A	1402737-12A
1402737-13A	1402737-14A	1402737-15A
1402737-16A	1402737-17A	

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: R136121 Instrument ID VMS5 Method: SW8260

MBLK	Sample ID: VBLKW2-140224-R136121	Units: µg/L					Analysis Date: 2/25/2014 12:14 PM				
Client ID:	Run ID: VMS5_140224B	SeqNo: 2653452			Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	ND	1.0									
1,1,1,2,2-Tetrachloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	1.0									
1,1-Dichloroethane	ND	1.0									
1,1-Dichloroethene	ND	1.0									
1,2-Dichloroethane	ND	1.0									
1,2-Dichloropropane	ND	2.0									
2-Butanone	ND	5.0									
2-Hexanone	ND	5.0									
4-Methyl-2-pentanone	ND	5.0									
Acetone	ND	20									
Benzene	ND	1.0									
Bromodichloromethane	ND	1.0									
Bromoform	ND	1.0									
Bromomethane	ND	1.0									
Carbon disulfide	ND	2.5									
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	1.0									
Chloroethane	ND	1.0									
Chloroform	ND	1.0									
Chloromethane	ND	1.0									
cis-1,2-Dichloroethene	ND	1.0									
cis-1,3-Dichloropropene	ND	1.0									
Dibromochloromethane	ND	1.0									
Ethylbenzene	ND	1.0									
m,p-Xylene	ND	2.0									
Methylene chloride	ND	5.0									
o-Xylene	ND	1.0									
Styrene	ND	1.0									
Tetrachloroethene	ND	2.0									
Toluene	ND	1.0									
trans-1,2-Dichloroethene	ND	1.0									
trans-1,3-Dichloropropene	ND	1.0									
Trichloroethene	ND	1.0									
Vinyl chloride	ND	1.0									
1,2-Dichloroethene, Total	ND	2.0									
1,3-Dichloropropene, Total	ND	2.0									
Xylenes, Total	ND	3.0									
Surr: 1,2-Dichloroethane-d4	19.19	0	20	0	96	70-120	0				
Surr: 4-Bromofluorobenzene	19.71	0	20	0	98.6	75-120	0				
Surr: Dibromofluoromethane	19.77	0	20	0	98.8	85-115	0				
Surr: Toluene-d8	19.6	0	20	0	98	85-120	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: R136121 Instrument ID VMS5 Method: SW8260

LCS		Sample ID: VLCSW3-140224-R136121				Units: µg/L		Analysis Date: 2/24/2014 11:22 PM		
Client ID:		Run ID: VMS5_140224B				SeqNo:2653443		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.79	1.0	20	0	109	65-130	0			
1,1,2,2-Tetrachloroethane	21.48	1.0	20	0	107	65-130	0			
1,1,2-Trichloroethane	21.44	1.0	20	0	107	75-125	0			
1,1-Dichloroethane	22.06	1.0	20	0	110	70-135	0			
1,1-Dichloroethene	22.81	1.0	20	0	114	70-130	0			
1,2-Dichloroethane	20.96	1.0	20	0	105	87-179	0			
1,2-Dichloropropane	21.14	2.0	20	0	106	75-125	0			
2-Butanone	18.88	5.0	20	0	94.4	30-150	0			
2-Hexanone	19.46	5.0	20	0	97.3	55-130	0			
4-Methyl-2-pentanone	26	5.0	20	0	130	77-178	0			
Acetone	16.39	20	20	0	82	40-140	0			J
Benzene	20.9	1.0	20	0	104	80-120	0			
Bromodichloromethane	21.13	1.0	20	0	106	75-120	0			
Bromoform	20.11	1.0	20	0	101	70-130	0			
Bromomethane	23.21	1.0	20	0	116	30-145	0			
Carbon disulfide	24.29	2.5	20	0	121	35-165	0			
Carbon tetrachloride	20.14	1.0	20	0	101	65-140	0			
Chlorobenzene	21.7	1.0	20	0	108	80-120	0			
Chloroethane	18.85	1.0	20	0	94.2	60-135	0			
Chloroform	20.38	1.0	20	0	102	65-135	0			
Chloromethane	14.78	1.0	20	0	73.9	70-125	0			
cis-1,2-Dichloroethene	22.13	1.0	20	0	111	70-125	0			
cis-1,3-Dichloropropene	23.67	1.0	20	0	118	70-130	0			
Dibromochloromethane	18.69	1.0	20	0	93.4	60-135	0			
Ethylbenzene	21.68	1.0	20	0	108	75-125	0			
m,p-Xylene	44.3	2.0	40	0	111	75-130	0			
Methylene chloride	21.83	5.0	20	0	109	55-140	0			
o-Xylene	21.94	1.0	20	0	110	80-120	0			
Styrene	22.69	1.0	20	0	113	65-135	0			
Tetrachloroethene	21.81	2.0	20	0	109	45-150	0			
Toluene	21.12	1.0	20	0	106	75-120	0			
trans-1,2-Dichloroethene	22.57	1.0	20	0	113	60-140	0			
trans-1,3-Dichloropropene	21.57	1.0	20	0	108	55-140	0			
Trichloroethene	22.07	1.0	20	0	110	70-125	0			
Vinyl chloride	17.34	1.0	20	0	86.7	50-145	0			
Xylenes, Total	66.24	3.0	60	0	110	75-130	0			
Surr: 1,2-Dichloroethane-d4	18.86	0	20	0	94.3	70-120	0			
Surr: 4-Bromofluorobenzene	20.02	0	20	0	100	75-120	0			
Surr: Dibromofluoromethane	19.92	0	20	0	99.6	85-115	0			
Surr: Toluene-d8	19.55	0	20	0	97.8	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: R136121 Instrument ID VMS5 Method: SW8260

MS	Sample ID: 1402837-14A MS	Units: µg/L		Analysis Date: 2/25/2014 09:22 AM						
Client ID:	Run ID: VMS5_140224B	SeqNo: 2653450	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	23.01	1.0	20	0	115	65-130	0	0		
1,1,2,2-Tetrachloroethane	19.45	1.0	20	0	97.2	65-130	0	0		
1,1,2-Trichloroethane	19.79	1.0	20	0	99	75-125	0	0		
1,1-Dichloroethane	21.9	1.0	20	0	110	70-135	0	0		
1,1-Dichloroethene	24.79	1.0	20	0	124	70-130	0	0		
1,2-Dichloroethane	20.23	1.0	20	0	101	70-130	0	0		
1,2-Dichloropropane	20.89	2.0	20	0	104	75-125	0	0		
2-Butanone	16.54	5.0	20	0	82.7	30-150	0	0		
2-Hexanone	17.87	5.0	20	0	89.4	55-130	0	0		
4-Methyl-2-pentanone	23.37	5.0	20	0	117	73-162	0	0		
Acetone	17.75	20	20	0	88.8	40-140	0	0		J
Benzene	21.17	1.0	20	0	106	80-120	0	0		
Bromodichloromethane	19.45	1.0	20	0	97.2	75-120	0	0		
Bromoform	15.13	1.0	20	0	75.6	70-130	0	0		
Bromomethane	19.92	1.0	20	0	99.6	30-145	0	0		
Carbon disulfide	25.2	2.5	20	0	126	35-165	0	0		
Carbon tetrachloride	20.21	1.0	20	0	101	65-140	0	0		
Chlorobenzene	20.86	1.0	20	0	104	80-120	0	0		
Chloroethane	18.58	1.0	20	0	92.9	60-135	0	0		
Chloroform	20.68	1.0	20	0	103	65-135	0	0		
Chloromethane	15.25	1.0	20	0	76.2	70-125	0	0		
cis-1,2-Dichloroethene	21.39	1.0	20	0	107	70-125	0	0		
cis-1,3-Dichloropropene	21.99	1.0	20	0	110	70-130	0	0		
Dibromochloromethane	15.29	1.0	20	0	76.4	60-135	0	0		
Ethylbenzene	21.76	1.0	20	0	109	75-125	0	0		
m,p-Xylene	43.76	2.0	40	0	109	75-130	0	0		
Methylene chloride	21.09	5.0	20	0	105	55-140	0	0		
o-Xylene	21.45	1.0	20	0	107	80-120	0	0		
Styrene	21.63	1.0	20	0	108	65-135	0	0		
Tetrachloroethene	22.96	2.0	20	0	115	45-150	0	0		
Toluene	20.92	1.0	20	0	105	75-120	0	0		
trans-1,2-Dichloroethene	22.7	1.0	20	0	114	60-140	0	0		
trans-1,3-Dichloropropene	18.97	1.0	20	0	94.8	55-140	0	0		
Trichloroethene	22.95	1.0	20	0	115	70-125	0	0		
Vinyl chloride	19.13	1.0	20	0	95.6	50-145	0	0		
Xylenes, Total	65.21	3.0	60	0	109	75-130	0	0		
Surr: 1,2-Dichloroethane-d4	18.77	0	20	0	93.8	70-120	0	0		
Surr: 4-Bromofluorobenzene	19.82	0	20	0	99.1	75-120	0	0		
Surr: Dibromofluoromethane	19.01	0	20	0	95	85-115	0	0		
Surr: Toluene-d8	19.17	0	20	0	95.8	85-120	0	0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: R136121 Instrument ID VMS5 Method: SW8260

MSD	Sample ID: 1402837-14A MSD	Units: µg/L					Analysis Date: 2/25/2014 09:48 AM				
Client ID:	Run ID: VMS5_140224B	SeqNo:2653451			Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	22.87	1.0	20	0	114	65-130	23.01	0.61	30		
1,1,2,2-Tetrachloroethane	19.58	1.0	20	0	97.9	65-130	19.45	0.666	30		
1,1,2-Trichloroethane	20.28	1.0	20	0	101	75-125	19.79	2.45	30		
1,1-Dichloroethane	21.89	1.0	20	0	109	70-135	21.9	0.0457	30		
1,1-Dichloroethene	23.94	1.0	20	0	120	70-130	24.79	3.49	30		
1,2-Dichloroethane	20.71	1.0	20	0	104	70-130	20.23	2.34	30		
1,2-Dichloropropane	21.03	2.0	20	0	105	75-125	20.89	0.668	30		
2-Butanone	18.84	5.0	20	0	94.2	30-150	16.54	13	30		
2-Hexanone	18.9	5.0	20	0	94.5	55-130	17.87	5.6	30		
4-Methyl-2-pentanone	25.11	5.0	20	0	126	73-162	23.37	7.18	30		
Acetone	18.84	20	20	0	94.2	40-140	17.75	0	30	J	
Benzene	21.56	1.0	20	0	108	80-120	21.17	1.83	30		
Bromodichloromethane	20.28	1.0	20	0	101	75-120	19.45	4.18	30		
Bromoform	16.43	1.0	20	0	82.2	70-130	15.13	8.24	30		
Bromomethane	21.7	1.0	20	0	108	30-145	19.92	8.55	30		
Carbon disulfide	24.55	2.5	20	0	123	35-165	25.2	2.61	30		
Carbon tetrachloride	20.57	1.0	20	0	103	65-140	20.21	1.77	30		
Chlorobenzene	21.21	1.0	20	0	106	80-120	20.86	1.66	30		
Chloroethane	18.38	1.0	20	0	91.9	60-135	18.58	1.08	30		
Chloroform	20.52	1.0	20	0	103	65-135	20.68	0.777	30		
Chloromethane	15.15	1.0	20	0	75.8	70-125	15.25	0.658	30		
cis-1,2-Dichloroethene	21.48	1.0	20	0	107	70-125	21.39	0.42	30		
cis-1,3-Dichloropropene	22.26	1.0	20	0	111	70-130	21.99	1.22	30		
Dibromochloromethane	15.75	1.0	20	0	78.8	60-135	15.29	2.96	30		
Ethylbenzene	22.66	1.0	20	0	113	75-125	21.76	4.05	30		
m,p-Xylene	45.12	2.0	40	0	113	75-130	43.76	3.06	30		
Methylene chloride	21.29	5.0	20	0	106	55-140	21.09	0.944	30		
o-Xylene	22.3	1.0	20	0	112	80-120	21.45	3.89	30		
Styrene	22.39	1.0	20	0	112	65-135	21.63	3.45	30		
Tetrachloroethene	23.58	2.0	20	0	118	45-150	22.96	2.66	30		
Toluene	21.48	1.0	20	0	107	75-120	20.92	2.64	30		
trans-1,2-Dichloroethene	23.2	1.0	20	0	116	60-140	22.7	2.18	30		
trans-1,3-Dichloropropene	19.64	1.0	20	0	98.2	55-140	18.97	3.47	30		
Trichloroethene	23.3	1.0	20	0	116	70-125	22.95	1.51	30		
Vinyl chloride	18.84	1.0	20	0	94.2	50-145	19.13	1.53	30		
Xylenes, Total	67.42	3.0	60	0	112	75-130	65.21	3.33	30		
Surr: 1,2-Dichloroethane-d4	18.96	0	20	0	94.8	70-120	18.77	1.01	30		
Surr: 4-Bromofluorobenzene	20.32	0	20	0	102	75-120	19.82	2.49	30		
Surr: Dibromofluoromethane	19.74	0	20	0	98.7	85-115	19.01	3.77	30		
Surr: Toluene-d8	19.57	0	20	0	97.8	85-120	19.17	2.07	30		

The following samples were analyzed in this batch: 1402737-26A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: R135957 Instrument ID MOIST Method: A2540 G

MBLK	Sample ID: WBLKS-R135957	Units: % of sample				Analysis Date: 2/20/2014 10:11 AM				
Client ID:	Run ID: MOIST_140220A	SeqNo: 2649020		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS	Sample ID: LCS-R135957	Units: % of sample				Analysis Date: 2/20/2014 10:11 AM				
Client ID:	Run ID: MOIST_140220A	SeqNo: 2649019		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP	Sample ID: 1402737-06B DUP	Units: % of sample				Analysis Date: 2/20/2014 10:11 AM				
Client ID: SB-20 with MS/MSD	Run ID: MOIST_140220A	SeqNo: 2649007		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	20.79	0.050	0	0	0	0-0	20.71	0.386	20	

DUP	Sample ID: 1402737-09A DUP	Units: % of sample				Analysis Date: 2/20/2014 10:11 AM				
Client ID: BG-2 with MS/MSD	Run ID: MOIST_140220A	SeqNo: 2649009		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	16	0.050	0	0	0	0-0	16.07	0.437	20	

The following samples were analyzed in this batch:

1402737-01B	1402737-02B	1402737-04B
1402737-05B	1402737-06B	1402737-09A
1402737-10B	1402737-11B	1402737-12B
1402737-13B	1402737-14B	1402737-15B
1402737-18A	1402737-23A	1402737-24A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 1402737  
 Project: John's Manville - Riverside Parcels

## QC BATCH REPORT

Batch ID: R135958 Instrument ID MOIST Method: A2540 G

MBLK	Sample ID: WBLKS-R135958	Units: % of sample				Analysis Date: 2/20/2014 04:57 PM				
Client ID:	Run ID: MOIST_140220B	SeqNo: 2649044		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

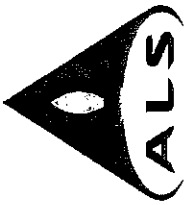
LCS	Sample ID: LCS-R135958	Units: % of sample				Analysis Date: 2/20/2014 04:57 PM				
Client ID:	Run ID: MOIST_140220B	SeqNo: 2649043		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.050	100	0	100	99.5-100.5	0			

DUP	Sample ID: 1402737-03B DUP	Units: % of sample				Analysis Date: 2/20/2014 04:57 PM				
Client ID: SB-17	Run ID: MOIST_140220B	SeqNo: 2649022		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	23.42	0.050	0	0	0	0-0	22.66	3.3	20	

DUP	Sample ID: 1402863-01A DUP	Units: % of sample				Analysis Date: 2/20/2014 04:57 PM				
Client ID:	Run ID: MOIST_140220B	SeqNo: 2649042		Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	11.82	0.050	0	0	0	0-0	11.22	5.21	20	

The following samples were analyzed in this batch:

1402737-03B	1402737-07A	1402737-08A
1402737-16B	1402737-17B	1402737-19A
1402737-20A	1402737-21A	1402737-22A
1402737-25A		



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# Chain of Custody Form

Page 1 of 3

ALS Environmental  
3352 128th Avenue  
Holland, Michigan 49424  
(Tel) 616.399.6070  
(Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager:													ALS Work Order #: 1402737	
Purchase Order: 04-13-0402		Project Name: John's Manville-Riverside Parcels		Parameter/Method: Request for Analysis													VOC by 8260	
Work Order:		Project Number: 04-13-0402		A													PAH 8270 SIM	
Company Name: Triad Engineering, Inc.		Bill To Company: Triad Engineering, Inc.		B													RCRA 8 Metals	
Send Report To: Matthew Wright		Invoice Attn: Jamie Stemple		C													Arsenic	
Address: 4980 Teays Valley Rd.		Address: 219 Hartman Run Rd.		D														
City/State/Zip: Scott Depot, WV 25560		City/State/Zip: Morgantown, WV 26505		E														
Phone: 304-755-0721		Phone: 304-296-2562		F														
Fax: 304-755-1880		Fax: 304-296-8739		G														
e-Mail Address: mwright@triadeng.com		e-Mail Address: jstemple@triadeng.com		H														
Sample Description		Date	Time	Matrix	Pics Key Numbers	*Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	SS-17	2/14/2014	1015	soil	7,6,8	5	X	X	X	X								
2	SS-17 FD	2/14/2014	1015	soil	7,6,8	10	X	X	X	X								
3	SB-17	2/14/2014	1030	soil	7,6,8	5	X	X	X	X								
4	SB-17 FD	2/14/2014	1030	soil	7,6,8	10	X	X	X	X								
5	SS-19 with MS/MSD	2/14/2014	1115	soil	7,6,8	15	X	X	X	X								
6	SB-20 with MS/MSD	2/14/2014	1200	soil	7,6,8	15	X	X	X	X								
7	BG-1	2/14/2014	1500	soil	8	1					X							
8	BG-1FD	2/14/2014	1500	soil	8	1					X							
9	BG-2 with MS/MSD	2/14/2014	1510	soil	8	3					X							
10																		

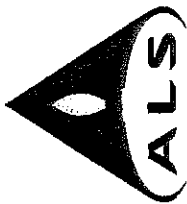
Sampler(s) Please Print & Sign: Matthew Wright	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:
Received by: [Signature]	Received by (Laboratory): [Signature]	<input checked="" type="checkbox"/> 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> 3 WK Days <input type="checkbox"/> Other:	<input type="checkbox"/> ALS Cooler <input type="checkbox"/> Cooler <input type="checkbox"/> Temp <input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> TRRP IRC <input checked="" type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other:
Time: 2/17/14 1510	Date: 2/17/14	Date: 2/17/14	Time: 2/19/14 1000
Time: 07:45	Date: 2/18/14	Date: 2/18/14	Time: 07:45
Time:	Date:	Date:	Time:

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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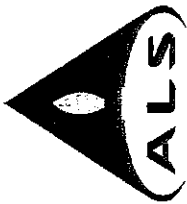
**Chain of Custody Form**  
 Page 2 of 3

ALS Environmental  
 3352 128th Avenue  
 Holland, Michigan 49424  
 (Tel) 616.399.6070  
 (Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager: ALS Work Order #: <u>402737</u>														
Purchase Order: <u>04-13-0402</u>		Project Name: <u>John's Manville-Riverside Parcels</u>		Parameter/Method Request for Analysis														
Work Order:		Project Number: <u>04-13-0402</u>		A. VOC by 8260														
Company Name: <u>Triad Engineering, Inc.</u>		Bill To Company: <u>Triad Engineering, Inc.</u>		B. PAH 8270 SIM														
Send Report To: <u>Matthew Wright</u>		Invoice Attn: <u>Jamie Stemple</u>		C. RCRA 8 Metals														
Address: <u>4980 Teays Valley Rd.</u>		Address: <u>219 Hartman Run Rd.</u>		D. Arsenic														
City/State/Zip: <u>Scott Depot, WV 25560</u>		City/State/Zip: <u>Morgantown, WV 26505</u>		E.														
Phone: <u>304-755-0721</u>		Phone: <u>304-296-2562</u>		F.														
Fax: <u>304-755-1880</u>		Fax: <u>304-296-8739</u>		G.														
e-Mail Address: <u>mwright@triadeng.com</u>		e-Mail Address: <u>jstemple@triadeng.com</u>		H.														
				I.														
				J.														
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	SS-18	2/14/2014	1045	soil	7,6,8	5	X	X	X									
2	SS-20	2/14/2014	1145	soil	7,6,8	5	X	X	X									
3	SS-21	2/14/2014	1130	soil	7,6,8	5	X	X	X									
4	SS-22	2/14/2014	1400	soil	7,6,8	5	X	X	X									
5	SB-18	2/14/2014	1100	soil	7,6,8	5	X	X	X									
6	SB-19	2/14/2014	1130	soil	7,6,8	5	X	X	X									
7	SB-21	2/14/2014	1345	soil	7,6,8	5	X	X	X									
8	SB-22	2/14/2014	1415	soil	7,6,8	5	X	X	X									
9	BG-3	2/14/2014	1520	soil	7,6,8	5				X								
10	BG-4	2/14/2014	1530	soil	7,6,8	5				X								
Sampler(s): Please Print & Sign Matthew Wright		Shipment Method:		Required Turnaround Time: (Check Box)		Results Due Date:												
				<input checked="" type="checkbox"/> 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 3 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour <input type="checkbox"/> Other:														
Retrieved by: <u>[Signature]</u>		Date: <u>2/17/14</u>	Time: <u>1510</u>	Received by: <u>[Signature]</u>		Date: <u>2/17/14</u>	Time: <u>07:45</u>	Notes: <u>Rec'd: [Signature] 2/14/14 1000</u>										
Relinquished by: <u>[Signature]</u>		Date: <u>2/18/14</u>	Time: <u>07:45</u>	Received by (Laboratory): <u>[Signature]</u>		Date: <u>2/18/14</u>	Time: <u>0745</u>	ALS Cooler ID: <u>60</u>		QC Package: (Check Box Below)								
Logged by (Laboratory): <u>[Signature]</u>		Date: <u>2/18/14</u>	Time: <u>07:45</u>	Checked by (Laboratory): <u>[Signature]</u>		Date: <u>2/18/14</u>	Time: <u>0745</u>	Cooler Temp: <u>60</u>		<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRRP LRC <input type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other:								

**Preservative Key:** 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.



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# Chain of Custody Form

Page 3 of 3

ALS Environmental  
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 Holland, Michigan 49424  
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 (Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager: <u>ALS Work Order #: 1402737</u>													
Purchase Order: 04-13-0402		Project Name: John's Manville-Riverside Parcels		Parameter/Method Request for Analysis													
Work Order		Project Number: 04-13-0402		Arsenic													
Company Name: Triad Engineering, Inc.		Bill To Company: Triad Engineering, Inc.		VOC 8260													
Send Report To: Matthew Wright		Invoice Attn: Jamie Stemple															
Address: 4980 Teays Valley Rd.		Address: 219 Hartman Run Rd.															
City/State/Zip: Scott Depot, WV 25560		City/State/Zip: Morgantown, WV 26505															
Phone: 304-755-0721		Phone: 304-296-2562															
Fax: 304-755-1880		Fax: 304-296-8739															
e-Mail Address: mwright@triadeng.com		e-Mail Address: jstemple@triadeng.com															
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BG-5	2/14/2014	1540	soil	8	1	X										
2	BG-6	2/14/2014	1550	soil	8	1	X										
3	BG-7	2/14/2014	1600	soil	8	1	X										
4	BG-8	2/14/2014	1610	soil	8	1	X										
5	BG-9	2/14/2014	1620	soil	8	1	X										
6	BG-10	2/14/2014	1630	soil	8	1	X										
7	TRIP Blank					4	X										
8							X										
9							X										
10							X										

Shipper Method: <input checked="" type="checkbox"/> 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> 3 WK Days <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 1 WK Day <input type="checkbox"/> Other: <input type="checkbox"/> 24 Hour	Required Turnaround Time: (Check Box) <input type="checkbox"/> 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> 3 WK Days <input type="checkbox"/> 2 WK Days <input type="checkbox"/> 1 WK Day <input type="checkbox"/> Other: <input type="checkbox"/> 24 Hour	Results Due Date:
Received by: <i>[Signature]</i> Date: 2/17/14 Time: 1510	Received by: <i>[Signature]</i> Date: 2/17/14 Time: 0745	Received by: <i>[Signature]</i> Date: 2/19/14 Time: 1000
Relinquished by: <i>[Signature]</i> Date: 2/18/14 Time: 0745	Relinquished by: <i>[Signature]</i> Date: 2/18/14 Time: 0745	Relinquished by: <i>[Signature]</i> Date: 2/19/14 Time: 1000
Logged by (Laboratory):	Checked by (Laboratory):	Logged by (Laboratory):

ALS Cooler ID:	ALS Cooler Temp: 6.0°C	ALS Cooler ID:	ALS Cooler Temp: 4.3°C
COC Package: (Check Box Below)	<input checked="" type="checkbox"/> Level II: Standard QC	<input type="checkbox"/> Level III: Raw Data	<input type="checkbox"/> TRRP LRC
<input type="checkbox"/> Level IV: SW846 Methods/CLP like	<input type="checkbox"/> Other:	<input type="checkbox"/> TRRP LRC	<input type="checkbox"/> TRRP Level IV

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C

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Sample Receipt Checklist

Client Name: TRIADENGINEER

Date/Time Received: 18-Feb-14 07:45

Work Order: 1402737

Received by: JAS

Checklist completed by *Lanit Smith* 18-Feb-14  
eSignature Date

Reviewed by: *Rebecca Kiser* 22-Feb-14  
eSignature Date

Matrices: Soil and Water

Carrier name: Client

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Sample(s) received on ice? Yes  No

Temperature(s)/Thermometer(s): 6C: 4.3C IR

Cooler(s)/Kit(s): \_\_\_\_\_

Date/Time sample(s) sent to storage: \_\_\_\_\_

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by: \_\_\_\_\_

Login Notes:

-----

Client Contacted: \_\_\_\_\_ Date Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

CorrectiveAction: \_\_\_\_\_



Environmental

12-Dec-2013

Matthew Wright  
Triad Engineering, Inc.  
4980 Teays Valley Road  
Scott Depot, WV 25560

Re: **Johns Manville-Riverside Parcels**

Work Order: **13111249**

Dear Matthew,

ALS Environmental received 10 samples on 22-Nov-2013 03:46 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 62.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Rebecca Kiser

Rebecca Kiser  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

ALS Environmental, Inc. 12000 West 12th Avenue, Suite 100, Golden, CO 80401-1200  
4800 Old Orchard Road, Suite 100, Denver, CO 80231-1200  
10000 West 12th Avenue, Suite 100, Golden, CO 80401-1200



[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS. RIGHT PEOPLE. RIGHT TIME.



Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Work Order: 13111249

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
13111249-01	SS-1	Soil		11/19/2013 15:30	11/22/2013 15:46	<input type="checkbox"/>
13111249-02	SS-1 FD	Soil		11/19/2013 15:30	11/22/2013 15:46	<input type="checkbox"/>
13111249-03	SB-1	Soil		11/19/2013 15:30	11/22/2013 15:46	<input type="checkbox"/>
13111249-04	SB-1 FD	Soil		11/19/2013 15:30	11/22/2013 15:46	<input type="checkbox"/>
13111249-05	SS-3	Soil		11/20/2013 09:30	11/22/2013 15:46	<input type="checkbox"/>
13111249-06	SB-14	Soil		11/20/2013 10:20	11/22/2013 15:46	<input type="checkbox"/>
13111249-07	TMW-2	Water		11/21/2013 10:15	11/22/2013 15:46	<input type="checkbox"/>
13111249-08	TMW-4	Water		11/21/2013 13:00	11/22/2013 15:46	<input type="checkbox"/>
13111249-09	TMW-4 FD	Water		11/21/2013 13:00	11/22/2013 15:46	<input type="checkbox"/>
13111249-10	Trip Blank	Water		11/21/2013	11/22/2013 15:46	<input type="checkbox"/>

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**Client:** Triad Engineering, Inc.  
**Project:** Johns Manville-Riverside Parcels  
**Work Order:** 13111249

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**Case Narrative**

The reporting limits for the following metals analysis are elevated due to dilution for high concentration of non-target analytes: 13111249-01B, 13111249-02B, 13111249-03B, 13111249-04B, 13111249-05B, 13111249-06B

The reporting limits for the following dissolved metals analysis are elevated due to dilution for high concentration of non-target analytes: 13111249-08C, 13111249-09C

Batch 53721, Method ICP\_6020\_S, Sample 13111249-05B: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: As, Cd

Batch 53721, Method ICP\_6020\_S, Sample 13111249-06B: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Pb

Batch 54069, Method ICP\_6020\_S, Sample 13111249-06B: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Cr, Pb

Batch R131534, Method VOC\_8260\_W, Sample 13111249-07A: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Multiple

Batch R131534, Method VOC\_8260\_W, Sample 13111249-07A MSD: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Chloroethane

Batch R131552, Method VOC\_8260\_W, Sample 13111248-06A: The MS and/or MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: 4-Methyl-2-Pentanone

Batch R131552, Method VOC\_8260\_W, Sample 13111248-06A MSD: The RPD between the MS and MSD was outside the control limit. The corresponding result in the parent sample should be considered estimated for this analyte: Bromomethane

Batch 53716, Method VOC\_8260\_S, Sample 13111249-05A: The MS and/or MSD recovery was below the control limit. The corresponding result in the parent sample may be biased low: Mel

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**Client:** Triad Engineering, Inc.  
**Project:** Johns Manville-Riverside Parcels  
**Work Order:** 13111249

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**Case Narrative**

Batch 53716, Method VOC\_8260\_S, Sample LCS-53716: The LCS recovery was above the upper control limit. The sample results for this analyte may be biased high for this analyte:  
1,2-Dibromoethane,  
4-Methyl-2-pentanone, trans-1,4-Dichloro-2-butene

Batch 53717, Method VOC\_8260\_S, Sample LCS-53717: The LCS recovery was above the upper control limit. The sample results for this analyte may be biased high for this analyte:  
1,2-Dibromoethane  
4-Methyl-2-pentanone

Batch 53684, Method SVO\_8270\_SSIM, Sample 13111249-05B MS: Spike compounds recovered outside allowable limits due to matrix interference.

Batch 53684, Method SVO\_8270\_SSIM, Sample 13111249-05B MSD: Spk compds were out due to matrix .(Sample was not homogeneous - the parent and MS were similar, the MSD was not).

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 WorkOrder: 13111249

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
µg/L	Micrograms per Liter
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SS-1

Lab ID: 13111249-01

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.15		0.022	mg/Kg-dry	1	12/2/2013 02:33 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	17		1.9	mg/Kg-dry	5	12/11/2013 08:33 PM
Barium	490		1.9	mg/Kg-dry	5	12/11/2013 08:33 PM
Cadmium	0.78		0.77	mg/Kg-dry	5	12/11/2013 08:33 PM
Chromium	19		1.9	mg/Kg-dry	5	12/11/2013 08:33 PM
Lead	38		1.9	mg/Kg-dry	5	12/11/2013 08:33 PM
Selenium	ND		1.9	mg/Kg-dry	5	12/11/2013 08:33 PM
Silver	ND		1.9	mg/Kg-dry	5	12/11/2013 08:33 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Acenaphthylene	5.4		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Anthracene	6.1		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(a)anthracene	31		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(a)pyrene	29		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(b)fluoranthene	39		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(b-k)fluoranthene	58		7.7	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(e)pyrene	29		11	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(g,h,i)perylene	20		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Benzo(k)fluoranthene	19		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Chrysene	33		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Dibenzo(a,h)anthracene	6.1		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Fluoranthene	5.4		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Fluorene	ND		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Indeno(1,2,3-cd)pyrene	17		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Naphthalene	ND		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Phenanthrene	23		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Pyrene	47		3.8	µg/Kg-dry	1	11/27/2013 10:18 PM
Surr: 2-Fluorobiphenyl	59.4		12-100	%REC	1	11/27/2013 10:18 PM
Surr: 4-Terphenyl-d14	87.4		25-137	%REC	1	11/27/2013 10:18 PM
Surr: Nitrobenzene-d5	61.0		37-107	%REC	1	11/27/2013 10:18 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SS-1

Lab ID: 13111249-01

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
2-Butanone	ND		230	µg/Kg-dry	1	11/28/2013 04:47 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 04:47 AM
Benzene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Bromoform	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Bromomethane	ND		86	µg/Kg-dry	1	11/28/2013 04:47 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 04:47 AM
Chloroform	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 04:47 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
m,p-Xylene	ND		69	µg/Kg-dry	1	11/28/2013 04:47 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Styrene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Toluene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/28/2013 04:47 AM
1,2-Dichloroethene, Total	ND		69	µg/Kg-dry	1	11/28/2013 04:47 AM
1,3-Dichloropropene, Total	ND		69	µg/Kg-dry	1	11/28/2013 04:47 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	11/28/2013 04:47 AM
Surr: 1,2-Dichloroethane-d4	99.0		70-130	%REC	1	11/28/2013 04:47 AM
Surr: 4-Bromofluorobenzene	97.8		70-130	%REC	1	11/28/2013 04:47 AM
Surr: Dibromofluoromethane	98.2		70-130	%REC	1	11/28/2013 04:47 AM
Surr: Toluene-d8	102		70-130	%REC	1	11/28/2013 04:47 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: <b>MEB</b>
Moisture	13		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SS-1 FD

Lab ID: 13111249-02

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>						
			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.34		0.022	mg/Kg-dry	1	12/2/2013 02:43 PM
<b>METALS BY ICP-MS</b>						
			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	14		2.0	mg/Kg-dry	5	12/11/2013 08:38 PM
Barium	730		41	mg/Kg-dry	100	12/12/2013 03:16 PM
Cadmium	0.83		0.81	mg/Kg-dry	5	12/11/2013 08:38 PM
Chromium	26		2.0	mg/Kg-dry	5	12/11/2013 08:38 PM
Lead	42		2.0	mg/Kg-dry	5	12/11/2013 08:38 PM
Selenium	ND		2.0	mg/Kg-dry	5	12/11/2013 08:38 PM
Silver	ND		2.0	mg/Kg-dry	5	12/11/2013 08:38 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Acenaphthylene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Anthracene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(a)anthracene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(a)pyrene	42		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(b)fluoranthene	46		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(b-k)fluoranthene	ND		76	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(e)pyrene	ND		110	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(g,h,i)perylene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Benzo(k)fluoranthene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Chrysene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Dibenzo(a,h)anthracene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Fluoranthene	46		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Fluorene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Indeno(1,2,3-cd)pyrene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Naphthalene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Phenanthrene	ND		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Pyrene	42		38	µg/Kg-dry	10	11/27/2013 10:51 PM
Surr: 2-Fluorobiphenyl	56.0		12-100	%REC	10	11/27/2013 10:51 PM
Surr: 4-Terphenyl-d14	80.0		25-137	%REC	10	11/27/2013 10:51 PM
Surr: Nitrobenzene-d5	50.0		37-107	%REC	10	11/27/2013 10:51 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SS-1 FD

Lab ID: 13111249-02

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
2-Butanone	ND		230	µg/Kg-dry	1	11/28/2013 06:34 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 06:34 AM
Benzene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Bromoform	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Bromomethane	ND		86	µg/Kg-dry	1	11/28/2013 06:34 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 06:34 AM
Chloroform	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 06:34 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
m,p-Xylene	ND		69	µg/Kg-dry	1	11/28/2013 06:34 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Styrene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Toluene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/28/2013 06:34 AM
1,2-Dichloroethene, Total	ND		69	µg/Kg-dry	1	11/28/2013 06:34 AM
1,3-Dichloropropene, Total	ND		69	µg/Kg-dry	1	11/28/2013 06:34 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	11/28/2013 06:34 AM
Surr: 1,2-Dichloroethane-d4	97.2		70-130	%REC	1	11/28/2013 06:34 AM
Surr: 4-Bromofluorobenzene	98.7		70-130	%REC	1	11/28/2013 06:34 AM
Surr: Dibromofluoromethane	102		70-130	%REC	1	11/28/2013 06:34 AM
Surr: Toluene-d8	101		70-130	%REC	1	11/28/2013 06:34 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	13		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SB-1

Lab ID: 13111249-03

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.041		SW7471 0.023	mg/Kg-dry	1	Prep Date: 11/25/2013 Analyst: LR 12/2/2013 02:46 PM
<b>METALS BY ICP-MS</b>						
Arsenic	9.2		SW6020A 2.1	mg/Kg-dry	5	Prep Date: 12/11/2013 Analyst: CES 12/11/2013 08:49 PM
Barium	210		2.1	mg/Kg-dry	5	12/11/2013 08:49 PM
Cadmium	ND		0.83	mg/Kg-dry	5	12/11/2013 08:49 PM
Chromium	17		2.1	mg/Kg-dry	5	12/11/2013 08:49 PM
Lead	17		2.1	mg/Kg-dry	5	12/11/2013 08:49 PM
Selenium	ND		2.1	mg/Kg-dry	5	12/11/2013 08:49 PM
Silver	ND		2.1	mg/Kg-dry	5	12/11/2013 08:49 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 4.1	µg/Kg-dry	1	Prep Date: 11/27/2013 Analyst: HL 11/27/2013 11:24 PM
Acenaphthylene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Anthracene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(a)anthracene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(a)pyrene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(b)fluoranthene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(b-k)fluoranthene	ND		8.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(g,h,i)perylene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Benzo(k)fluoranthene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Chrysene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Dibenzo(a,h)anthracene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Fluoranthene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Fluorene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Indeno(1,2,3-cd)pyrene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Naphthalene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Phenanthrene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Pyrene	ND		4.1	µg/Kg-dry	1	11/27/2013 11:24 PM
Surr: 2-Fluorobiphenyl	61.4		12-100	%REC	1	11/27/2013 11:24 PM
Surr: 4-Terphenyl-d14	97.2		25-137	%REC	1	11/27/2013 11:24 PM
Surr: Nitrobenzene-d5	69.0		37-107	%REC	1	11/27/2013 11:24 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 37	µg/Kg-dry	1	Prep Date: 11/19/2013 Analyst: CW 11/28/2013 06:58 AM
1,1,2,2-Tetrachloroethane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
1,1,2-Trichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
1,1-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SB-1

Lab ID: 13111249-03

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
1,2-Dichloropropane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
2-Butanone	ND		250	µg/Kg-dry	1	11/28/2013 06:58 AM
2-Hexanone	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
4-Methyl-2-pentanone	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 06:58 AM
Benzene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Bromodichloromethane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Bromoform	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Bromomethane	ND		94	µg/Kg-dry	1	11/28/2013 06:58 AM
Carbon disulfide	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Carbon tetrachloride	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Chlorobenzene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 06:58 AM
Chloroform	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 06:58 AM
cis-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
cis-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Dibromochloromethane	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
m,p-Xylene	ND		75	µg/Kg-dry	1	11/28/2013 06:58 AM
Methylene chloride	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
o-Xylene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Styrene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Tetrachloroethene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Toluene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
trans-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
trans-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Trichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
Vinyl chloride	ND		37	µg/Kg-dry	1	11/28/2013 06:58 AM
1,2-Dichloroethene, Total	ND		75	µg/Kg-dry	1	11/28/2013 06:58 AM
1,3-Dichloropropene, Total	ND		75	µg/Kg-dry	1	11/28/2013 06:58 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 06:58 AM
Surr: 1,2-Dichloroethane-d4	97.8		70-130	%REC	1	11/28/2013 06:58 AM
Surr: 4-Bromofluorobenzene	98.5		70-130	%REC	1	11/28/2013 06:58 AM
Surr: Dibromofluoromethane	100		70-130	%REC	1	11/28/2013 06:58 AM
Surr: Toluene-d8	99.6		70-130	%REC	1	11/28/2013 06:58 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	20		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SB-1 FD

Lab ID: 13111249-04

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.034		0.022	mg/Kg-dry	1	12/2/2013 02:48 PM
<b>METALS BY ICP-MS</b>						
Arsenic	8.8		2.3	mg/Kg-dry	5	12/11/2013 08:54 PM
Barium	190		2.3	mg/Kg-dry	5	12/11/2013 08:54 PM
Cadmium	ND		0.93	mg/Kg-dry	5	12/11/2013 08:54 PM
Chromium	17		2.3	mg/Kg-dry	5	12/11/2013 08:54 PM
Lead	16		2.3	mg/Kg-dry	5	12/11/2013 08:54 PM
Selenium	ND		2.3	mg/Kg-dry	5	12/11/2013 08:54 PM
Silver	ND		2.3	mg/Kg-dry	5	12/11/2013 08:54 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Acenaphthylene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Anthracene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(a)anthracene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(a)pyrene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(b)fluoranthene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(b-k)fluoranthene	ND		7.8	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(g,h,i)perylene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Benzo(k)fluoranthene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Chrysene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Dibenzo(a,h)anthracene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Fluoranthene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Fluorene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Indeno(1,2,3-cd)pyrene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Naphthalene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Phenanthrene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Pyrene	ND		3.9	µg/Kg-dry	1	11/27/2013 11:57 PM
Surr: 2-Fluorobiphenyl	59.8		12-100	%REC	1	11/27/2013 11:57 PM
Surr: 4-Terphenyl-d14	99.4		25-137	%REC	1	11/27/2013 11:57 PM
Surr: Nitrobenzene-d5	64.0		37-107	%REC	1	11/27/2013 11:57 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SB-1 FD

Lab ID: 13111249-04

Collection Date: 11/19/2013 03:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
2-Butanone	ND		240	µg/Kg-dry	1	11/28/2013 07:22 AM
2-Hexanone	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 07:22 AM
Benzene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Bromoform	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Bromomethane	ND		89	µg/Kg-dry	1	11/28/2013 07:22 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 07:22 AM
Chloroform	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 07:22 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
m,p-Xylene	ND		71	µg/Kg-dry	1	11/28/2013 07:22 AM
Methylene chloride	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
o-Xylene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Styrene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Toluene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Trichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	11/28/2013 07:22 AM
1,2-Dichloroethene, Total	ND		71	µg/Kg-dry	1	11/28/2013 07:22 AM
1,3-Dichloropropene, Total	ND		71	µg/Kg-dry	1	11/28/2013 07:22 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 07:22 AM
Surr: 1,2-Dichloroethane-d4	97.6		70-130	%REC	1	11/28/2013 07:22 AM
Surr: 4-Bromofluorobenzene	97.6		70-130	%REC	1	11/28/2013 07:22 AM
Surr: Dibromofluoromethane	99.8		70-130	%REC	1	11/28/2013 07:22 AM
Surr: Toluene-d8	99.6		70-130	%REC	1	11/28/2013 07:22 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	16		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SS-3

Lab ID: 13111249-05

Collection Date: 11/20/2013 09:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.039		SW7471 0.023	mg/Kg-dry	1	Prep Date: 11/25/2013 Analyst: LR 12/2/2013 02:50 PM
<b>METALS BY ICP-MS</b>						
Arsenic	21		SW6020A 1.9	mg/Kg-dry	5	Prep Date: 12/11/2013 Analyst: CES 12/11/2013 08:59 PM
Barium	220		1.9	mg/Kg-dry	5	12/11/2013 08:59 PM
Cadmium	ND		0.74	mg/Kg-dry	5	12/11/2013 08:59 PM
Chromium	79		1.9	mg/Kg-dry	5	12/11/2013 08:59 PM
Lead	41		1.9	mg/Kg-dry	5	12/11/2013 08:59 PM
Selenium	ND		1.9	mg/Kg-dry	5	12/11/2013 08:59 PM
Silver	ND		1.9	mg/Kg-dry	5	12/11/2013 08:59 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 39	µg/Kg-dry	10	Prep Date: 11/27/2013 Analyst: HL 11/27/2013 07:33 PM
Acenaphthylene	90		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Anthracene	ND		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(a)anthracene	260		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(a)pyrene	320		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(b)fluoranthene	410		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(b-k)fluoranthene	580		78	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(e)pyrene	310		120	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(g,h,i)perylene	290		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Benzo(k)fluoranthene	170		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Chrysene	250		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Dibenzo(a,h)anthracene	62		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Fluoranthene	330		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Fluorene	ND		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Indeno(1,2,3-cd)pyrene	220		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Naphthalene	ND		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Phenanthrene	43		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Pyrene	430		39	µg/Kg-dry	10	11/27/2013 07:33 PM
Surr: 2-Fluorobiphenyl	68.0		12-100	%REC	10	11/27/2013 07:33 PM
Surr: 4-Terphenyl-d14	96.0		25-137	%REC	10	11/27/2013 07:33 PM
Surr: Nitrobenzene-d5	58.0		37-107	%REC	10	11/27/2013 07:33 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 35	µg/Kg-dry	1	Prep Date: 11/19/2013 Analyst: AK 11/30/2013 02:05 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SS-3

Lab ID: 13111249-05

Collection Date: 11/20/2013 09:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report		Dilution Factor	Date Analyzed
			Limit	Units		
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
2-Butanone	ND		230	µg/Kg-dry	1	11/30/2013 02:05 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Acetone	ND		120	µg/Kg-dry	1	11/30/2013 02:05 AM
Benzene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Bromoform	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Bromomethane	ND		88	µg/Kg-dry	1	11/30/2013 02:05 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/30/2013 02:05 AM
Chloroform	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/30/2013 02:05 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
m,p-Xylene	ND		70	µg/Kg-dry	1	11/30/2013 02:05 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Styrene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Toluene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/30/2013 02:05 AM
1,2-Dichloroethene, Total	ND		70	µg/Kg-dry	1	11/30/2013 02:05 AM
1,3-Dichloropropene, Total	ND		70	µg/Kg-dry	1	11/30/2013 02:05 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/30/2013 02:05 AM
Surr: 1,2-Dichloroethane-d4	123		70-130	%REC	1	11/30/2013 02:05 AM
Surr: 4-Bromofluorobenzene	98.8		70-130	%REC	1	11/30/2013 02:05 AM
Surr: Dibromofluoromethane	108		70-130	%REC	1	11/30/2013 02:05 AM
Surr: Toluene-d8	89.8		70-130	%REC	1	11/30/2013 02:05 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	14		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SB-14

Lab ID: 13111249-06

Collection Date: 11/20/2013 10:20 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.029		0.022	mg/Kg-dry	1	12/2/2013 02:58 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	9.3		2.2	mg/Kg-dry	5	12/11/2013 09:43 PM
Barium	130		2.2	mg/Kg-dry	5	12/11/2013 09:43 PM
Cadmium	ND		0.87	mg/Kg-dry	5	12/11/2013 09:43 PM
Chromium	15		2.2	mg/Kg-dry	5	12/11/2013 09:43 PM
Lead	14		2.2	mg/Kg-dry	5	12/11/2013 09:43 PM
Selenium	ND		2.2	mg/Kg-dry	5	12/11/2013 09:43 PM
Silver	ND		2.2	mg/Kg-dry	5	12/11/2013 09:43 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Acenaphthylene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Anthracene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(a)anthracene	4.2	J	4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(a)pyrene	5.5		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(b)fluoranthene	6.3		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(b-k)fluoranthene	8.9		8.4	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(e)pyrene	ND		13	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(g,h,i)perylene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Benzo(k)fluoranthene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Chrysene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Dibenzo(a,h)anthracene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Fluoranthene	5.1		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Fluorene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Indeno(1,2,3-cd)pyrene	4.2	J	4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Naphthalene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Phenanthrene	ND		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Pyrene	5.9		4.2	µg/Kg-dry	1	11/27/2013 07:00 PM
Surr: 2-Fluorobiphenyl	66.2		12-100	%REC	1	11/27/2013 07:00 PM
Surr: 4-Terphenyl-d14	108		25-137	%REC	1	11/27/2013 07:00 PM
Surr: Nitrobenzene-d5	72.0		37-107	%REC	1	11/27/2013 07:00 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
1,1,2,2-Tetrachloroethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
1,1,2-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
1,1-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
1,1-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: SB-14

Lab ID: 13111249-06

Collection Date: 11/20/2013 10:20 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
1,2-Dichloropropane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
2-Butanone	ND		260	µg/Kg-dry	1	11/28/2013 05:11 AM
2-Hexanone	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
4-Methyl-2-pentanone	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 05:11 AM
Benzene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Bromodichloromethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Bromoform	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Bromomethane	ND		96	µg/Kg-dry	1	11/28/2013 05:11 AM
Carbon disulfide	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Carbon tetrachloride	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Chlorobenzene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 05:11 AM
Chloroform	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 05:11 AM
cis-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
cis-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Dibromochloromethane	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Ethylbenzene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
m,p-Xylene	ND		77	µg/Kg-dry	1	11/28/2013 05:11 AM
Methylene chloride	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
o-Xylene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Styrene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Tetrachloroethene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Toluene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
trans-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
trans-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Trichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
Vinyl chloride	ND		39	µg/Kg-dry	1	11/28/2013 05:11 AM
1,2-Dichloroethene, Total	ND		77	µg/Kg-dry	1	11/28/2013 05:11 AM
1,3-Dichloropropene, Total	ND		77	µg/Kg-dry	1	11/28/2013 05:11 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 05:11 AM
Surr: 1,2-Dichloroethane-d4	98.2		70-130	%REC	1	11/28/2013 05:11 AM
Surr: 4-Bromofluorobenzene	93.4		70-130	%REC	1	11/28/2013 05:11 AM
Surr: Dibromofluoromethane	98.2		70-130	%REC	1	11/28/2013 05:11 AM
Surr: Toluene-d8	102		70-130	%REC	1	11/28/2013 05:11 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	22		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: TMW-2  
 Collection Date: 11/21/2013 10:15 AM

Work Order: 13111249  
 Lab ID: 13111249-07  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA (DISSOLVED)</b>			<b>SW7470</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	ND		0.00020	mg/L	1	12/4/2013 11:53 AM
<b>METALS BY ICP-MS (DISSOLVED)</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	ND		0.0050	mg/L	1	11/30/2013 06:19 AM
Barium	0.14		0.0050	mg/L	1	11/30/2013 06:19 AM
Cadmium	ND		0.0020	mg/L	1	11/30/2013 06:19 AM
Chromium	ND		0.0050	mg/L	1	11/30/2013 06:19 AM
Lead	ND		0.0050	mg/L	1	11/30/2013 06:19 AM
Selenium	ND		0.0050	mg/L	1	11/30/2013 06:19 AM
Silver	ND		0.0050	mg/L	1	11/30/2013 06:19 AM
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		0.060	µg/L	1	11/27/2013 06:27 PM
Acenaphthylene	ND		0.080	µg/L	1	11/27/2013 06:27 PM
Anthracene	ND		0.060	µg/L	1	11/27/2013 06:27 PM
Benzo(a)anthracene	ND		0.040	µg/L	1	11/27/2013 06:27 PM
Benzo(a)pyrene	ND		0.080	µg/L	1	11/27/2013 06:27 PM
Benzo(b)fluoranthene	ND		0.090	µg/L	1	11/27/2013 06:27 PM
Benzo(b-k)fluoranthene	ND		0.11	µg/L	1	11/27/2013 06:27 PM
Benzo(g,h,i)perylene	ND		0.080	µg/L	1	11/27/2013 06:27 PM
Benzo(k)fluoranthene	ND		0.050	µg/L	1	11/27/2013 06:27 PM
Chrysene	ND		0.050	µg/L	1	11/27/2013 06:27 PM
Dibenzo(a,h)anthracene	ND		0.080	µg/L	1	11/27/2013 06:27 PM
Fluoranthene	ND		0.070	µg/L	1	11/27/2013 06:27 PM
Fluorene	ND		0.050	µg/L	1	11/27/2013 06:27 PM
Indeno(1,2,3-cd)pyrene	ND		0.070	µg/L	1	11/27/2013 06:27 PM
Naphthalene	ND		0.070	µg/L	1	11/27/2013 06:27 PM
Phenanthrene	ND		0.080	µg/L	1	11/27/2013 06:27 PM
Pyrene	ND		0.050	µg/L	1	11/27/2013 06:27 PM
Surr: 2-Fluorobiphenyl	48.6		10-112	%REC	1	11/27/2013 06:27 PM
Surr: 4-Terphenyl-d14	76.2		10-132	%REC	1	11/27/2013 06:27 PM
Surr: Nitrobenzene-d5	52.6		15-110	%REC	1	11/27/2013 06:27 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: AK
1,1,1-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: TMW-2

Lab ID: 13111249-07

Collection Date: 11/21/2013 10:15 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		2.0	µg/L	1	11/30/2013 04:06 AM
2-Butanone	ND		5.0	µg/L	1	11/30/2013 04:06 AM
2-Hexanone	ND		5.0	µg/L	1	11/30/2013 04:06 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/30/2013 04:06 AM
Acetone	ND		20	µg/L	1	11/30/2013 04:06 AM
Benzene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Bromodichloromethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Bromoform	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Bromomethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Carbon disulfide	ND		2.5	µg/L	1	11/30/2013 04:06 AM
Carbon tetrachloride	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Chlorobenzene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Chloroethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Chloroform	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Chloromethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Dibromochloromethane	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Ethylbenzene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
m,p-Xylene	ND		2.0	µg/L	1	11/30/2013 04:06 AM
Methylene chloride	ND		5.0	µg/L	1	11/30/2013 04:06 AM
o-Xylene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Styrene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Tetrachloroethene	ND		2.0	µg/L	1	11/30/2013 04:06 AM
Toluene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Trichloroethene	ND		1.0	µg/L	1	11/30/2013 04:06 AM
Vinyl chloride	ND		1.0	µg/L	1	11/30/2013 04:06 AM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	11/30/2013 04:06 AM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	11/30/2013 04:06 AM
Xylenes, Total	ND		3.0	µg/L	1	11/30/2013 04:06 AM
Surr: 1,2-Dichloroethane-d4	98.2		70-120	%REC	1	11/30/2013 04:06 AM
Surr: 4-Bromofluorobenzene	97.6		75-120	%REC	1	11/30/2013 04:06 AM
Surr: Dibromofluoromethane	108		85-115	%REC	1	11/30/2013 04:06 AM
Surr: Toluene-d8	102		85-120	%REC	1	11/30/2013 04:06 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: TMW-4  
 Collection Date: 11/21/2013 01:00 PM

Work Order: 13111249  
 Lab ID: 13111249-08  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA (DISSOLVED)</b>			<b>SW7470</b>			
Mercury	ND		0.00020	mg/L	1	12/4/2013 01:43 PM
<b>METALS BY ICP-MS (DISSOLVED)</b>			<b>SW6020A</b>			
Arsenic	ND		0.0050	mg/L	1	11/30/2013 07:04 AM
Barium	0.11		0.0050	mg/L	1	11/30/2013 07:04 AM
Cadmium	ND		0.0020	mg/L	1	11/30/2013 07:04 AM
Chromium	ND		0.0050	mg/L	1	11/30/2013 07:04 AM
Lead	ND		0.025	mg/L	5	12/3/2013 10:08 PM
Selenium	ND		0.0050	mg/L	1	11/30/2013 07:04 AM
Silver	ND		0.0050	mg/L	1	11/30/2013 07:04 AM
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM</b>			<b>SW8270M</b>			
Acenaphthene	ND		0.060	µg/L	1	11/27/2013 09:12 PM
Acenaphthylene	ND		0.080	µg/L	1	11/27/2013 09:12 PM
Anthracene	ND		0.060	µg/L	1	11/27/2013 09:12 PM
Benzo(a)anthracene	ND		0.040	µg/L	1	11/27/2013 09:12 PM
Benzo(a)pyrene	ND		0.080	µg/L	1	11/27/2013 09:12 PM
Benzo(b)fluoranthene	ND		0.090	µg/L	1	11/27/2013 09:12 PM
Benzo(b-k)fluoranthene	ND		0.11	µg/L	1	11/27/2013 09:12 PM
Benzo(g,h,i)perylene	ND		0.080	µg/L	1	11/27/2013 09:12 PM
Benzo(k)fluoranthene	ND		0.050	µg/L	1	11/27/2013 09:12 PM
Chrysene	ND		0.050	µg/L	1	11/27/2013 09:12 PM
Dibenzo(a,h)anthracene	ND		0.080	µg/L	1	11/27/2013 09:12 PM
Fluoranthene	ND		0.070	µg/L	1	11/27/2013 09:12 PM
Fluorene	ND		0.050	µg/L	1	11/27/2013 09:12 PM
Indeno(1,2,3-cd)pyrene	ND		0.070	µg/L	1	11/27/2013 09:12 PM
Naphthalene	ND		0.070	µg/L	1	11/27/2013 09:12 PM
Phenanthrene	ND		0.080	µg/L	1	11/27/2013 09:12 PM
Pyrene	ND		0.050	µg/L	1	11/27/2013 09:12 PM
Surr: 2-Fluorobiphenyl	56.6		10-112	%REC	1	11/27/2013 09:12 PM
Surr: 4-Terphenyl-d14	89.6		10-132	%REC	1	11/27/2013 09:12 PM
Surr: Nitrobenzene-d5	69.4		15-110	%REC	1	11/27/2013 09:12 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: AK
1,1,1-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: TMW-4

Lab ID: 13111249-08

Collection Date: 11/21/2013 01:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		2.0	µg/L	1	11/30/2013 04:30 AM
2-Butanone	ND		5.0	µg/L	1	11/30/2013 04:30 AM
2-Hexanone	ND		5.0	µg/L	1	11/30/2013 04:30 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/30/2013 04:30 AM
Acetone	ND		20	µg/L	1	11/30/2013 04:30 AM
Benzene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Bromodichloromethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Bromoform	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Bromomethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Carbon disulfide	ND		2.5	µg/L	1	11/30/2013 04:30 AM
Carbon tetrachloride	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Chlorobenzene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Chloroethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Chloroform	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Chloromethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Dibromochloromethane	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Ethylbenzene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
m,p-Xylene	ND		2.0	µg/L	1	11/30/2013 04:30 AM
Methylene chloride	ND		5.0	µg/L	1	11/30/2013 04:30 AM
o-Xylene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Styrene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Tetrachloroethene	ND		2.0	µg/L	1	11/30/2013 04:30 AM
Toluene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Trichloroethene	ND		1.0	µg/L	1	11/30/2013 04:30 AM
Vinyl chloride	ND		1.0	µg/L	1	11/30/2013 04:30 AM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	11/30/2013 04:30 AM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	11/30/2013 04:30 AM
Xylenes, Total	ND		3.0	µg/L	1	11/30/2013 04:30 AM
Surr: 1,2-Dichloroethane-d4	98.2		70-120	%REC	1	11/30/2013 04:30 AM
Surr: 4-Bromofluorobenzene	93.8		75-120	%REC	1	11/30/2013 04:30 AM
Surr: Dibromofluoromethene	109		85-115	%REC	1	11/30/2013 04:30 AM
Surr: Toluene-d6	99.6		85-120	%REC	1	11/30/2013 04:30 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: TMW-4 FD

Lab ID: 13111249-09

Collection Date: 11/21/2013 01:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA (DISSOLVED)</b>			<b>SW7470</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	ND		0.00020	mg/L	1	12/4/2013 01:45 PM
<b>METALS BY ICP-MS (DISSOLVED)</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	ND		0.0050	mg/L	1	11/30/2013 07:10 AM
Barium	0.11		0.0050	mg/L	1	11/30/2013 07:10 AM
Cadmium	ND		0.0020	mg/L	1	11/30/2013 07:10 AM
Chromium	ND		0.0050	mg/L	1	11/30/2013 07:10 AM
Lead	ND		0.025	mg/L	5	12/3/2013 10:13 PM
Selenium	ND		0.0050	mg/L	1	11/30/2013 07:10 AM
Silver	ND		0.0050	mg/L	1	11/30/2013 07:10 AM
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		0.060	µg/L	1	11/27/2013 09:45 PM
Acenaphthylene	ND		0.080	µg/L	1	11/27/2013 09:45 PM
Anthracene	ND		0.060	µg/L	1	11/27/2013 09:45 PM
Benzo(a)anthracene	ND		0.040	µg/L	1	11/27/2013 09:45 PM
Benzo(a)pyrene	ND		0.080	µg/L	1	11/27/2013 09:45 PM
Benzo(b)fluoranthene	ND		0.090	µg/L	1	11/27/2013 09:45 PM
Benzo(b-k)fluoranthene	ND		0.11	µg/L	1	11/27/2013 09:45 PM
Benzo(g,h,i)perylene	ND		0.080	µg/L	1	11/27/2013 09:45 PM
Benzo(k)fluoranthene	ND		0.050	µg/L	1	11/27/2013 09:45 PM
Chrysene	ND		0.050	µg/L	1	11/27/2013 09:45 PM
Dibenzo(a,h)anthracene	ND		0.080	µg/L	1	11/27/2013 09:45 PM
Fluoranthene	ND		0.070	µg/L	1	11/27/2013 09:45 PM
Fluorene	ND		0.050	µg/L	1	11/27/2013 09:45 PM
Indeno(1,2,3-cd)pyrene	ND		0.070	µg/L	1	11/27/2013 09:45 PM
Naphthalene	ND		0.070	µg/L	1	11/27/2013 09:45 PM
Phenanthrene	ND		0.080	µg/L	1	11/27/2013 09:45 PM
Pyrene	ND		0.050	µg/L	1	11/27/2013 09:45 PM
Surr: 2-Fluorobiphenyl	51.4		10-112	%REC	1	11/27/2013 09:45 PM
Surr: 4-Terphenyl-d14	84.8		10-132	%REC	1	11/27/2013 09:45 PM
Surr: Nitrobenzene-d5	58.8		15-110	%REC	1	11/27/2013 09:45 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: AK
1,1,1-Trichloroethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: TMW-4 FD

Lab ID: 13111249-09

Collection Date: 11/21/2013 01:00 PM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		2.0	µg/L	1	12/2/2013 03:06 PM
2-Butanone	8.9		5.0	µg/L	1	12/2/2013 03:06 PM
2-Hexanone	ND		5.0	µg/L	1	12/2/2013 03:06 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	12/2/2013 03:06 PM
Acetone	24		20	µg/L	1	12/2/2013 03:06 PM
Benzene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Bromodichloromethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Bromoform	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Bromomethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Carbon disulfide	ND		2.5	µg/L	1	12/2/2013 03:06 PM
Carbon tetrachloride	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Chlorobenzene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Chloroethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Chloroform	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Chloromethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Dibromochloromethane	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Ethylbenzene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
m,p-Xylene	ND		2.0	µg/L	1	12/2/2013 03:06 PM
Methylene chloride	ND		5.0	µg/L	1	12/2/2013 03:06 PM
o-Xylene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Styrene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Tetrachloroethene	ND		2.0	µg/L	1	12/2/2013 03:06 PM
Toluene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Trichloroethene	ND		1.0	µg/L	1	12/2/2013 03:06 PM
Vinyl chloride	ND		1.0	µg/L	1	12/2/2013 03:06 PM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	12/2/2013 03:06 PM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	12/2/2013 03:06 PM
Xylenes, Total	ND		3.0	µg/L	1	12/2/2013 03:06 PM
Surr: 1,2-Dichloroethane-d4	100		70-120	%REC	1	12/2/2013 03:06 PM
Surr: 4-Bromofluorobenzene	99.2		75-120	%REC	1	12/2/2013 03:06 PM
Surr: Dibromofluoromethane	98.4		85-115	%REC	1	12/2/2013 03:06 PM
Surr: Toluene-d8	101		85-120	%REC	1	12/2/2013 03:06 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111249

Sample ID: Trip Blank

Lab ID: 13111249-10

Collection Date: 11/21/2013

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: AK
1,1,1-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,2-Dichloropropane	ND		2.0	µg/L	1	11/30/2013 01:16 AM
2-Butanone	ND		5.0	µg/L	1	11/30/2013 01:16 AM
2-Hexanone	ND		5.0	µg/L	1	11/30/2013 01:16 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/30/2013 01:16 AM
Acetone	ND		20	µg/L	1	11/30/2013 01:16 AM
Benzene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Bromodichloromethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Bromoform	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Bromomethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Carbon disulfide	ND		2.5	µg/L	1	11/30/2013 01:16 AM
Carbon tetrachloride	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Chlorobenzene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Chloroethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Chloroform	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Chloromethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Dibromochloromethane	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Ethylbenzene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
m,p-Xylene	ND		2.0	µg/L	1	11/30/2013 01:16 AM
Methylene chloride	ND		5.0	µg/L	1	11/30/2013 01:16 AM
o-Xylene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Styrene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Tetrachloroethene	ND		2.0	µg/L	1	11/30/2013 01:16 AM
Toluene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Trichloroethene	ND		1.0	µg/L	1	11/30/2013 01:16 AM
Vinyl chloride	ND		1.0	µg/L	1	11/30/2013 01:16 AM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	11/30/2013 01:16 AM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	11/30/2013 01:16 AM
Xylenes, Total	ND		3.0	µg/L	1	11/30/2013 01:16 AM
Surr: 1,2-Dichloroethane-d4	105		70-120	%REC	1	11/30/2013 01:16 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 12-Dec-13

Client: Triad Engineering, Inc.  
Project: Johns Manville-Riverside Parcels  
Sample ID: Trip Blank  
Collection Date: 11/21/2013

Work Order: 13111249  
Lab ID: 13111249-10  
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	88.2		75-120	%REC	1	11/30/2013 01:16 AM
Surr: Dibromofluoromethane	98.8		85-115	%REC	1	11/30/2013 01:16 AM
Surr: Toluene-d8	102		85-120	%REC	1	11/30/2013 01:16 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 12-Dec-13

Client: Triad Engineering, Inc.

QC BATCH REPORT

Work Order: 13111249

Project: Johns Manville-Riverside Parcels

Batch ID: 53658 Instrument ID HG1 Method: SW7471

<b>MBLK</b>	Sample ID: MBLK-53658-53658		Units: mg/Kg		Analysis Date: 12/2/2013 02:11 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561966		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury ND 0.020

<b>LCS</b>	Sample ID: LCS-53658-53658		Units: mg/Kg		Analysis Date: 12/2/2013 02:14 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561967		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1755 0.020 0.1665 0 105 80-120 0

<b>MS</b>	Sample ID: 13111249-05BMS		Units: mg/Kg		Analysis Date: 12/2/2013 02:53 PM					
Client ID: SS-3	Run ID: HG1_131202A		SeqNo: 2561983		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1978 0.019 0.1586 0.03344 104 75-125 0

<b>MS</b>	Sample ID: 13111249-06BMS		Units: mg/Kg		Analysis Date: 12/2/2013 03:00 PM					
Client ID: SB-14	Run ID: HG1_131202A		SeqNo: 2561986		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1729 0.017 0.1415 0.02221 107 75-125 0

<b>MSD</b>	Sample ID: 13111249-05BMSD		Units: mg/Kg		Analysis Date: 12/2/2013 02:55 PM					
Client ID: SS-3	Run ID: HG1_131202A		SeqNo: 2561984		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.2063 0.019 0.1591 0.03344 109 75-125 0.1978 4.21 35

<b>MSD</b>	Sample ID: 13111249-06BMSD		Units: mg/Kg		Analysis Date: 12/2/2013 03:03 PM					
Client ID: SB-14	Run ID: HG1_131202A		SeqNo: 2561987		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1747 0.017 0.1431 0.02221 107 75-125 0.1729 1.02 35

The following samples were analyzed in this batch:

13111249-01B	13111249-02B	13111249-03B
13111249-04B	13111249-05B	13111249-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53776 Instrument ID HG1 Method: SW7470

MBLK	Sample ID: MBLK-53776-53776			Units: mg/L			Analysis Date: 12/4/2013 11:48 AM			
Client ID:	Run ID: HG1_131204A			SeqNo: 2564542			Prep Date: 12/3/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS	Sample ID: LCS-53776-53776			Units: mg/L			Analysis Date: 12/4/2013 11:51 AM			
Client ID:	Run ID: HG1_131204A			SeqNo: 2564543			Prep Date: 12/3/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.002037	0.00020	0.002	0	102	80-120	0			

MS	Sample ID: 13111249-07CMS			Units: mg/L			Analysis Date: 12/4/2013 11:56 AM			
Client ID: TMW-2	Run ID: HG1_131204A			SeqNo: 2564545			Prep Date: 12/3/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.001852	0.00020	0.002	-0.000011	93.2	75-125	0			

MSD	Sample ID: 13111249-07CMSD			Units: mg/L			Analysis Date: 12/4/2013 11:58 AM			
Client ID: TMW-2	Run ID: HG1_131204A			SeqNo: 2564546			Prep Date: 12/3/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.002091	0.00020	0.002	-0.000011	105	75-125	0.001852	12.1	20	

The following samples were analyzed in this batch: 

13111249-07C	13111249-08C	13111249-09C
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53677 Instrument ID ICPMS2 Method: SW6020A

MBLK		Sample ID: MBLK-53677-53677				Units:mg/L		Analysis Date: 11/30/2013 05:56 AM			
Client ID:		Run ID: ICPMS2_131127A				SeqNo:2559943		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	ND	0.0050									
Barium	ND	0.0050									
Chromium	ND	0.0050									
Lead	ND	0.0050									
Selenium	ND	0.0050									
Silver	ND	0.0050									

MBLK		Sample ID: MBLK-53677-53677				Units:mg/L		Analysis Date: 11/30/2013 05:56 AM			
Client ID:		Run ID: ICPMS2_131127B				SeqNo:2560243		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Cadmium	0.000191	0.0020								J	

LCS		Sample ID: LCS-53677-53677				Units:mg/L		Analysis Date: 11/30/2013 06:01 AM			
Client ID:		Run ID: ICPMS2_131127A				SeqNo:2559944		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	0.09822	0.0050	0.1	0	98.2	80-120	0				
Barium	0.09546	0.0050	0.1	0	95.5	80-120	0				
Chromium	0.09666	0.0050	0.1	0	96.7	80-120	0				
Lead	0.09398	0.0050	0.1	0	94	80-120	0				
Selenium	0.09836	0.0050	0.1	0	98.4	80-120	0				
Silver	0.1046	0.0050	0.1	0	105	80-120	0				

LCS		Sample ID: LCS-53677-53677				Units:mg/L		Analysis Date: 11/30/2013 06:01 AM			
Client ID:		Run ID: ICPMS2_131127B				SeqNo:2560244		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Cadmium	0.09759	0.0020	0.1	0	97.6	80-120	0				

MS		Sample ID: 13111249-07CMS				Units:mg/L		Analysis Date: 11/30/2013 06:41 AM			
Client ID: TMW-2		Run ID: ICPMS2_131127A				SeqNo:2559951		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	0.1026	0.0050	0.1	0.003357	99.2	75-125	0				
Barium	0.2433	0.0050	0.1	0.1427	101	75-125	0				
Chromium	0.09591	0.0050	0.1	0.001357	94.6	75-125	0				
Selenium	0.101	0.0050	0.1	0.002035	99	75-125	0				
Silver	0.1005	0.0050	0.1	-3.486E-06	101	75-125	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53677 Instrument ID ICPMS2 Method: SW6020A

IMS		Sample ID: 13111249-07CMS				Units: mg/L		Analysis Date: 11/30/2013 06:41 AM			
Client ID: TMW-2		Run ID: ICPMS2_131127B				SeqNo: 2560251		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Cadmium	0.09582	0.0020	0.1	0.0001421	95.7	75-125		0			

IMS		Sample ID: 13111249-07CMS				Units: mg/L		Analysis Date: 12/4/2013 05:21 PM			
Client ID: TMW-2		Run ID: ICPMS2_131204A				SeqNo: 2565851		Prep Date: 11/26/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Lead	0.0997	0.025	0.1	0.0001082	99.6	75-125		0			

MSD		Sample ID: 13111249-07CMSD				Units: mg/L		Analysis Date: 11/30/2013 06:47 AM			
Client ID: TMW-2		Run ID: ICPMS2_131127A				SeqNo: 2559952		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	0.1046	0.0050	0.1	0.003357	101	75-125	0.1026	1.93	20		
Barium	0.2451	0.0050	0.1	0.1427	102	75-125	0.2433	0.737	20		
Chromium	0.09701	0.0050	0.1	0.001357	95.7	75-125	0.09591	1.14	20		
Selenium	0.1011	0.0050	0.1	0.002035	99.1	75-125	0.101	0.099	20		
Silver	0.1012	0.0050	0.1	-3.486E-06	101	75-125	0.1005	0.694	20		

MSD		Sample ID: 13111249-07CMSD				Units: mg/L		Analysis Date: 11/30/2013 06:47 AM			
Client ID: TMW-2		Run ID: ICPMS2_131127B				SeqNo: 2560252		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Cadmium	0.09477	0.0020	0.1	0.0001421	94.6	75-125	0.09582	1.1	20		

MSD		Sample ID: 13111249-07CMSD				Units: mg/L		Analysis Date: 12/4/2013 05:27 PM			
Client ID: TMW-2		Run ID: ICPMS2_131204A				SeqNo: 2565852		Prep Date: 11/26/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Lead	0.0989	0.025	0.1	0.0001082	98.8	75-125	0.0997	0.806	20		

The following samples were analyzed in this batch: 13111249-07C 13111249-08C 13111249-09C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53721 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-53721-53721			Units:mg/Kg			Analysis Date: 11/27/2013 11:50 PM		
Client ID:		Run ID: ICPMS1_131127A			SeqNo:2559573			Prep Date: 11/27/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Cadmium	ND	0.10								
Chromium	0.07185	0.25								J
Selenium	ND	0.25								
Silver	ND	0.25								

MBLK		Sample ID: MBLK-53721-53721			Units:mg/Kg			Analysis Date: 12/10/2013 06:08 PM		
Client ID:		Run ID: ICPMS2_131210A			SeqNo:2573170			Prep Date: 11/27/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.003001	0.25								J

LCS		Sample ID: LCS-53721-53721			Units:mg/Kg			Analysis Date: 11/27/2013 11:57 PM		
Client ID:		Run ID: ICPMS1_131127A			SeqNo:2559574			Prep Date: 11/27/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.524	0.25	5	0	90.5	80-120	0			
Cadmium	4.674	0.10	5	0	93.5	80-120	0			
Chromium	4.789	0.25	5	0	95.8	80-120	0			
Selenium	4.142	0.25	5	0	82.8	80-120	0			
Silver	5.26	0.25	5	0	105	80-120	0			

LCS		Sample ID: LCS-53721-53721			Units:mg/Kg			Analysis Date: 12/10/2013 06:14 PM		
Client ID:		Run ID: ICPMS2_131210A			SeqNo:2573171			Prep Date: 11/27/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	4.808	0.25	5	0	96.2	80-120	0			

MS		Sample ID: 13111249-05BMS			Units:mg/Kg			Analysis Date: 11/28/2013 02:13 AM		
Client ID: SS-3		Run ID: ICPMS1_131127A			SeqNo:2559596			Prep Date: 11/27/2013		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	31.21	1.9	7.418	24.8	86.4	75-125	0			
Cadmium	8.568	0.74	7.418	5.026	47.7	75-125	0			S
Chromium	185.3	1.9	7.418	68.82	1570	75-125	0			SO
Lead	43.66	1.9	7.418	39.93	50.2	75-125	0			SO
Selenium	8.383	1.9	7.418	1.154	97.4	75-125	0			
Silver	8.524	1.9	7.418	0.5958	107	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53721 Instrument ID ICPMS1 Method: SW6020A

MS		Sample ID: 13111249-06BMS			Units:mg/Kg		Analysis Date: 11/28/2013 03:09 AM				
Client ID: SB-14		Run ID: ICPMS1_131127A			SeqNo:2559603		Prep Date: 11/27/2013		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	13.68	1.8	7.042	7.357	89.8	75-125	0				
Cadmium	7.616	0.70	7.042	0.9234	95	75-125	0				
Chromium	21.99	1.8	7.042	13.4	122	75-125	0				
Lead	17.54	1.8	7.042	18.23	-9.93	75-125	0			S	
Selenium	7.634	1.8	7.042	0.9248	95.3	75-125	0				
Silver	7.901	1.8	7.042	0.1079	111	75-125	0				

MSD		Sample ID: 13111249-05BMSD			Units:mg/Kg		Analysis Date: 11/28/2013 02:19 AM				
Client ID: SS-3		Run ID: ICPMS1_131127A			SeqNo:2559597		Prep Date: 11/27/2013		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	29.01	1.9	7.496	24.8	56.2	75-125	31.21	7.3	25	S	
Cadmium	8.261	0.75	7.496	5.026	43.1	75-125	8.568	3.65	25	S	
Chromium	65.48	1.9	7.496	68.82	-44.5	75-125	185.3	95.6	25	SRO	
Lead	40.85	1.9	7.496	39.93	12.3	75-125	43.66	6.63	25	SO	
Selenium	7.976	1.9	7.496	1.154	91	75-125	8.383	4.97	25		
Silver	8.25	1.9	7.496	0.5958	102	75-125	8.524	3.27	25		

MSD		Sample ID: 13111249-06BMSD			Units:mg/Kg		Analysis Date: 11/28/2013 03:34 AM				
Client ID: SB-14		Run ID: ICPMS1_131127A			SeqNo:2559607		Prep Date: 11/27/2013		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	14.22	1.7	6.983	7.357	98.3	75-125	13.68	3.88	25		
Cadmium	7.703	0.70	6.983	0.9234	97.1	75-125	7.616	1.13	25		
Chromium	21.74	1.7	6.983	13.4	119	75-125	21.99	1.13	25		
Lead	18.19	1.7	6.983	18.23	-0.571	75-125	17.54	3.69	25	S	
Selenium	7.524	1.7	6.983	0.9248	94.5	75-125	7.634	1.44	25		
Silver	7.874	1.7	6.983	0.1079	111	75-125	7.901	0.353	25		

The following samples were analyzed in this batch:

13111249-01B	13111249-02B	13111249-03B
13111249-04B	13111249-05B	13111249-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 54069 Instrument ID ICPMS2 Method: SW6020A

MBLK		Sample ID: MBLK-54069-54069				Units: mg/Kg		Analysis Date: 12/11/2013 08:22 PM			
Client ID:		Run ID: ICPMS2_131211A				SeqNo: 2575204		Prep Date: 12/11/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	ND	0.25									
Barium	ND	0.25									
Cadmium	ND	0.10									
Chromium	ND	0.25									
Lead	ND	0.25									
Selenium	ND	0.25									
Silver	ND	0.25									

LCS		Sample ID: LCS-54069-54069				Units: mg/Kg		Analysis Date: 12/11/2013 08:27 PM			
Client ID:		Run ID: ICPMS2_131211A				SeqNo: 2575207		Prep Date: 12/11/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	4.74	0.25	5	0	94.8	80-120	0				
Barium	4.902	0.25	5	0	98	80-120	0				
Cadmium	4.584	0.10	5	0	91.7	80-120	0				
Chromium	4.768	0.25	5	0	95.4	80-120	0				
Lead	4.798	0.25	5	0	96	80-120	0				
Selenium	4.69	0.25	5	0	93.8	80-120	0				
Silver	4.504	0.25	5	0	90.1	80-120	0				

MS		Sample ID: 13111249-05BMS				Units: mg/Kg		Analysis Date: 12/11/2013 09:27 PM			
Client ID: SS-3		Run ID: ICPMS2_131211A				SeqNo: 2575235		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	28.63	1.6	6.394	17.96	167	75-125	0			S	
Barium	126.7	1.6	6.394	188.7	-970	75-125	0			SO	
Cadmium	6.509	0.64	6.394	0.3985	95.6	75-125	0				
Chromium	52.65	1.6	6.394	67.35	-230	75-125	0			SO	
Lead	35.33	1.6	6.394	35.44	-1.75	75-125	0			SO	
Selenium	6.816	1.6	6.394	0.7766	94.5	75-125	0				
Silver	5.748	1.6	6.394	0.03103	89.4	75-125	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 54069 Instrument ID ICPMS2 Method: SW6020A

MS		Sample ID: 13111249-06BMS				Units:mg/Kg		Analysis Date: 12/11/2013 09:54 PM			
Client ID: SB-14		Run ID: ICPMS2_131211A				SeqNo:2575247		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	14.57	1.7	6.711	7.233	109	75-125	0				
Barium	127.6	1.7	6.711	104.5	344	75-125	0			SO	
Cadmium	6.919	0.67	6.711	0.1462	101	75-125	0				
Chromium	22.05	1.7	6.711	11.99	150	75-125	0			S	
Lead	22.07	1.7	6.711	10.89	167	75-125	0			S	
Selenium	7.55	1.7	6.711	0.8464	99.9	75-125	0				
Silver	6.03	1.7	6.711	0.03393	89.3	75-125	0				

MSD		Sample ID: 13111249-05BMSD				Units:mg/Kg		Analysis Date: 12/11/2013 09:32 PM			
Client ID: SS-3		Run ID: ICPMS2_131211A				SeqNo:2575237		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	24.34	1.6	6.427	17.96	99.2	75-125	28.63	16.2	25		
Barium	127.7	1.6	6.427	188.7	-950	75-125	126.7	0.765	25	SO	
Cadmium	6.645	0.64	6.427	0.3985	97.2	75-125	6.509	2.07	25		
Chromium	50.16	1.6	6.427	67.35	-268	75-125	52.65	4.85	25	SO	
Lead	30.79	1.6	6.427	35.44	-72.3	75-125	35.33	13.7	25	SO	
Selenium	6.922	1.6	6.427	0.7766	95.6	75-125	6.816	1.54	25		
Silver	5.755	1.6	6.427	0.03103	89.1	75-125	5.748	0.123	25		

MSD		Sample ID: 13111249-06BMSD				Units:mg/Kg		Analysis Date: 12/11/2013 09:59 PM			
Client ID: SB-14		Run ID: ICPMS2_131211A				SeqNo:2575249		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	13.31	1.7	6.739	7.233	90.2	75-125	14.57	9.03	25		
Barium	118.6	1.7	6.739	104.5	209	75-125	127.6	7.33	25	SO	
Cadmium	6.57	0.67	6.739	0.1462	95.3	75-125	6.919	5.18	25		
Chromium	19.75	1.7	6.739	11.99	115	75-125	22.05	11	25		
Lead	19.66	1.7	6.739	10.89	130	75-125	22.07	11.6	25	S	
Selenium	6.924	1.7	6.739	0.8464	90.2	75-125	7.55	8.66	25		
Silver	5.96	1.7	6.739	0.03393	87.9	75-125	6.03	1.17	25		

The following samples were analyzed in this batch:

13111249-01B	13111249-02B	13111249-03B
13111249-04B	13111249-05B	13111249-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVM57 Method: SW8270M

MBLK	Sample ID: SBLKS1-53684-53684	Units: µg/Kg					Analysis Date: 11/27/2013 08:39 PM				
Client ID:	Run ID: SVM57_131127A	SeqNo: 2562108			Prep Date: 11/27/2013		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	ND	3.3									
Acenaphthylene	ND	3.3									
Anthracene	ND	3.3									
Benzo(a)anthracene	ND	3.3									
Benzo(a)pyrene	ND	3.3									
Benzo(b)fluoranthene	ND	3.3									
Benzo(b-k)fluoranthene	ND	6.7									
Benzo(e)pyrene	ND	10									
Benzo(g,h,i)perylene	ND	3.3									
Benzo(k)fluoranthene	ND	3.3									
Chrysene	ND	3.3									
Dibenzo(a,h)anthracene	ND	3.3									
Fluoranthene	ND	3.3									
Fluorene	ND	3.3									
Indeno(1,2,3-cd)pyrene	ND	3.3									
Naphthalene	ND	3.3									
Phenanthrene	ND	3.3									
Pyrene	ND	3.3									
Surr: 2-Fluorobiphenyl	106	0	166.7	0	63.6	12-100	0				
Surr: 4-Terphenyl-d14	172	0	166.7	0	103	25-137	0				
Surr: Nitrobenzene-d5	111.7	0	166.7	0	67	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

LCS		Sample ID: SLCSS1-53684-53684			Units: µg/Kg			Analysis Date: 11/27/2013 01:30 PM			
Client ID:		Run ID: SVMS7_131127A			SeqNo:2562101		Prep Date: 11/27/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	55	3.3	66.67	0	82.5	35-110	0				
Acenaphthylene	50.67	3.3	66.67	0	76	35-115	0				
Anthracene	56	3.3	66.67	0	84	45-125	0				
Benzo(a)anthracene	58	3.3	66.67	0	87	50-105	0				
Benzo(a)pyrene	60	3.3	66.67	0	90	40-135	0				
Benzo(b)fluoranthene	63.67	3.3	66.67	0	95.5	55-120	0				
Benzo(b-k)fluoranthene	124.7	6.7	133.3	0	93.5	55-120	0				
Benzo(g,h,i)perylene	67.67	3.3	66.67	0	102	55-115	0				
Benzo(k)fluoranthene	61	3.3	66.67	0	91.5	55-120	0				
Chrysene	62.67	3.3	66.67	0	94	55-120	0				
Dibenzo(a,h)anthracene	63	3.3	66.67	0	94.5	45-115	0				
Fluoranthene	62	3.3	66.67	0	93	40-135	0				
Fluorene	60.67	3.3	66.67	0	91	45-105	0				
Indeno(1,2,3-cd)pyrene	62.67	3.3	66.67	0	94	55-135	0				
Naphthalene	52.33	3.3	66.67	0	78.5	50-110	0				
Phenanthrene	54	3.3	66.67	0	81	55-125	0				
Pyrene	67	3.3	66.67	0	101	50-115	0				
Surr: 2-Fluorobiphenyl	115.7	0	166.7	0	69.4	12-100	0				
Surr: 4-Terphenyl-d14	164.3	0	166.7	0	98.6	25-137	0				
Surr: Nitrobenzene-d5	130.3	0	166.7	0	78.2	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

IMS		Sample ID: 13111249-06B MS			Units: µg/Kg			Analysis Date: 11/27/2013 04:15 PM			
Client ID: SB-14		Run ID: SVMS7_131127A			SeqNo:2562102		Prep Date: 11/27/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	106.3	6.4	128.8	0	82.5	35-110	0				
Acenaphthylene	95.99	6.4	128.8	0.6585	74	35-115	0				
Anthracene	109.5	6.4	128.8	0.6585	84.5	45-125	0				
Benzo(a)anthracene	112.1	6.4	128.8	3.292	84.4	50-105	0				
Benzo(a)pyrene	117.9	6.4	128.8	4.28	88.2	40-135	0				
Benzo(b)fluoranthene	123.7	6.4	128.8	6.914	90.6	55-120	0				
Benzo(b-k)fluoranthene	237.7	13	257.7	6.914	89.6	55-120	0				
Benzo(g,h,i)perylene	143.7	6.4	128.8	2.963	109	55-115	0				
Benzo(k)fluoranthene	114	6.4	128.8	1.975	87	55-120	0				
Chrysene	113.4	6.4	128.8	2.963	85.7	55-120	0				
Dibenzo(a,h)anthracene	106.9	6.4	128.8	1.975	81.5	45-115	0				
Fluoranthene	125	6.4	128.8	3.951	93.9	40-135	0				
Fluorene	114	6.4	128.8	0	88.5	45-105	0				
Indeno(1,2,3-cd)pyrene	112.1	6.4	128.8	3.292	84.4	55-135	0				
Naphthalene	88.26	6.4	128.8	0	68.5	50-110	0				
Phenanthrene	103.7	6.4	128.8	1.646	79.2	55-125	0				
Pyrene	124.3	6.4	128.8	4.609	92.9	50-115	0				
Surr: 2-Fluorobiphenyl	222.3	0	322.1	0	69	12-100	0				
Surr: 4-Terphenyl-d14	284.1	0	322.1	0	88.2	25-137	0				
Surr: Nitrobenzene-d5	248	0	322.1	0	77	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 13111249-05B MS			Units: µg/Kg			Analysis Date: 11/27/2013 05:21 PM			
Client ID: SS-3		Run ID: SVMS7_131127A			SeqNo:2562104			Prep Date: 11/27/2013		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	117.3	65	130.4	0	90	35-110	0				
Acenaphthylene	189.1	65	130.4	76.6	86.3	35-115	0				
Anthracene	143.4	65	130.4	19.98	94.7	45-125	0				
Benzo(a)anthracene	365.1	65	130.4	226.5	106	50-105	0			S	
Benzo(a)pyrene	404.2	65	130.4	273.1	101	40-135	0				
Benzo(b)fluoranthene	482.4	65	130.4	496.2	-10.6	55-120	0			S	
Benzo(b-k)fluoranthene	749.7	130	260.8	496.2	97.2	55-120	0				
Benzo(g,h,i)perylene	391.2	65	130.4	246.4	111	55-115	0				
Benzo(k)fluoranthene	267.3	65	130.4	143.2	95.2	55-120	0				
Chrysene	358.6	65	130.4	216.5	109	55-120	0				
Dibenzo(a,h)anthracene	189.1	65	130.4	53.28	104	45-115	0				
Fluoranthene	502	65	130.4	286.4	165	40-135	0			S	
Fluorene	117.3	65	130.4	3.33	87.4	45-105	0				
Indeno(1,2,3-cd)pyrene	312.9	65	130.4	186.5	97	55-135	0				
Naphthalene	97.79	65	130.4	3.33	72.4	50-110	0				
Phenanthrene	189.1	65	130.4	36.63	117	55-125	0				
Pyrene	573.7	65	130.4	369.7	156	50-115	0			S	
Surr: 2-Fluorobiphenyl	208.6	0	326	0	64	12-100	0				
Surr: 4-Terphenyl-d14	332.5	0	326	0	102	25-137	0				
Surr: Nitrobenzene-d5	208.6	0	326	0	64	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MSD		Sample ID: 13111249-06B MSD				Units: µg/Kg			Analysis Date: 11/27/2013 04:48 PM		
Client ID: SB-14		Run ID: SVMS7_131127A				SeqNo: 2562103		Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	103.2	6.3	125.8	0	82	35-110	106.3	2.98	40		
Acenaphthylene	93.74	6.3	125.8	0.6585	74	35-115	95.99	2.37	40		
Anthracene	105.1	6.3	125.8	0.6585	83	45-125	109.5	4.15	40		
Benzo(a)anthracene	109.5	6.3	125.8	3.292	84.4	50-105	112.1	2.37	40		
Benzo(a)pyrene	111.4	6.3	125.8	4.28	85.1	40-135	117.9	5.71	40		
Benzo(b)fluoranthene	121.4	6.3	125.8	6.914	91	55-120	123.7	1.86	40		
Benzo(b-k)fluoranthene	230.9	13	251.7	6.914	89	55-120	237.7	2.92	40		
Benzo(g,h,i)perylene	129.6	6.3	125.8	2.963	101	55-115	143.7	10.3	40		
Benzo(k)fluoranthene	109.5	6.3	125.8	1.975	85.4	55-120	114	4.08	40		
Chrysene	108.8	6.3	125.8	2.963	84.1	55-120	113.4	4.09	40		
Dibenzo(a,h)anthracene	107	6.3	125.8	1.975	83.4	45-115	106.9	0.00644	40		
Fluoranthene	120.8	6.3	125.8	3.951	92.9	40-135	125	3.41	40		
Fluorene	118.3	6.3	125.8	0	94	45-105	114	3.65	40		
Indeno(1,2,3-cd)pyrene	112	6.3	125.8	3.292	86.4	55-135	112.1	0.102	40		
Naphthalene	94.37	6.3	125.8	0	75	50-110	88.26	6.69	40		
Phenanthrene	98.14	6.3	125.8	1.646	76.7	55-125	103.7	5.53	40		
Pyrene	122.7	6.3	125.8	4.609	93.8	50-115	124.3	1.34	40		
Surr: 2-Fluorobiphenyl	209.5	0	314.6	0	66.6	12-100	222.3	5.91	40		
Surr: 4-Terphenyl-d14	290	0	314.6	0	92.2	25-137	284.1	2.06	40		
Surr: Nitrobenzene-d5	239.7	0	314.6	0	76.2	37-107	248	3.42	40		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MSD		Sample ID: 13111249-05B MSD				Units: µg/Kg		Analysis Date: 11/27/2013 05:54 PM			
Client ID: SS-3		Run ID: SVMS7_131127A				SeqNo:2562105		Prep Date: 11/27/2013		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	95.69	64	127.6	0	75	35-110	117.3	20.3	40		
Acenaphthylene	114.8	64	127.6	76.6	30	35-115	189.1	48.9	40	SR	
Anthracene	108.4	64	127.6	19.98	69.3	45-125	143.4	27.8	40		
Benzo(a)anthracene	140.3	64	127.6	226.5	-67.5	50-105	365.1	88.9	40	SR	
Benzo(a)pyrene	153.1	64	127.6	273.1	-94	40-135	404.2	90.1	40	SR	
Benzo(b)fluoranthene	159.5	64	127.6	496.2	-264	55-120	482.4	101	40	SR	
Benzo(b-k)fluoranthene	287.1	130	255.2	496.2	-82	55-120	749.7	89.2	40	SR	
Benzo(g,h,i)perylene	146.7	64	127.6	246.4	-78.2	55-115	391.2	90.9	40	SR	
Benzo(k)fluoranthene	127.6	64	127.6	143.2	-12.2	55-120	267.3	70.8	40	SR	
Chrysene	140.3	64	127.6	216.5	-59.7	55-120	358.6	87.5	40	SR	
Dibenzo(a,h)anthracene	121.2	64	127.6	53.28	53.2	45-115	189.1	43.7	40	R	
Fluoranthene	146.7	64	127.6	286.4	-109	40-135	502	110	40	SR	
Fluorene	108.4	64	127.6	3.33	82.4	45-105	117.3	7.88	40		
Indeno(1,2,3-cd)pyrene	140.3	64	127.6	186.5	-36.2	55-135	312.9	76.2	40	SR	
Naphthalene	102.1	64	127.6	3.33	77.4	50-110	97.79	4.28	40		
Phenanthrene	102.1	64	127.6	36.63	51.3	55-125	189.1	59.8	40	SR	
Pyrene	153.1	64	127.6	369.7	-170	50-115	573.7	116	40	SR	
Surr: 2-Fluorobiphenyl	261.5	0	319	0	82	12-100	208.6	22.5	40		
Surr: 4-Terphenyl-d14	287.1	0	319	0	90	25-137	332.5	14.7	40		
Surr: Nitrobenzene-d5	223.3	0	319	0	70	37-107	208.6	6.79	40		

The following samples were analyzed in this batch:

13111249-01B	13111249-02B	13111249-03B
13111249-04B	13111249-05B	13111249-06B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

QC BATCH REPORT

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

MBLK	Sample ID: SBLKW1-53708-53708	Units: µg/L		Analysis Date: 11/27/2013 08:06 PM						
Client ID:	Run ID: SVMS7_131127A	SeqNo:2561249	Prep Date: 11/27/2013	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.060								
Acenaphthylene	ND	0.080								
Anthracene	ND	0.060								
Benzo(a)anthracene	ND	0.040								
Benzo(a)pyrene	ND	0.080								
Benzo(b)fluoranthene	ND	0.090								
Benzo(b-k)fluoranthene	ND	0.11								
Benzo(g,h,i)perylene	ND	0.080								
Benzo(k)fluoranthene	ND	0.050								
Chrysene	ND	0.050								
Dibenzo(a,h)anthracene	ND	0.080								
Fluoranthene	ND	0.070								
Fluorene	ND	0.050								
Indeno(1,2,3-cd)pyrene	ND	0.070								
Naphthalene	ND	0.070								
Phenanthrene	ND	0.080								
Pyrene	ND	0.050								
Surr: 2-Fluorobiphenyl	2.44	0	5	0	48.8	10-112	0			
Surr: 4-Terphenyl-d14	3.97	0	5	0	79.4	10-132	0			
Surr: Nitrobenzene-d5	2.55	0	5	0	51	15-110	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

LCS		Sample ID: SLCSW1-53708-53708				Units: µg/L		Analysis Date: 11/27/2013 12:57 PM		
Client ID:		Run ID: SVMS7_131127A			SeqNo: 2561245		Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1.45	0.060	2	0	72.5	45-110		0		
Acenaphthylene	1.17	0.080	2	0	58.5	50-105		0		
Anthracene	1.35	0.060	2	0	67.5	55-110		0		
Benzo(a)anthracene	1.38	0.040	2	0	69	55-110		0		
Benzo(a)pyrene	1.4	0.080	2	0	70	55-110		0		
Benzo(b)fluoranthene	1.46	0.090	2	0	73	45-120		0		
Benzo(b-k)fluoranthene	2.93	0.11	4	0	73.2	45-120		0		
Benzo(g,h,i)perylene	1.67	0.080	2	0	83.5	40-125		0		
Benzo(k)fluoranthene	1.47	0.050	2	0	73.5	45-120		0		
Chrysene	1.52	0.050	2	0	76	55-110		0		
Dibenzo(a,h)anthracene	1.46	0.080	2	0	73	40-125		0		
Fluoranthene	1.38	0.070	2	0	69	55-115		0		
Fluorene	1.52	0.050	2	0	76	50-110		0		
Indeno(1,2,3-cd)pyrene	1.45	0.070	2	0	72.5	45-125		0		
Naphthalene	1.09	0.070	2	0	54.5	40-100		0		
Phenanthrene	1.25	0.080	2	0	62.5	50-115		0		
Pyrene	1.61	0.050	2	0	80.5	50-130		0		
Surr: 2-Fluorobiphenyl	2.47	0	5	0	49.4	10-112		0		
Surr: 4-Terphenyl-d14	4.03	0	5	0	80.6	10-132		0		
Surr: Nitrobenzene-d5	2.73	0	5	0	54.6	15-110		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 13111249-07B MS			Units: µg/L			Analysis Date: 11/27/2013 02:03 PM		
Client ID: TMW-2		Run ID: SVMS7_131127A			SeqNo: 2561246			Prep Date: 11/27/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1.37	0.060	2	0	68.5	45-110	0			
Acenaphthylene	1.22	0.080	2	0	61	50-105	0			
Anthracene	1.32	0.060	2	0	66	55-110	0			
Benzo(a)anthracene	1.36	0.040	2	0	68	55-110	0			
Benzo(a)pyrene	1.44	0.080	2	0	72	55-110	0			
Benzo(b)fluoranthene	1.51	0.090	2	0	75.5	45-120	0			
Benzo(b-k)fluoranthene	2.93	0.11	4	0	73.2	45-120	0			
Benzo(g,h,i)perylene	1.71	0.080	2	0	85.5	40-125	0			
Benzo(k)fluoranthene	1.42	0.050	2	0	71	45-120	0			
Chrysene	1.44	0.050	2	0	72	55-110	0			
Dibenzo(a,h)anthracene	1.47	0.080	2	0	73.5	40-125	0			
Fluoranthene	1.4	0.070	2	0	70	55-115	0			
Fluorene	1.5	0.050	2	0	75	50-110	0			
Indeno(1,2,3-cd)pyrene	1.48	0.070	2	0	74	45-125	0			
Naphthalene	1.15	0.070	2	0	57.5	40-100	0			
Phenanthrene	1.23	0.080	2	0	61.5	50-115	0			
Pyrene	1.6	0.050	2	0	80	50-130	0			
Surr: 2-Fluorobiphenyl	2.6	0	5	0	52	10-112	0			
Surr: 4-Terphenyl-d14	3.99	0	5	0	79.8	10-132	0			
Surr: Nitrobenzene-d5	2.79	0	5	0	55.8	15-110	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

MSD	Sample ID: 13111249-07B MSD	Units: µg/L		Analysis Date: 11/27/2013 02:36 PM						
Client ID: TMW-2	Run ID: SVMS7_131127A	SeqNo: 2561247	Prep Date: 11/27/2013	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1.28	0.060	2	0	64	45-110	1.37	6.79	40	
Acenaphthylene	1.09	0.080	2	0	54.5	50-105	1.22	11.3	40	
Anthracene	1.25	0.060	2	0	62.5	55-110	1.32	5.45	40	
Benzo(a)anthracene	1.24	0.040	2	0	62	55-110	1.36	9.23	40	
Benzo(a)pyrene	1.29	0.080	2	0	64.5	55-110	1.44	11	40	
Benzo(b)fluoranthene	1.36	0.090	2	0	68	45-120	1.51	10.5	40	
Benzo(b-k)fluoranthene	2.63	0.11	4	0	65.8	45-120	2.93	10.8	40	
Benzo(g,h,i)perylene	1.5	0.080	2	0	75	40-125	1.71	13.1	40	
Benzo(k)fluoranthene	1.27	0.050	2	0	63.5	45-120	1.42	11.2	40	
Chrysene	1.31	0.050	2	0	65.5	55-110	1.44	9.45	40	
Dibenzo(a,h)anthracene	1.32	0.080	2	0	66	40-125	1.47	10.8	40	
Fluoranthene	1.27	0.070	2	0	63.5	55-115	1.4	9.74	40	
Fluorene	1.44	0.050	2	0	72	50-110	1.5	4.08	40	
Indeno(1,2,3-cd)pyrene	1.32	0.070	2	0	66	45-125	1.48	11.4	40	
Naphthalene	1.04	0.070	2	0	52	40-100	1.15	10	40	
Phenanthrene	1.16	0.080	2	0	58	50-115	1.23	5.86	40	
Pyrene	1.39	0.050	2	0	69.5	50-130	1.6	14	40	
Surr: 2-Fluorobiphenyl	2.35	0	5	0	47	10-112	2.6	10.1	40	
Surr: 4-Terphenyl-d14	3.47	0	5	0	69.4	10-132	3.99	13.9	40	
Surr: Nitrobenzene-d5	2.5	0	5	0	50	15-110	2.79	11	40	

The following samples were analyzed in this batch:

13111249-07B	13111249-08B	13111249-09B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

MBLK	Sample ID: MBLK-53716-53716	Units: µg/Kg					Analysis Date: 11/27/2013 04:23 PM				
Client ID:	Run ID: VMS5_131127A	SeqNo:2559191			Prep Date: 11/19/2013		DF: 1				
Analyte	Result	PQL	SPK Vai	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	ND	30									
1,1,2,2-Tetrachloroethane	ND	30									
1,1,2-Trichloroethane	ND	30									
1,1-Dichloroethane	ND	30									
1,1-Dichloroethene	ND	30									
1,2-Dichloroethane	ND	30									
1,2-Dichloropropane	ND	30									
2-Butanone	ND	200									
2-Hexanone	ND	30									
4-Methyl-2-pentanone	ND	30									
Acetone	ND	100									
Benzene	ND	30									
Bromodichloromethane	ND	30									
Bromoform	ND	30									
Bromomethane	ND	75									
Carbon disulfide	ND	30									
Carbon tetrachloride	ND	30									
Chlorobenzene	ND	30									
Chloroethane	ND	100									
Chloroform	ND	30									
Chloromethane	ND	100									
cis-1,2-Dichloroethene	ND	30									
cis-1,3-Dichloropropene	ND	30									
Dibromochloromethane	ND	30									
Ethylbenzene	ND	30									
m,p-Xylene	ND	60									
Methylene chloride	ND	30									
o-Xylene	ND	30									
Styrene	ND	30									
Tetrachloroethene	ND	30									
Toluene	ND	30									
trans-1,2-Dichloroethene	ND	30									
trans-1,3-Dichloropropene	ND	30									
Trichloroethene	ND	30									
Vinyl chloride	ND	30									
1,2-Dichloroethene, Total	ND	60									
1,3-Dichloropropene, Total	ND	60									
Xylenes, Total	ND	90									
Surr: 1,2-Dichloroethane-d4	984.5	0	1000	0	98.4	70-130	0				
Surr: 4-Bromofluorobenzene	973	0	1000	0	97.3	70-130	0				
Surr: Dibromofluoromethane	994.5	0	1000	0	99.4	70-130	0				
Surr: Toluene-d8	992	0	1000	0	99.2	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

LCS		Sample ID: LCS-53716-53716			Units: µg/Kg		Analysis Date: 11/27/2013 02:45 PM			
Client ID:		Run ID: VMS5_131127A			SeqNo: 2559189		Prep Date: 11/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1093	30	1000	0	109	70-135	0			
1,1,2,2-Tetrachloroethane	1188	30	1000	0	119	55-130	0			
1,1,2-Trichloroethane	1156	30	1000	0	116	60-125	0			
1,1-Dichloroethane	1098	30	1000	0	110	75-125	0			
1,1-Dichloroethene	1116	30	1000	0	112	65-135	0			
1,2-Dichloroethane	1070	30	1000	0	107	70-135	0			
1,2-Dichloropropane	1106	30	1000	0	111	70-120	0			
2-Butanone	1184	200	1000	0	118	30-160	0			
2-Hexanone	1149	30	1000	0	115	45-145	0			
4-Methyl-2-pentanone	1485	30	1000	0	148	45-145	0			S
Acetone	1236	100	1000	0	124	20-160	0			
Benzene	1091	30	1000	0	109	75-125	0			
Bromodichloromethane	1096	30	1000	0	110	70-130	0			
Bromoform	1072	30	1000	0	107	55-135	0			
Bromomethane	766	75	1000	0	76.6	30-160	0			
Carbon disulfide	1099	30	1000	0	110	45-160	0			
Carbon tetrachloride	950.5	30	1000	0	95	65-135	0			
Chlorobenzene	1102	30	1000	0	110	75-125	0			
Chloroethane	1006	100	1000	0	101	40-155	0			
Chloroform	1094	30	1000	0	109	70-125	0			
Chloromethane	932	100	1000	0	93.2	50-130	0			
cis-1,2-Dichloroethene	1098	30	1000	0	110	65-125	0			
cis-1,3-Dichloropropene	1186	30	1000	0	119	70-125	0			
Dibromochloromethane	963.5	30	1000	0	96.4	65-135	0			
Ethylbenzene	1118	30	1000	0	112	75-125	0			
m,p-Xylene	2150	60	2000	0	107	80-125	0			
Methylene chloride	1102	30	1000	0	110	55-145	0			
o-Xylene	1138	30	1000	0	114	75-125	0			
Styrene	1176	30	1000	0	118	75-125	0			
Tetrachloroethene	1126	30	1000	0	113	64-140	0			
Toluene	1113	30	1000	0	111	70-125	0			
trans-1,2-Dichloroethene	1099	30	1000	0	110	65-135	0			
trans-1,3-Dichloropropene	1066	30	1000	0	107	65-125	0			
Trichloroethene	1122	30	1000	0	112	75-125	0			
Vinyl chloride	791	30	1000	0	79.1	60-125	0			
Xylenes, Total	3288	90	3000	0	110	75-125	0			
Surr: 1,2-Dichloroethane-d4	985	0	1000	0	98.5	70-130	0			
Surr: 4-Bromofluorobenzene	988.5	0	1000	0	98.8	70-130	0			
Surr: Dibromofluoromethane	992.5	0	1000	0	99.2	70-130	0			
Surr: Toluene-d8	1012	0	1000	0	101	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

MS		Sample ID: 13111249-05A MS			Units: µg/Kg			Analysis Date: 11/30/2013 08:08 AM		
Client ID: SS-3		Run ID: VMS8_131129B			SeqNo: 2561411			Prep Date: 11/19/2013		DF: 1
Analyte	Result	PQL	SPK Vai	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	985.5	30	1000	0	98.6	70-135	0			
1,1,2,2-Tetrachloroethane	905	30	1000	0	90.5	55-130	0			
1,1,2-Trichloroethane	968	30	1000	0	96.8	60-125	0			
1,1-Dichloroethane	964.5	30	1000	0	96.4	75-125	0			
1,1-Dichloroethene	922.5	30	1000	0	92.2	65-135	0			
1,2-Dichloroethane	1014	30	1000	0	101	70-135	0			
1,2-Dichloropropane	934	30	1000	0	93.4	70-120	0			
2-Butanone	827	200	1000	0	82.7	30-160	0			
2-Hexanone	890.5	30	1000	0	89	45-145	0			
4-Methyl-2-pentanone	1235	30	1000	0	124	45-145	0			
Acetone	995.5	100	1000	0	99.6	20-160	0			
Benzene	923.5	30	1000	0	92.4	75-125	0			
Bromodichloromethane	973	30	1000	0	97.3	70-130	0			
Bromoform	824.5	30	1000	0	82.4	55-135	0			
Bromomethane	966	75	1000	0	96.6	30-160	0			
Carbon disulfide	1018	30	1000	0	102	45-160	0			
Carbon tetrachloride	940	30	1000	0	94	65-135	0			
Chlorobenzene	977	30	1000	0	97.7	75-125	0			
Chloroethane	890.5	100	1000	0	89	40-155	0			
Chloroform	1014	30	1000	0	101	70-125	0			
Chloromethane	789	100	1000	0	78.9	50-130	0			
cis-1,2-Dichloroethene	930.5	30	1000	0	93	65-125	0			
cis-1,3-Dichloropropene	921	30	1000	0	92.1	70-125	0			
Dibromochloromethane	944.5	30	1000	0	94.4	65-135	0			
Ethylbenzene	967	30	1000	0	96.7	75-125	0			
m,p-Xylene	1944	60	2000	0	97.2	80-125	0			
Methylene chloride	921.5	30	1000	0	92.2	55-145	0			
o-Xylene	1026	30	1000	0	103	75-125	0			
Styrene	1000	30	1000	0	100	75-125	0			
Tetrachloroethene	999.5	30	1000	0	100	64-140	0			
Toluene	976	30	1000	0	97.6	70-125	0			
trans-1,2-Dichloroethene	1008	30	1000	0	101	65-135	0			
trans-1,3-Dichloropropene	929	30	1000	0	92.9	65-125	0			
Trichloroethene	931	30	1000	0	93.1	75-125	0			
Vinyl chloride	718	30	1000	0	71.8	60-125	0			
Xylenes, Total	2970	90	3000	0	99	75-125	0			
Surr: 1,2-Dichloroethane-d4	1039	0	1000	0	104	70-130	0			
Surr: 4-Bromofluorobenzene	1008	0	1000	0	101	70-130	0			
Surr: Dibromofluoromethane	1023	0	1000	0	102	70-130	0			
Surr: Toluene-d8	1002	0	1000	0	100	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

MSD	Sample ID: 13111249-05A MSD			Units: µg/Kg			Analysis Date: 11/30/2013 08:33 AM			
Client ID: SS-3	Run ID: VMS8_131129B			SeqNo:2561412			Prep Date: 11/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	956.5	30	1000	0	95.6	70-135	985.5	2.99	30	
1,1,2,2-Tetrachloroethane	884.5	30	1000	0	88.4	55-130	905	2.29	30	
1,1,2-Trichloroethane	912	30	1000	0	91.2	60-125	968	5.96	30	
1,1-Dichloroethane	946	30	1000	0	94.6	75-125	964.5	1.94	30	
1,1-Dichloroethene	931	30	1000	0	93.1	65-135	922.5	0.917	30	
1,2-Dichloroethane	960	30	1000	0	96	70-135	1014	5.42	30	
1,2-Dichloropropane	898.5	30	1000	0	89.8	70-120	934	3.87	30	
2-Butanone	802	200	1000	0	80.2	30-160	827	3.07	30	
2-Hexanone	857	30	1000	0	85.7	45-145	890.5	3.83	30	
4-Methyl-2-pentanone	1179	30	1000	0	118	45-145	1235	4.64	30	
Acetone	1033	100	1000	0	103	20-160	995.5	3.7	30	
Benzene	910.5	30	1000	0	91	75-125	923.5	1.42	30	
Bromodichloromethane	945	30	1000	0	94.5	70-130	973	2.92	30	
Bromoform	770.5	30	1000	0	77	55-135	824.5	6.77	30	
Bromomethane	941	75	1000	0	94.1	30-160	966	2.62	30	
Carbon disulfide	996.5	30	1000	0	99.6	45-160	1018	2.13	30	
Carbon tetrachloride	905.5	30	1000	0	90.6	65-135	940	3.74	30	
Chlorobenzene	953	30	1000	0	95.3	75-125	977	2.49	30	
Chloroethane	804.5	100	1000	0	80.4	40-155	890.5	10.1	30	
Chloroform	1010	30	1000	0	101	70-125	1014	0.346	30	
Chloromethane	790.5	100	1000	0	79	50-130	789	0.19	30	
cis-1,2-Dichloroethene	940.5	30	1000	0	94	65-125	930.5	1.07	30	
cis-1,3-Dichloropropene	903.5	30	1000	0	90.4	70-125	921	1.92	30	
Dibromochloromethane	910.5	30	1000	0	91	65-135	944.5	3.67	30	
Ethylbenzene	936.5	30	1000	0	93.6	75-125	967	3.2	30	
m,p-Xylene	1926	60	2000	0	96.3	80-125	1944	0.956	30	
Methylene chloride	931.5	30	1000	0	93.2	55-145	921.5	1.08	30	
o-Xylene	989	30	1000	0	98.9	75-125	1026	3.62	30	
Styrene	989.5	30	1000	0	99	75-125	1000	1.11	30	
Tetrachloroethene	941	30	1000	0	94.1	64-140	999.5	6.03	30	
Toluene	935	30	1000	0	93.5	70-125	976	4.29	30	
trans-1,2-Dichloroethene	968	30	1000	0	96.8	65-135	1008	4	30	
trans-1,3-Dichloropropene	902	30	1000	0	90.2	65-125	929	2.95	30	
Trichloroethene	888	30	1000	0	88.8	75-125	931	4.73	30	
Vinyl chloride	727.5	30	1000	0	72.8	60-125	718	1.31	30	
Xylenes, Total	2914	90	3000	0	97.2	75-125	2970	1.87	30	
Surr: 1,2-Dichloroethane-d4	999	0	1000	0	99.9	70-130	1039	3.93	30	
Surr: 4-Bromofluorobenzene	1018	0	1000	0	102	70-130	1008	0.888	30	
Surr: Dibromofluoromethane	988.5	0	1000	0	98.8	70-130	1023	3.43	30	
Surr: Toluene-d8	1009	0	1000	0	101	70-130	1002	0.696	30	

The following samples were analyzed in this batch:

13111249-01A	13111249-02A	13111249-03A
13111249-04A	13111249-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

MBLK	Sample ID: MBLK-53717-53717	Units: µg/Kg					Analysis Date: 11/27/2013 04:47 PM				
Client ID:	Run ID: VMS5_131127A	SeqNo:2559192			Prep Date: 11/19/2013		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	ND	30									
1,1,2,2-Tetrachloroethane	ND	30									
1,1,2-Trichloroethane	ND	30									
1,1-Dichloroethane	ND	30									
1,1-Dichloroethene	ND	30									
1,2-Dichloroethane	ND	30									
1,2-Dichloropropane	ND	30									
2-Butanone	ND	200									
2-Hexanone	ND	30									
4-Methyl-2-pentanone	ND	30									
Acetone	ND	100									
Benzene	ND	30									
Bromodichloromethane	ND	30									
Bromoform	ND	30									
Bromomethane	ND	75									
Carbon disulfide	ND	30									
Carbon tetrachloride	ND	30									
Chlorobenzene	ND	30									
Chloroethane	ND	100									
Chloroform	ND	30									
Chloromethane	ND	100									
cis-1,2-Dichloroethene	ND	30									
cis-1,3-Dichloropropene	ND	30									
Dibromochloromethane	ND	30									
Ethylbenzene	ND	30									
m,p-Xylene	ND	60									
Methylene chloride	ND	30									
o-Xylene	ND	30									
Styrene	ND	30									
Tetrachloroethene	ND	30									
Toluene	ND	30									
trans-1,2-Dichloroethene	ND	30									
trans-1,3-Dichloropropene	ND	30									
Trichloroethene	ND	30									
Vinyl chloride	ND	30									
1,2-Dichloroethene, Total	ND	60									
1,3-Dichloropropene, Total	ND	60									
Xylenes, Total	ND	90									
Surr: 1,2-Dichloroethane-d4	993	0	1000	0	99.3	70-130	0				
Surr: 4-Bromofluorobenzene	970	0	1000	0	97	70-130	0				
Surr: Dibromofluoromethane	988.5	0	1000	0	98.8	70-130	0				
Surr: Toluene-d8	993	0	1000	0	99.3	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

LCS		Sample ID: LCS-53717-53717			Units: µg/Kg			Analysis Date: 11/27/2013 03:10 PM			
Client ID:		Run ID: VMS5_131127A			SeqNo: 2559190			Prep Date: 11/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	1072	30	1000	0	107	70-135	0				
1,1,2,2-Tetrachloroethane	1141	30	1000	0	114	55-130	0				
1,1,2-Trichloroethane	1134	30	1000	0	113	60-125	0				
1,1-Dichloroethane	1050	30	1000	0	105	75-125	0				
1,1-Dichloroethene	1062	30	1000	0	106	65-135	0				
1,2-Dichloroethane	1049	30	1000	0	105	70-135	0				
1,2-Dichloropropane	1082	30	1000	0	108	70-120	0				
2-Butanone	1094	200	1000	0	109	30-160	0				
2-Hexanone	1106	30	1000	0	111	45-145	0				
4-Methyl-2-pentanone	1419	30	1000	0	142	45-145	0				
Acetone	1115	100	1000	0	112	20-160	0				
Benzene	1072	30	1000	0	107	75-125	0				
Bromodichloromethane	1078	30	1000	0	108	70-130	0				
Bromoform	1053	30	1000	0	105	55-135	0				
Bromomethane	775.5	75	1000	0	77.6	30-160	0				
Carbon disulfide	1041	30	1000	0	104	45-160	0				
Carbon tetrachloride	951	30	1000	0	95.1	65-135	0				
Chlorobenzene	1084	30	1000	0	108	75-125	0				
Chloroethane	1013	100	1000	0	101	40-155	0				
Chloroform	1064	30	1000	0	106	70-125	0				
Chloromethane	856.5	100	1000	0	85.6	50-130	0				
cis-1,2-Dichloroethene	1070	30	1000	0	107	65-125	0				
cis-1,3-Dichloropropene	1163	30	1000	0	116	70-125	0				
Dibromochloromethane	959.5	30	1000	0	96	65-135	0				
Ethylbenzene	1115	30	1000	0	112	75-125	0				
m,p-Xylene	2136	60	2000	0	107	80-125	0				
Methylene chloride	1059	30	1000	0	106	55-145	0				
o-Xylene	1129	30	1000	0	113	75-125	0				
Styrene	1160	30	1000	0	116	75-125	0				
Tetrachloroethene	1120	30	1000	0	112	64-140	0				
Toluene	1086	30	1000	0	109	70-125	0				
trans-1,2-Dichloroethene	1076	30	1000	0	108	65-135	0				
trans-1,3-Dichloropropene	1054	30	1000	0	105	65-125	0				
Trichloroethene	1094	30	1000	0	109	75-125	0				
Vinyl chloride	780.5	30	1000	0	78	60-125	0				
Xylenes, Total	3264	90	3000	0	109	75-125	0				
Surr: 1,2-Dichloroethane-d4	979.5	0	1000	0	98	70-130	0				
Surr: 4-Bromofluorobenzene	1003	0	1000	0	100	70-130	0				
Surr: Dibromofluoromethane	996	0	1000	0	99.6	70-130	0				
Surr: Toluene-d8	1014	0	1000	0	101	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

MS	Sample ID: 13111249-06A MS	Units: µg/Kg					Analysis Date: 11/28/2013 12:51 PM				
Client ID: SB-14	Run ID: VMS8_131127B	SeqNo: 2559187	Prep Date: 11/19/2013	DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	967.5	30	1000	0	96.8	70-135	0				
1,1,2,2-Tetrachloroethane	883.5	30	1000	0	88.4	55-130	0				
1,1,2-Trichloroethane	975.5	30	1000	0	97.6	60-125	0				
1,1-Dichloroethane	980.5	30	1000	0	98	75-125	0				
1,1-Dichloroethene	993	30	1000	0	99.3	65-135	0				
1,2-Dichloroethane	1048	30	1000	0	105	70-135	0				
1,2-Dichloropropane	955.5	30	1000	0	95.6	70-120	0				
2-Butanone	934	200	1000	0	93.4	30-160	0				
2-Hexanone	1019	30	1000	0	102	45-145	0				
4-Methyl-2-pentanone	1450	30	1000	0	145	45-145	0			S	
Acetone	1112	100	1000	0	111	20-160	0				
Benzene	946.5	30	1000	0	94.6	75-125	0				
Bromodichloromethane	948.5	30	1000	0	94.8	70-130	0				
Bromoform	799	30	1000	0	79.9	55-135	0				
Bromomethane	799.5	75	1000	0	80	30-160	0				
Carbon disulfide	1049	30	1000	0	105	45-160	0				
Carbon tetrachloride	947	30	1000	0	94.7	65-135	0				
Chlorobenzene	973.5	30	1000	0	97.4	75-125	0				
Chloroethane	851	100	1000	0	85.1	40-155	0				
Chloroform	989.5	30	1000	0	99	70-125	0				
Chloromethane	811	100	1000	0	81.1	50-130	0				
cis-1,2-Dichloroethene	977	30	1000	0	97.7	65-125	0				
cis-1,3-Dichloropropene	942.5	30	1000	0	94.2	70-125	0				
Dibromochloromethane	930	30	1000	0	93	65-135	0				
Ethylbenzene	982	30	1000	0	98.2	75-125	0				
m,p-Xylene	1950	60	2000	0	97.5	80-125	0				
Methylene chloride	996.5	30	1000	0	99.6	55-145	0				
o-Xylene	1012	30	1000	0	101	75-125	0				
Styrene	992.5	30	1000	0	99.2	75-125	0				
Tetrachloroethene	1000	30	1000	0	100	64-140	0				
Toluene	977	30	1000	0	97.7	70-125	0				
trans-1,2-Dichloroethene	1026	30	1000	0	103	65-135	0				
trans-1,3-Dichloropropene	962	30	1000	0	96.2	65-125	0				
Trichloroethene	944.5	30	1000	0	94.4	75-125	0				
Vinyl chloride	753.5	30	1000	0	75.4	60-125	0				
Xylenes, Total	2962	90	3000	0	98.7	75-125	0				
Surr: 1,2-Dichloroethane-d4	1048	0	1000	0	105	70-130	0				
Surr: 4-Bromofluorobenzene	990.5	0	1000	0	99	70-130	0				
Surr: Dibromofluoromethane	987.5	0	1000	0	98.8	70-130	0				
Surr: Toluene-d8	1026	0	1000	0	103	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

MSD		Sample ID: 13111249-06A MSD			Units: µg/Kg			Analysis Date: 11/28/2013 01:16 PM		
Client ID: SB-14		Run ID: VMS8_131127B			SeqNo: 2559188			Prep Date: 11/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	971	30	1000	0	97.1	70-135	967.5	0.361	30	
1,1,2,2-Tetrachloroethane	994	30	1000	0	99.4	55-130	883.5	11.8	30	
1,1,2-Trichloroethane	993.5	30	1000	0	99.4	60-125	975.5	1.83	30	
1,1-Dichloroethane	974	30	1000	0	97.4	75-125	980.5	0.665	30	
1,1-Dichloroethene	1005	30	1000	0	100	65-135	993	1.2	30	
1,2-Dichloroethane	1034	30	1000	0	103	70-135	1048	1.25	30	
1,2-Dichloropropane	945	30	1000	0	94.5	70-120	955.5	1.1	30	
2-Butanone	980.5	200	1000	0	98	30-160	934	4.86	30	
2-Hexanone	1103	30	1000	0	110	45-145	1019	7.92	30	
4-Methyl-2-pentanone	1538	30	1000	0	154	45-145	1450	5.89	30	S
Acetone	1224	100	1000	0	122	20-160	1112	9.58	30	
Benzene	949.5	30	1000	0	95	75-125	946.5	0.316	30	
Bromodichloromethane	944	30	1000	0	94.4	70-130	948.5	0.476	30	
Bromoform	868	30	1000	0	86.8	55-135	799	8.28	30	
Bromomethane	772	75	1000	0	77.2	30-160	799.5	3.5	30	
Carbon disulfide	929	30	1000	0	92.9	45-160	1049	12.1	30	
Carbon tetrachloride	925	30	1000	0	92.5	65-135	947	2.35	30	
Chlorobenzene	991	30	1000	0	99.1	75-125	973.5	1.76	30	
Chloroethane	696	100	1000	0	69.6	40-155	851	20	30	
Chloroform	980.5	30	1000	0	98	70-125	989.5	0.914	30	
Chloromethane	828.5	100	1000	0	82.8	50-130	811	2.13	30	
cis-1,2-Dichloroethene	971	30	1000	0	97.1	65-125	977	0.616	30	
cis-1,3-Dichloropropene	925	30	1000	0	92.5	70-125	942.5	1.87	30	
Dibromochloromethane	960.5	30	1000	0	96	65-135	930	3.23	30	
Ethylbenzene	993.5	30	1000	0	99.4	75-125	982	1.16	30	
m,p-Xylene	1994	60	2000	0	99.7	80-125	1950	2.23	30	
Methylene chloride	992.5	30	1000	0	99.2	55-145	996.5	0.402	30	
o-Xylene	1031	30	1000	0	103	75-125	1012	1.86	30	
Styrene	1032	30	1000	0	103	75-125	992.5	3.85	30	
Tetrachloroethene	1017	30	1000	0	102	64-140	1000	1.64	30	
Toluene	965.5	30	1000	0	96.6	70-125	977	1.18	30	
trans-1,2-Dichloroethene	980.5	30	1000	0	98	65-135	1028	4.78	30	
trans-1,3-Dichloropropene	958	30	1000	0	95.8	65-125	962	0.417	30	
Trichloroethene	900.5	30	1000	0	90	75-125	944.5	4.77	30	
Vinyl chloride	726.5	30	1000	0	72.6	60-125	753.5	3.65	30	
Xylenes, Total	3025	90	3000	0	101	75-125	2962	2.1	30	
Surr: 1,2-Dichloroethane-d4	1092	0	1000	0	109	70-130	1048	4.07	30	
Surr: 4-Bromofluorobenzene	999.5	0	1000	0	100	70-130	990.5	0.905	30	
Surr: Dibromofluoromethane	1032	0	1000	0	103	70-130	987.5	4.41	30	
Surr: Toluene-d8	1034	0	1000	0	103	70-130	1026	0.825	30	

The following samples were analyzed in this batch: 13111249-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

MBLK	Sample ID: VBLKW2-131129-R131534	Units: µg/L		Analysis Date: 11/30/2013 12:03 PM						
Client ID:	Run ID: VMS8_131129B	SeqNo: 2561388	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	2.0								
2-Butanone	ND	5.0								
2-Hexanone	ND	5.0								
4-Methyl-2-oentanone	ND	5.0								
Acetone	ND	20								
Benzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								
Carbon disulfide	ND	2.5								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Dibromochloromethane	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methylene chloride	ND	5.0								
o-Xylene	ND	1.0								
Styrene	ND	1.0								
Tetrachloroethene	ND	2.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Vinyl chloride	ND	1.0								
1,2-Dichloroethene, Total	ND	2.0								
1,3-Dichloropropene, Total	ND	2.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	20.6	0	20	0	103	70-120	0			
Surr: 4-Bromofluorobenzene	19.5	0	20	0	97.5	75-120	0			
Surr: Dibromofluoromethane	19.8	0	20	0	99	85-115	0			
Surr: Toluene-d8	18.45	0	20	0	92.2	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

LCS		Sample ID: VLCSW2-131129-R131534				Units: µg/L		Analysis Date: 11/29/2013 10:51 PM			
Client ID:	Run ID: VMS8_131129B			SeqNo: 2561377	Prep Date:	DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.6	1.0	20	0	103	65-130	0				
1,1,2,2-Tetrachloroethane	20.57	1.0	20	0	103	65-130	0				
1,1,2-Trichloroethane	23.47	1.0	20	0	117	75-125	0				
1,1-Dichloroethane	20.63	1.0	20	0	103	70-135	0				
1,1-Dichloroethene	17.37	1.0	20	0	86.6	70-130	0				
1,2-Dichloroethane	21.85	1.0	20	0	109	70-130	0				
1,2-Dichloropropane	17.87	2.0	20	0	89.4	75-125	0				
2-Butanone	23.11	5.0	20	0	116	30-150	0				
2-Hexanone	23.57	5.0	20	0	118	55-130	0				
4-Methyl-2-pentanone	39.97	5.0	20	0	200	60-135	0			S	
Acetone	20.67	20	20	0	103	40-140	0				
Benzene	20.04	1.0	20	0	100	80-120	0				
Bromodichloromethane	20.42	1.0	20	0	102	75-120	0				
Bromoform	18.66	1.0	20	0	93.3	70-130	0				
Bromomethane	18.61	1.0	20	0	93	30-145	0				
Carbon disulfide	19.47	2.5	20	0	97.4	35-165	0				
Carbon tetrachloride	20.06	1.0	20	0	100	65-140	0				
Chlorobenzene	19.64	1.0	20	0	98.2	80-120	0				
Chloroethane	18.21	1.0	20	0	91	60-135	0				
Chloroform	21.16	1.0	20	0	106	65-135	0				
Chloromethane	15.42	1.0	20	0	77.1	70-125	0				
cis-1,2-Dichloroethene	20.89	1.0	20	0	104	70-125	0				
cis-1,3-Dichloropropene	20.76	1.0	20	0	104	70-130	0				
Dibromochloromethane	20.36	1.0	20	0	102	60-135	0				
Ethylbenzene	19.35	1.0	20	0	96.8	75-125	0				
m,p-Xylene	39.36	2.0	40	0	98.4	75-130	0				
Methylene chloride	21.49	5.0	20	0	107	55-140	0				
o-Xylene	20.33	1.0	20	0	102	80-120	0				
Styrene	20.73	1.0	20	0	104	65-135	0				
Tetrachloroethene	21.79	2.0	20	0	109	45-150	0				
Toluene	23.79	1.0	20	0	119	75-120	0				
trans-1,2-Dichloroethene	21.83	1.0	20	0	109	60-140	0				
trans-1,3-Dichloropropene	24.47	1.0	20	0	122	55-140	0				
Trichloroethene	16.74	1.0	20	0	83.7	70-125	0				
Vinyl chloride	14.13	1.0	20	0	70.6	50-145	0				
Xylenes, Total	59.71	3.0	60	0	99.5	75-130	0				
Surr: 1,2-Dichloroethane-d4	22.74	0	20	0	114	70-120	0				
Surr: 4-Bromofluorobenzene	20.43	0	20	0	102	75-120	0				
Surr: Dibromofluoromethane	20.32	0	20	0	102	85-115	0				
Surr: Toluene-d8	24.41	0	20	0	122	85-120	0			S	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

MS		Sample ID: 13111249-07A MS			Units: µg/L			Analysis Date: 11/30/2013 08:57 AM			
Client ID: TMW-2		Run ID: VMS8_131129B			SeqNo:2561384			Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	19.05	1.0	20	0	95.2	65-130	0				
1,1,2,2-Tetrachloroethane	15.99	1.0	20	0	80	65-130	0				
1,1,2-Trichloroethane	16.71	1.0	20	0	83.6	75-125	0				
1,1-Dichloroethane	18.04	1.0	20	0	90.2	70-135	0				
1,1-Dichloroethene	19.19	1.0	20	0	96	70-130	0				
1,2-Dichloroethane	17.43	1.0	20	0	87.2	70-130	0				
1,2-Dichloropropane	16.9	2.0	20	0	84.5	75-125	0				
2-Butanone	16.94	5.0	20	0	84.7	30-150	0				
2-Hexanone	16	5.0	20	0	80	55-130	0				
4-Methyl-2-pentanone	21.78	5.0	20	0	109	60-135	0				
Acetone	22.45	20	20	0	112	40-140	0				
Benzene	17.71	1.0	20	0	88.6	80-120	0				
Bromodichloromethane	17.35	1.0	20	0	86.9	75-120	0				
Bromoform	13.83	1.0	20	0	69.2	70-130	0			S	
Bromomethane	21.14	1.0	20	0	106	30-145	0				
Carbon disulfide	20.32	2.5	20	0	102	35-165	0				
Carbon tetrachloride	18.84	1.0	20	0	94.2	65-140	0				
Chlorobenzene	18.04	1.0	20	0	90.2	80-120	0				
Chloroethane	27.75	1.0	20	0	139	60-135	0			S	
Chloroform	18.84	1.0	20	0	94.2	65-135	0				
Chloromethane	16.33	1.0	20	0	81.6	70-125	0				
cis-1,2-Dichloroethene	17.83	1.0	20	0	89.2	70-125	0				
cis-1,3-Dichloropropene	16.86	1.0	20	0	84.3	70-130	0				
Dibromochloromethane	16.62	1.0	20	0	83.1	60-135	0				
Ethylbenzene	17.98	1.0	20	0	89.9	75-125	0				
m,p-Xylene	35.91	2.0	40	0	89.8	75-130	0				
Methylene chloride	17.49	5.0	20	0	87.4	55-140	0				
o-Xylene	18.34	1.0	20	0	91.7	80-120	0				
Styrene	18.04	1.0	20	0	90.2	65-135	0				
Tetrachloroethene	17.22	2.0	20	0	86.1	45-150	0				
Toluene	18.13	1.0	20	0	90.6	75-120	0				
trans-1,2-Dichloroethene	18.59	1.0	20	0	93	60-140	0				
trans-1,3-Dichloropropene	17.03	1.0	20	0	85.2	55-140	0				
Trichloroethene	17.26	1.0	20	0	86.3	70-125	0				
Vinyl chloride	15.95	1.0	20	0	79.8	50-145	0				
Xylenes, Total	54.25	3.0	60	0	90.4	75-130	0				
Surr: 1,2-Dichloroethane-d4	20.61	0	20	0	103	70-120	0				
Surr: 4-Bromofluorobenzene	20.09	0	20	0	100	75-120	0				
Surr: Dibromofluoromethane	19.99	0	20	0	100	85-115	0				
Surr: Toluene-d8	20.31	0	20	0	102	85-120	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: R131534		Instrument ID VMS8		Method: SW8260						
MSD		Sample ID: 13111249-07A MSD		Units: µg/L		Analysis Date: 11/30/2013 09:21 AM				
Client ID: TMW-2		Run ID: VMS8_131129B		SeqNo:2561385		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.93	1.0	20	0	94.6	65-130	19.05	0.632	30	
1,1,2,2-Tetrachloroethane	16.89	1.0	20	0	84.4	65-130	15.99	5.47	30	
1,1,2-Trichloroethane	17.13	1.0	20	0	85.6	75-125	16.71	2.48	30	
1,1-Dichloroethane	18.19	1.0	20	0	91	70-135	18.04	0.828	30	
1,1-Dichloroethene	18.34	1.0	20	0	91.7	70-130	19.19	4.53	30	
1,2-Dichloroethane	17.71	1.0	20	0	88.6	70-130	17.43	1.59	30	
1,2-Dichloropropane	16.62	2.0	20	0	83.1	75-125	16.9	1.67	30	
2-Butanone	18.18	5.0	20	0	90.9	30-150	16.94	7.06	30	
2-Hexanone	17.47	5.0	20	0	87.4	55-130	16	8.78	30	
4-Methyl-2-pentanone	24.4	5.0	20	0	122	60-135	21.78	11.3	30	
Acetone	23.8	20	20	0	119	40-140	22.45	5.84	30	
Benzene	17.39	1.0	20	0	87	80-120	17.71	1.82	30	
Bromodichloromethane	17.18	1.0	20	0	85.9	75-120	17.38	1.16	30	
Bromoform	14.74	1.0	20	0	73.7	70-130	13.83	6.37	30	
Bromomethane	22.96	1.0	20	0	115	30-145	21.14	8.25	30	
Carbon disulfide	20.58	2.5	20	0	103	35-165	20.32	1.32	30	
Carbon tetrachloride	18.69	1.0	20	0	93.4	65-140	18.84	0.799	30	
Chlorobenzene	17.71	1.0	20	0	88.6	80-120	18.04	1.85	30	
Chloroethane	22.2	1.0	20	0	111	60-135	27.75	22.2	30	
Chloroform	18.96	1.0	20	0	94.6	65-135	18.84	0.635	30	
Chloromethane	17.08	1.0	20	0	85.4	70-125	16.33	4.49	30	
cis-1,2-Dichloroethene	18.03	1.0	20	0	90.2	70-125	17.83	1.12	30	
cis-1,3-Dichloropropene	16.45	1.0	20	0	82.2	70-130	16.86	2.46	30	
Dibromochloromethane	17.25	1.0	20	0	86.2	60-135	16.62	3.72	30	
Ethylbenzene	17.79	1.0	20	0	89	75-125	17.98	1.06	30	
m,p-Xylene	35.53	2.0	40	0	88.8	75-130	35.91	1.06	30	
Methylene chloride	17.27	5.0	20	0	86.4	55-140	17.49	1.27	30	
o-Xylene	18.08	1.0	20	0	90.4	80-120	18.34	1.43	30	
Styrene	17.75	1.0	20	0	88.8	65-135	18.04	1.62	30	
Tetrachloroethene	17.45	2.0	20	0	87.2	45-150	17.22	1.33	30	
Toluene	18.06	1.0	20	0	90.3	75-120	18.13	0.387	30	
trans-1,2-Dichloroethene	18.68	1.0	20	0	93.4	60-140	18.59	0.483	30	
trans-1,3-Dichloropropene	16.93	1.0	20	0	84.6	55-140	17.03	0.589	30	
Trichloroethene	17.32	1.0	20	0	86.6	70-125	17.26	0.347	30	
Vinyl chloride	15.99	1.0	20	0	80	50-145	15.95	0.25	30	
Xylenes, Total	53.61	3.0	60	0	89.4	75-130	54.25	1.19	30	
Surr: 1,2-Dichloroethane-d4	20.73	0	20	0	104	70-120	20.61	0.581	30	
Surr: 4-Bromofluorobenzene	20.2	0	20	0	101	75-120	20.09	0.546	30	
Surr: Dibromofluoromethane	20.56	0	20	0	103	85-115	19.99	2.81	30	
Surr: Toluene-d8	20.47	0	20	0	102	85-120	20.31	0.785	30	

The following samples were analyzed in this batch:

13111249-07A	13111249-08A	13111249-09A
13111249-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131552 Instrument ID VMS8 Method: SW8260

MBLK	Sample ID: VBLKW1-131202-R131552	Units: µg/L		Analysis Date: 12/2/2013 01:01 PM						
Client ID:	Run ID: VMS8_131202A	SeqNo: 2562327	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	2.0								
2-Butanone	ND	5.0								
2-Hexanone	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	20								
Benzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								
Carbon disulfide	ND	2.5								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Dibromochloromethane	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methylene chloride	ND	5.0								
o-Xylene	ND	1.0								
Styrene	ND	1.0								
Tetrachloroethene	ND	2.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Vinyl chloride	ND	1.0								
1,2-Dichloroethene, Total	ND	2.0								
1,3-Dichloropropene, Total	ND	2.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	20.42	0	20	0	102	70-120	0			
Surr: 4-Bromofluorobenzene	19.77	0	20	0	98.8	75-120	0			
Surr: Dibromofluoromethane	19.73	0	20	0	98.6	85-115	0			
Surr: Toluene-d8	20.22	0	20	0	101	85-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131552 Instrument ID VMS8 Method: SW8260

LCS		Sample ID: VLCSW1-131202-R131552				Units: µg/L		Analysis Date: 12/2/2013 11:24 AM			
Client ID:	Run ID: VMS8_131202A			SeqNo:2562324		Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.96	1.0	20	0	105	65-130	0	0			
1,1,2,2-Tetrachloroethane	19.77	1.0	20	0	98.8	65-130	0	0			
1,1,2-Trichloroethane	20.06	1.0	20	0	100	75-125	0	0			
1,1-Dichloroethane	20.96	1.0	20	0	105	70-135	0	0			
1,1-Dichloroethene	20.2	1.0	20	0	101	70-130	0	0			
1,2-Dichloroethane	20.22	1.0	20	0	101	70-130	0	0			
1,2-Dichloropropane	19.13	2.0	20	0	95.6	75-125	0	0			
2-Butanone	17.89	5.0	20	0	89.4	30-150	0	0			
2-Hexanone	19.04	5.0	20	0	95.2	55-130	0	0			
4-Methyl-2-pentanone	27.05	5.0	20	0	135	60-135	0	0		S	
Acetone	20.6	20	20	0	103	40-140	0	0			
Benzene	19.76	1.0	20	0	98.8	80-120	0	0			
Bromodichloromethane	20.12	1.0	20	0	101	75-120	0	0			
Bromoform	18.14	1.0	20	0	90.7	70-130	0	0			
Bromomethane	26.06	1.0	20	0	130	30-145	0	0			
Carbon disulfide	23.18	2.5	20	0	116	35-165	0	0			
Carbon tetrachloride	21.17	1.0	20	0	106	65-140	0	0			
Chlorobenzene	20.34	1.0	20	0	102	80-120	0	0			
Chloroethane	21.54	1.0	20	0	108	60-135	0	0			
Chloroform	21.76	1.0	20	0	109	65-135	0	0			
Chloromethane	17.59	1.0	20	0	88	70-125	0	0			
cis-1,2-Dichloroethene	21.32	1.0	20	0	107	70-125	0	0			
cis-1,3-Dichloropropene	20.71	1.0	20	0	104	70-130	0	0			
Dibromochloromethane	20.57	1.0	20	0	103	60-135	0	0			
Ethylbenzene	20.5	1.0	20	0	102	75-125	0	0			
m,p-Xylene	42.19	2.0	40	0	105	75-130	0	0			
Methylene chloride	20.32	5.0	20	0	102	55-140	0	0			
o-Xylene	21.24	1.0	20	0	106	80-120	0	0			
Styrene	21.54	1.0	20	0	108	65-135	0	0			
Tetrachloroethene	20.12	2.0	20	0	101	45-150	0	0			
Toluene	20.5	1.0	20	0	102	75-120	0	0			
trans-1,2-Dichloroethene	21.86	1.0	20	0	109	60-140	0	0			
trans-1,3-Dichloropropene	21.41	1.0	20	0	107	55-140	0	0			
Trichloroethene	19.43	1.0	20	0	97.2	70-125	0	0			
Vinyl chloride	16.14	1.0	20	0	80.7	50-145	0	0			
Xylenes, Total	63.43	3.0	60	0	106	75-130	0	0			
Surr: 1,2-Dichloroethane-d4	20.5	0	20	0	102	70-120	0	0			
Surr: 4-Bromofluorobenzene	20.46	0	20	0	102	75-120	0	0			
Surr: Dibromofluoromethane	20.5	0	20	0	102	85-115	0	0			
Surr: Toluene-d8	20.64	0	20	0	103	85-120	0	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131552 Instrument ID VMS8 Method: SW8260

MS	Sample ID: 13111248-06A MS	Units: µg/L					Analysis Date: 12/2/2013 09:14 PM				
Client ID:	Run ID: VMS8_131202A	SeqNo:2562347			Prep Date:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	21.43	1.0	20	0	107	65-130	0				
1,1,2,2-Tetrachloroethane	19.7	1.0	20	0	98.5	65-130	0				
1,1,2-Trichloroethane	19.62	1.0	20	0	98.1	75-125	0				
1,1-Dichloroethane	20.16	1.0	20	0	101	70-135	0				
1,1-Dichloroethene	20.21	1.0	20	0	101	70-130	0				
1,2-Dichloroethane	19.94	1.0	20	0	99.7	70-130	0				
1,2-Dichloropropane	18.69	2.0	20	0	93.4	75-125	0				
2-Butanone	16.77	5.0	20	0	83.8	30-150	0				
2-Hexanone	19.58	5.0	20	0	97.9	55-130	0				
4-Methyl-2-pentanone	26.86	5.0	20	0	134	60-135	0				
Acetone	17.15	20	20	0	85.8	40-140	0			J	
Benzene	20.05	1.0	20	0	100	80-120	0				
Bromodichloromethane	19.9	1.0	20	0	99.5	75-120	0				
Bromoform	17.42	1.0	20	0	87.1	70-130	0				
Bromomethane	16.03	1.0	20	0	80.2	30-145	0				
Carbon disulfide	20.38	2.5	20	0	102	35-165	0				
Carbon tetrachloride	21.71	1.0	20	0	109	65-140	0				
Chlorobenzene	20.44	1.0	20	0	102	80-120	0				
Chloroethane	17.04	1.0	20	0	85.2	60-135	0				
Chloroform	21.03	1.0	20	0	105	65-135	0				
Chloromethane	14.9	1.0	20	0	74.5	70-125	0				
cis-1,2-Dichloroethene	20.53	1.0	20	0	103	70-125	0				
cis-1,3-Dichloropropene	20.33	1.0	20	0	102	70-130	0				
Dibromochloromethane	19.89	1.0	20	0	99.4	60-135	0				
Ethylbenzene	20.98	1.0	20	0	105	75-125	0				
m,p-Xylene	41.78	2.0	40	0	104	75-130	0				
Methylene chloride	19.5	5.0	20	0	97.5	55-140	0				
o-Xylene	21.09	1.0	20	0	105	80-120	0				
Styrene	20.97	1.0	20	0	105	65-135	0				
Tetrachloroethene	19.68	2.0	20	0	98.4	45-150	0				
Toluene	20.41	1.0	20	0	102	75-120	0				
trans-1,2-Dichloroethene	20.57	1.0	20	0	103	60-140	0				
trans-1,3-Dichloropropene	20.59	1.0	20	0	103	55-140	0				
Trichloroethene	20.15	1.0	20	0	101	70-125	0				
Vinyl chloride	15.78	1.0	20	0	78.9	50-145	0				
Xylenes, Total	62.87	3.0	60	0	105	75-130	0				
Surr: 1,2-Dichloroethane-d4	20.35	0	20	0	102	70-120	0				
Surr: 4-Bromofluorobenzene	20.51	0	20	0	103	75-120	0				
Surr: Dibromofluoromethane	20.16	0	20	0	101	85-115	0				
Surr: Toluene-d8	20.18	0	20	0	101	85-120	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131552 Instrument ID VMS8 Method: SW8260

MSD	Sample ID: 13111248-06A MSD		Units: µg/L				Analysis Date: 12/2/2013 09:38 PM			
Client ID:	Run ID: VMS8_131202A			SeqNo:2562350		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	21.02	1.0	20	0	105	65-130	21.43	1.93	30	
1,1,2,2-Tetrachloroethane	19.67	1.0	20	0	98.4	65-130	19.7	0.152	30	
1,1,2-Trichloroethane	19.4	1.0	20	0	97	75-125	19.62	1.13	30	
1,1-Dichloroethane	20	1.0	20	0	100	70-135	20.16	0.797	30	
1,1-Dichloroethene	20.86	1.0	20	0	104	70-130	20.21	3.17	30	
1,2-Dichloroethane	19.67	1.0	20	0	98.4	70-130	19.94	1.36	30	
1,2-Dichloropropane	18.97	2.0	20	0	94.8	75-125	18.69	1.49	30	
2-Butanone	18.53	5.0	20	0	92.6	30-150	16.77	9.97	30	
2-Hexanone	20.09	5.0	20	0	100	55-130	19.58	2.57	30	
4-Methyl-2-pentanone	28.27	5.0	20	0	141	60-135	26.86	5.04	30	S
Acetone	20.49	20	20	0	102	40-140	17.15	17.7	30	
Benzene	19.71	1.0	20	0	98.6	80-120	20.05	1.71	30	
Bromodichloromethane	19.64	1.0	20	0	98.2	75-120	19.9	1.32	30	
Bromoform	17.41	1.0	20	0	87	70-130	17.42	0.0574	30	
Bromomethane	21.76	1.0	20	0	109	30-145	16.03	30.3	30	R
Carbon disulfide	20.25	2.5	20	0	101	35-165	20.38	0.64	30	
Carbon tetrachloride	21	1.0	20	0	105	65-140	21.71	3.32	30	
Chlorobenzene	20.01	1.0	20	0	100	80-120	20.44	2.13	30	
Chloroethane	18.81	1.0	20	0	94	60-135	17.04	9.87	30	
Chloroform	20.92	1.0	20	0	105	65-135	21.03	0.524	30	
Chloromethane	14.58	1.0	20	0	72.9	70-125	14.9	2.17	30	
cis-1,2-Dichloroethene	20.35	1.0	20	0	102	70-125	20.53	0.881	30	
cis-1,3-Dichloropropene	20.49	1.0	20	0	102	70-130	20.33	0.784	30	
Dibromochloromethane	19.52	1.0	20	0	97.6	60-135	19.89	1.88	30	
Ethylbenzene	20.22	1.0	20	0	101	75-125	20.98	3.69	30	
m,p-Xylene	40.31	2.0	40	0	101	75-130	41.78	3.58	30	
Methylene chloride	19.31	5.0	20	0	96.6	55-140	19.5	0.979	30	
o-Xylene	20.79	1.0	20	0	104	80-120	21.09	1.43	30	
Styrene	20.64	1.0	20	0	103	65-135	20.97	1.59	30	
Tetrachloroethene	18.96	2.0	20	0	94.8	45-150	19.68	3.73	30	
Toluene	20.3	1.0	20	0	102	75-120	20.41	0.54	30	
trans-1,2-Dichloroethene	21.08	1.0	20	0	105	60-140	20.57	2.45	30	
trans-1,3-Dichloropropene	20.56	1.0	20	0	103	55-140	20.59	0.146	30	
Trichloroethene	19.89	1.0	20	0	99.4	70-125	20.15	1.3	30	
Vinyl chloride	15.59	1.0	20	0	78	50-145	15.78	1.21	30	
Xylenes, Total	61.1	3.0	60	0	102	75-130	62.87	2.86	30	
Surr: 1,2-Dichloroethane-d4	19.96	0	20	0	99.8	70-120	20.35	1.94	30	
Surr: 4-Bromofluorobenzene	20.29	0	20	0	101	75-120	20.51	1.08	30	
Surr: Dibromofluoromethane	19.56	0	20	0	97.8	85-115	20.16	3.02	30	
Surr: Toluene-d8	20.32	0	20	0	102	85-120	20.18	0.691	30	

The following samples were analyzed in this batch:

13111249-09A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111249  
 Project: Johns Manville-Riverside Parcels

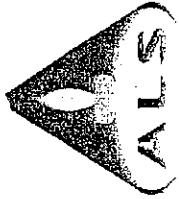
## QC BATCH REPORT

Batch ID: R131395		Instrument ID MOIST			Method: A2540 G						
MBLK	Sample ID: WBLKS-R131395			Units: % of sample			Analysis Date: 11/26/2013 03:00 PM				
Client ID:	Run ID: MOIST_131126E			SeqNo: 2558049			Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	ND	0.050									
DUP	Sample ID: 13111249-04C DUP			Units: % of sample			Analysis Date: 11/26/2013 03:00 PM				
Client ID: SB-1 FD	Run ID: MOIST_131126E			SeqNo: 2558019			Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	16.2	0.050	0	0	0	0-0	15.85	2.18	20		
DUP	Sample ID: 13111254-21C DUP			Units: % of sample			Analysis Date: 11/26/2013 03:00 PM				
Client ID:	Run ID: MOIST_131126E			SeqNo: 2558024			Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Moisture	18.85	0.050	0	0	0	0-0	19.57	3.75	20		

The following samples were analyzed in this batch:

13111249-01C	13111249-02C	13111249-03C
13111249-04C	13111249-05C	13111249-06C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



ALS Environmental  
1740 Union Carbide Drive  
So. Charleston, WV 25303  
(Tel) 304.356.3168  
(Fax) 304.205.6262

# Chain of Custody Form

Page 1 of 4

ALS Environmental  
3352 128th Avenue  
Holland, Michigan 49424  
(Tel) 616.399.6070  
(Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager		ALS Work Order #											
Purchase Order: 04-13-0402	Project Name: John's Manville-Riverside Parcels	Parameter/Method: Request for Analysis		ALS Work Order #: 1311249													
Work Order:	Project Number: 04-13-0402	VOC by 8260															
Company Name: Triad Engineering, Inc.	Bill To Company: Triad Engineering, Inc.	FAH 8270 SIM															
Send Report To: Matthew Wright	Invoice Attn: Jamie Stemple	RCRA 8 Metals															
Address: 4980 Teays Valley Rd.	Address: 219 Hartman Run Rd.	RCRA 8 Metals (Dissolved field filtered)															
City/State/Zip: Scott Depot, WV 25560	City/State/Zip: Morgantown, WV 26505																
Phone: 304-755-0721	Phone: 304-296-2562																
Fax: 304-755-1880	Fax: 304-296-8739																
e-Mail Address: mwright@triadeng.com	e-Mail Address: jstemple@triadeng.com																
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Boilies	A	B	C	D	E	F	G	H	I	J	Hold
1	SS-1	11/19/2013	1530	soil	7,6,8	5	X	X	X								
2	SS-1 FD	11/19/2013	1530	soil	7,6,8	10	X	X	X								
3	SB-1	11/19/2013	1530	soil	7,6,8	5	X	X	X								
4	SB-1 FD	11/19/2013	1530	soil	7,6,8	10	X	X	X								
5	SS-3 with MS/MSD	11/20/2013	0930	soil	7,6,8	15	X	X	X								
6	SB-14 with MS/MSD	11/20/2013	1020	soil	7,6,8	15	X	X	X								
7	TMW-2 with MS/MSD	11/21/2013	1015	water	1,2,8	18	X	X	X								
8	TMW-4	11/21/2013	1300	water	1,2,8	6	X	X	X								
9	TMW-4 FD	11/21/2013	1300	water	1,2,8	12	X	X	X								
10	TRIP Blank	11/21/13															
Sampler(s): Please Print & Sign Brenda Foster		Shipment Method:		Required Turnaround Time: (Check Box)		Results Due Date:											
Received by: [Signature]		Date: 11/22/13		Time: 1530		Date: 11/24/13		Time: 1546		Date: 11/22/13		Time: 1720		Date: 11/22/13		Time: 1720	
Received by (Laboratory): [Signature]		Date: 11/22/13		Time: 1546		Date: 11/24/13		Time: 1720		Date: 11/22/13		Time: 1720		Date: 11/22/13		Time: 1720	
Checked by (Laboratory): [Signature]		Date: 11/22/13		Time: 1720		Date: 11/24/13		Time: 1720		Date: 11/22/13		Time: 1720		Date: 11/22/13		Time: 1720	
Logged by (Laboratory): [Signature]		Date: 11/22/13		Time: 1720		Date: 11/24/13		Time: 1720		Date: 11/22/13		Time: 1720		Date: 11/22/13		Time: 1720	
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C		QC Package: (Check Box Below)		Cooler Temp		ALS Cooler ID		Level II: Standard QC		Level III: Raw Data		TRRP LRC		Level IV: SW846 Methods/CLP like		Other:	
Notes: Rec'd 11/20/13 10:45 & 2 PL 3.2's		ALS Cooler ID		Cooler Temp		ALS Cooler ID		Level II: Standard QC		Level III: Raw Data		TRRP LRC		Level IV: SW846 Methods/CLP like		Other:	

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **TRIADENGINEER**

Date/Time Received: **22-Nov-13 15:46**

Work Order: **13111249**

Received by: **JAS**

Checklist completed by *Janet Smith* 25-Nov-13 Reviewed by: *Rebecca Lison* 27-Nov-13  
eSignature Date eSignature Date

Matrices: **Soil and Water**

Carrier name: **Courier**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.0C</u>		<u>IF</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u></u>		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:	<u></u>		

Login Notes: **Received at ALS Holland 11/26/13 10:45 AM - 3.2 c**

Client Contacted: Date Contacted: Person Contacted:  
Contacted By: Regarding:

Comments:

CorrectiveAction:



ALS Environmental

13-Dec-2013

Matthew Wright  
Triad Engineering, Inc.  
4980 Teays Valley Road  
Scott Depot, WV 25560

Re: **Johns Manville-Riverside Parcels**

Work Order: **13111254**

Dear Matthew,

ALS Environmental received 30 samples on 22-Nov-2013 03:46 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 110.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Electronically approved by: Rebecca Kiser

Rebecca Kiser  
Project Manager



Certificate No: MN 532786

### Report of Laboratory Analysis

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Work Order: 13111254

**Work Order Sample Summary**

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
13111254-01	SS-2	Soil		11/19/2013 13:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-02	SS-4	Soil		11/19/2013 15:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-03	SS-5	Soil		11/19/2013 14:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-04	SS-6	Soil		11/20/2013 15:20	11/22/2013 15:46	<input type="checkbox"/>
13111254-05	SS-7	Soil		11/19/2013 16:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-06	SS-8	Soil		11/20/2013 14:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-07	SS-9	Soil		11/20/2013 12:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-08	SS-10	Soil		11/20/2013 14:30	11/22/2013 15:46	<input type="checkbox"/>
13111254-09	SS-11	Soil		11/19/2013 10:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-10	SS-12	Soil		11/19/2013 11:30	11/22/2013 15:46	<input type="checkbox"/>
13111254-11	SS-13	Soil		11/19/2013 11:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-12	SS-14	Soil		11/20/2013 10:20	11/22/2013 15:46	<input type="checkbox"/>
13111254-13	SS-15	Soil		11/20/2013 11:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-14	SS-16	Soil		11/20/2013 15:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-15	SB-2	Soil		11/19/2013 13:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-16	SB-3	Soil		11/20/2013 09:30	11/22/2013 15:46	<input type="checkbox"/>
13111254-17	SB-4	Soil		11/19/2013 15:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-18	SB-5	Soil		11/19/2013 14:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-19	SB-6	Soil		11/20/2013 15:35	11/22/2013 15:46	<input type="checkbox"/>
13111254-20	SB-7	Soil		11/19/2013 16:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-21	SB-8	Soil		11/20/2013 14:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-22	SB-9	Soil		11/20/2013 12:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-23	SB-10	Soil		11/20/2013 14:30	11/22/2013 15:46	<input type="checkbox"/>
13111254-24	SB-11	Soil		11/19/2013 10:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-25	SB-13	Soil		11/19/2013 11:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-26	SB-15	Soil		11/20/2013 11:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-27	SB-16	Soil		11/20/2013 15:00	11/22/2013 15:46	<input type="checkbox"/>
13111254-28	TMW-1	Water		11/21/2013 09:45	11/22/2013 15:46	<input type="checkbox"/>
13111254-29	TMW-3	Water		11/21/2013 11:30	11/22/2013 15:46	<input type="checkbox"/>
13111254-30	Trip Blank	Water		11/21/2013	11/22/2013 15:46	<input type="checkbox"/>

**ALS Group USA, Corp**

Date: 13-Dec-13

**Client:** Triad Engineering, Inc.  
**Project:** Johns Manville-Riverside Parcels  
**Work Order:** 13111254

**Case Narrative**

The reporting limits for the following metals analysis are elevated due to dilution due to high concentration of non-target analytes: 13111254-01, B13111254-02B, 13111254-03B, 13111254-04B, 13111254-06B, 13111254-07B, 13111254-08B, 13111254-09B, 13111254-10B, 13111254-11B, 13111254-12B, 13111254-13B, 13111254-14, B13111254-15B, 13111254-16B, 13111254-17B, 13111254-18B, 13111254-19B, 13111254-20B, 13111254-21B, 13111254-22B, 13111254-23B, 13111254-24B, 13111254-25B, 13111254-26B, 13111254-27B, 13111254-29C,

Batch 53716, Method VOC\_8260\_S, Sample LCS-53716: The LCS recovery was above the upper control limit. The sample results for this analyte may be biased high for this analyte: 1,2-Dibromoethane, 4-Methyl-2-pentanone, trans-1,4-Dichloro-2-butene

Batch 53717, Method VOC\_8260\_S, Sample LCS-53717: The LCS recovery was above the upper control limit. The sample results for this analyte may be biased high for this analyte: 1,2-Dibromoethane  
4-Methyl-2-pentanone

Batch 53753, Method SVO\_8270\_SSIM. Sample 13111254-13B: Matrix spike and Spike Duplicate recovered outside of allowable limits due to matrix interference.



Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 WorkOrder: 13111254

**QUALIFIERS,  
 ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
µg/L	Micrograms per Liter
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-2

Lab ID: 13111254-01

Collection Date: 11/19/2013 01:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.79		0.12	mg/Kg-dry	5	12/2/2013 04:01 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	14		2.0	mg/Kg-dry	5	12/11/2013 10:10 PM
Barium	170		2.0	mg/Kg-dry	5	12/11/2013 10:10 PM
Cadmium	1.8		0.82	mg/Kg-dry	5	12/11/2013 10:10 PM
Chromium	32		2.0	mg/Kg-dry	5	12/11/2013 10:10 PM
Lead	65		2.0	mg/Kg-dry	5	12/11/2013 10:10 PM
Selenium	ND		2.0	mg/Kg-dry	5	12/11/2013 10:10 PM
Silver	ND		2.0	mg/Kg-dry	5	12/11/2013 10:10 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Acenaphthylene	ND		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Anthracene	23		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(a)anthracene	150		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(a)pyrene	110		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(b)fluoranthene	180		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(b-k)fluoranthene	210		39	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(e)pyrene	80		58	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(g,h,i)perylene	62		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Benzo(k)fluoranthene	29		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Chrysene	78		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Dibenzo(a,h)anthracene	ND		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Fluoranthene	170		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Fluorene	ND		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Indeno(1,2,3-cd)pyrene	64		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Naphthalene	ND		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Phenanthrene	72		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Pyrene	140		19	µg/Kg-dry	5	12/3/2013 01:12 AM
Surr: 2-Fluorobiphenyl	77.0		12-100	%REC	5	12/3/2013 01:12 AM
Surr: 4-Terphenyl-d14	93.0		25-137	%REC	5	12/3/2013 01:12 AM
Surr: Nitrobenzene-d5	64.0		37-107	%REC	5	12/3/2013 01:12 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-2

Lab ID: 13111254-01

Collection Date: 11/19/2013 01:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
2-Butanone	ND		240	µg/Kg-dry	1	11/28/2013 09:48 AM
2-Hexanone	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 09:48 AM
Benzene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Bromoform	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Bromomethane	ND		91	µg/Kg-dry	1	11/28/2013 09:48 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 09:48 AM
Chloroform	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 09:48 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
m,p-Xylene	ND		72	µg/Kg-dry	1	11/28/2013 09:48 AM
Methylene chloride	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
o-Xylene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Styrene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Toluene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Trichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	11/28/2013 09:48 AM
1,2-Dichloroethene, Total	ND		72	µg/Kg-dry	1	11/28/2013 09:48 AM
1,3-Dichloropropene, Total	ND		72	µg/Kg-dry	1	11/28/2013 09:48 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 09:48 AM
Surr: 1,2-Dichloroethane-d4	97.5		70-130	%REC	1	11/28/2013 09:48 AM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	1	11/28/2013 09:48 AM
Surr: Dibromofluoromethane	99.0		70-130	%REC	1	11/28/2013 09:48 AM
Surr: Toluene-d8	97.8		70-130	%REC	1	11/28/2013 09:48 AM
<b>MOISTURE</b>			<b>A2540 G</b>			Analyst: MEB
Moisture	17		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-4

Lab ID: 13111254-02

Collection Date: 11/19/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.11		0.026	mg/Kg-dry	1	12/2/2013 03:15 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	20		2.5	mg/Kg-dry	5	12/11/2013 10:15 PM
Barium	2,600		49	mg/Kg-dry	100	12/11/2013 11:49 PM
Cadmium	ND		0.99	mg/Kg-dry	5	12/11/2013 10:15 PM
Chromium	26		2.5	mg/Kg-dry	5	12/11/2013 10:15 PM
Lead	140		2.5	mg/Kg-dry	5	12/11/2013 10:15 PM
Selenium	ND		2.5	mg/Kg-dry	5	12/11/2013 10:15 PM
Silver	ND		2.5	mg/Kg-dry	5	12/11/2013 10:15 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Acenaphthylene	30		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Anthracene	24		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(a)anthracene	180		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(a)pyrene	130		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(b)fluoranthene	220		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(b-k)fluoranthene	250		43	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(e)pyrene	100		65	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(g,h,i)perylene	82		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Benzo(k)fluoranthene	32		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Chrysene	89		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Dibenzo(a,h)anthracene	ND		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Fluoranthene	230		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Fluorene	ND		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Indeno(1,2,3-cd)pyrene	76		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Naphthalene	ND		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Phenanthrene	91		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Pyrene	180		22	µg/Kg-dry	5	12/3/2013 01:46 AM
Surr: 2-Fluorobiphenyl	67.0		12-100	%REC	5	12/3/2013 01:46 AM
Surr: 4-Terphenyl-d14	86.0		25-137	%REC	5	12/3/2013 01:46 AM
Surr: Nitrobenzene-d5	56.0		37-107	%REC	5	12/3/2013 01:46 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
1,1,2,2-Tetrachloroethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
1,1,2-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
1,1-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
1,1-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-4

Lab ID: 13111254-02

Collection Date: 11/19/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
1,2-Dichloropropane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
2-Butanone	ND		260	µg/Kg-dry	1	11/28/2013 11:26 AM
2-Hexanone	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
4-Methyl-2-pentanone	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 11:26 AM
Benzene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Bromodichloromethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Bromoform	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Bromomethane	ND		98	µg/Kg-dry	1	11/28/2013 11:26 AM
Carbon disulfide	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Carbon tetrachloride	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Chlorobenzene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 11:26 AM
Chloroform	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 11:26 AM
cis-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
cis-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Dibromochloromethane	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Ethylbenzene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
m,p-Xylene	ND		79	µg/Kg-dry	1	11/28/2013 11:26 AM
Methylene chloride	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
o-Xylene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Styrene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Tetrachloroethene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Toluene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
trans-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
trans-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Trichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
Vinyl chloride	ND		39	µg/Kg-dry	1	11/28/2013 11:26 AM
1,2-Dichloroethene, Total	ND		79	µg/Kg-dry	1	11/28/2013 11:26 AM
1,3-Dichloropropene, Total	ND		79	µg/Kg-dry	1	11/28/2013 11:26 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 11:26 AM
Surr: 1,2-Dichloroethane-d4	98.5		70-130	%REC	1	11/28/2013 11:26 AM
Surr: 4-Bromofluorobenzene	96.4		70-130	%REC	1	11/28/2013 11:26 AM
Surr: Dibromofluoromethane	98.6		70-130	%REC	1	11/28/2013 11:26 AM
Surr: Toluene-d8	99.2		70-130	%REC	1	11/28/2013 11:26 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	24		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 1311254

Sample ID: SS-5

Lab ID: 1311254-03

Collection Date: 11/19/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.039		0.020	mg/Kg-dry	1	12/2/2013 03:18 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	9.2		2.1	mg/Kg-dry	5	12/11/2013 11:54 PM
Barium	220		2.1	mg/Kg-dry	5	12/11/2013 11:54 PM
Cadmium	ND		0.84	mg/Kg-dry	5	12/11/2013 11:54 PM
Chromium	16		2.1	mg/Kg-dry	5	12/11/2013 11:54 PM
Lead	15		2.1	mg/Kg-dry	5	12/11/2013 11:54 PM
Selenium	ND		2.1	mg/Kg-dry	5	12/11/2013 11:54 PM
Silver	ND		2.1	mg/Kg-dry	5	12/11/2013 11:54 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Acenaphthylene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(a)anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(a)pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(b)fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(b-k)fluoranthene	ND		7.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(g,h,i)perylene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Benzo(k)fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Chrysene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Dibenzo(a,h)anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Fluorene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Indeno(1,2,3-cd)pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Naphthalene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Phenanthrene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 06:32 PM
Surr: 2-Fluorobiphenyl	66.4		12-100	%REC	1	12/2/2013 06:32 PM
Surr: 4-Terphenyl-d14	92.6		25-137	%REC	1	12/2/2013 06:32 PM
Surr: Nitrobenzene-d5	66.0		37-107	%REC	1	12/2/2013 06:32 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-5

Lab ID: 13111254-03

Collection Date: 11/19/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
2-Butanone	ND		240	µg/Kg-dry	1	11/28/2013 10:37 AM
2-Hexanone	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 10:37 AM
Benzene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Bromoform	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Bromomethane	ND		90	µg/Kg-dry	1	11/28/2013 10:37 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 10:37 AM
Chloroform	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 10:37 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
m,p-Xylene	ND		72	µg/Kg-dry	1	11/28/2013 10:37 AM
Methylene chloride	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
o-Xylene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Styrene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Toluene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Trichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	11/28/2013 10:37 AM
1,2-Dichloroethene, Total	ND		72	µg/Kg-dry	1	11/28/2013 10:37 AM
1,3-Dichloropropene, Total	ND		72	µg/Kg-dry	1	11/28/2013 10:37 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 10:37 AM
Surr: 1,2-Dichloroethane-d4	99.4		70-130	%REC	1	11/28/2013 10:37 AM
Surr: 4-Bromofluorobenzene	96.8		70-130	%REC	1	11/28/2013 10:37 AM
Surr: Dibromofluoromethane	100		70-130	%REC	1	11/28/2013 10:37 AM
Surr: Toluene-d8	98.4		70-130	%REC	1	11/28/2013 10:37 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	17		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-6

Lab ID: 13111254-04

Collection Date: 11/20/2013 03:20 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>						
Mercury	0.056		SW7471 0.023	mg/Kg-dry	1	Prep Date: 11/25/2013 Analyst: LR 12/2/2013 03:20 PM
<b>METALS BY ICP-MS</b>						
Arsenic	14		SW6020A 1.9	mg/Kg-dry	5	Prep Date: 12/11/2013 Analyst: CES 12/12/2013
Barium	480		1.9	mg/Kg-dry	5	12/12/2013
Cadmium	ND		0.77	mg/Kg-dry	5	12/12/2013
Chromium	55		1.9	mg/Kg-dry	5	12/12/2013
Lead	34		1.9	mg/Kg-dry	5	12/12/2013
Selenium	ND		1.9	mg/Kg-dry	5	12/12/2013
Silver	ND		1.9	mg/Kg-dry	5	12/12/2013
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 20	µg/Kg-dry	5	Prep Date: 11/27/2013 Analyst: HL 12/3/2013 02:19 AM
Acenaphthylene	26		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Anthracene	ND		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(a)anthracene	130		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(a)pyrene	116		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(b)fluoranthene	170		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(b-k)fluoranthene	200		39	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(e)pyrene	84		59	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(g,h,i)perylene	73		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Benzo(k)fluoranthene	27		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Chrysene	61		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Dibenzo(a,h)anthracene	ND		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Fluoranthene	110		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Fluorene	ND		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Indeno(1,2,3-cd)pyrene	65		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Naphthalene	ND		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Phenanthrene	20		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Pyrene	110		20	µg/Kg-dry	5	12/3/2013 02:19 AM
Surr: 2-Fluorobiphenyl	81.0		12-100	%REC	5	12/3/2013 02:19 AM
Surr: 4-Terphenyl-d14	96.0		25-137	%REC	5	12/3/2013 02:19 AM
Surr: Nitrobenzene-d5	68.0		37-107	%REC	5	12/3/2013 02:19 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 36	µg/Kg-dry	1	Prep Date: 11/19/2013 Analyst: AK 11/29/2013 12:18 PM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-6

Lab ID: 13111254-04

Collection Date: 11/20/2013 03:20 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
2-Butanone	ND		240	µg/Kg-dry	1	11/29/2013 12:18 PM
2-Hexanone	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Acetone	ND		120	µg/Kg-dry	1	11/29/2013 12:18 PM
Benzene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Bromodichloromethane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Bromoform	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Bromomethane	ND		90	µg/Kg-dry	1	11/29/2013 12:18 PM
Carbon disulfide	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Chlorobenzene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Chloroethane	ND		120	µg/Kg-dry	1	11/29/2013 12:18 PM
Chloroform	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Chloromethane	ND		120	µg/Kg-dry	1	11/29/2013 12:18 PM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Dibromochloromethane	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Ethylbenzene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
m,p-Xylene	ND		72	µg/Kg-dry	1	11/29/2013 12:18 PM
Methylene chloride	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
o-Xylene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Styrene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Tetrachloroethene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Toluene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Trichloroethene	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
Vinyl chloride	ND		36	µg/Kg-dry	1	11/29/2013 12:18 PM
1,2-Dichloroethene, Total	ND		72	µg/Kg-dry	1	11/29/2013 12:18 PM
1,3-Dichloropropene, Total	ND		72	µg/Kg-dry	1	11/29/2013 12:18 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/29/2013 12:18 PM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	11/29/2013 12:18 PM
Surr: 4-Bromofluorobenzene	95.0		70-130	%REC	1	11/29/2013 12:18 PM
Surr: Dibromofluoromethane	98.5		70-130	%REC	1	11/29/2013 12:18 PM
Surr: Toluene-d8	103		70-130	%REC	1	11/29/2013 12:18 PM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	17		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-7

Lab ID: 13111254-05

Collection Date: 11/19/2013 04:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.10		0.022	mg/Kg-dry	1	12/2/2013 03:23 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	8.9		2.2	mg/Kg-dry	5	12/12/2013 12:27 AM
Barium	190		2.2	mg/Kg-dry	5	12/12/2013 12:27 AM
Cadmium	ND		0.90	mg/Kg-dry	5	12/12/2013 12:27 AM
Chromium	18		2.2	mg/Kg-dry	5	12/12/2013 12:27 AM
Lead	20		2.2	mg/Kg-dry	5	12/12/2013 12:27 AM
Selenium	ND		2.2	mg/Kg-dry	5	12/12/2013 12:27 AM
Silver	ND		2.2	mg/Kg-dry	5	12/12/2013 12:27 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Acenaphthylene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(a)anthracene	5.0		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(a)pyrene	5.0		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(b)fluoranthene	7.7		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(b-k)fluoranthene	11		7.7	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(g,h,i)perylene	3.9	J	3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Benzo(k)fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Chrysene	6.2		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Dibenzo(a,h)anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Fluoranthene	6.9		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Fluorene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Indeno(1,2,3-cd)pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Naphthalene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Phenanthrene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Pyrene	6.9		3.9	µg/Kg-dry	1	12/2/2013 07:06 PM
Surr: 2-Fluorobiphenyl	75.4		12-100	%REC	1	12/2/2013 07:06 PM
Surr: 4-Terphenyl-d14	97.6		25-137	%REC	1	12/2/2013 07:06 PM
Surr: Nitrobenzene-d5	72.8		37-107	%REC	1	12/2/2013 07:06 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-7

Lab ID: 13111254-05

Collection Date: 11/19/2013 04:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
2-Butanone	ND		240	µg/Kg-dry	1	11/28/2013 10:02 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 10:02 AM
Benzene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Bromoform	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Bromomethane	ND		88	µg/Kg-dry	1	11/28/2013 10:02 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 10:02 AM
Chloroform	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 10:02 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
m,p-Xylene	ND		71	µg/Kg-dry	1	11/28/2013 10:02 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Styrene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Toluene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/28/2013 10:02 AM
1,2-Dichloroethene, Total	ND		71	µg/Kg-dry	1	11/28/2013 10:02 AM
1,3-Dichloropropene, Total	ND		71	µg/Kg-dry	1	11/28/2013 10:02 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 10:02 AM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	11/28/2013 10:02 AM
Surr: 4-Bromofluorobenzene	93.6		70-130	%REC	1	11/28/2013 10:02 AM
Surr: Dibromofluoromethane	96.6		70-130	%REC	1	11/28/2013 10:02 AM
Surr: Toluene-d8	103		70-130	%REC	1	11/28/2013 10:02 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	15		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-8

Lab ID: 13111254-06

Collection Date: 11/20/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.66		0.11	mg/Kg-dry	5	12/2/2013 04:04 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	13		2.0	mg/Kg-dry	5	12/12/2013 12:33 AM
Barium	600		2.0	mg/Kg-dry	5	12/12/2013 12:33 AM
Cadmium	ND		0.78	mg/Kg-dry	5	12/12/2013 12:33 AM
Chromium	16		2.0	mg/Kg-dry	5	12/12/2013 12:33 AM
Lead	15		2.0	mg/Kg-dry	5	12/12/2013 12:33 AM
Selenium	ND		2.0	mg/Kg-dry	5	12/12/2013 12:33 AM
Silver	ND		2.0	mg/Kg-dry	5	12/12/2013 12:33 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Acenaphthylene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(a)anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(a)pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(b)fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(b-k)fluoranthene	ND		7.8	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(g,h,i)perylene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Benzo(k)fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Chrysene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Dibenzo(a,h)anthracene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Fluoranthene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Fluorene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Indeno(1,2,3-cd)pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Naphthalene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Phenanthrene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Pyrene	ND		3.9	µg/Kg-dry	1	12/2/2013 07:39 PM
Surr: 2-Fluorobiphenyl	65.4		12-100	%REC	1	12/2/2013 07:39 PM
Surr: 4-Terphenyl-d14	105		25-137	%REC	1	12/2/2013 07:39 PM
Surr: Nitrobenzene-d5	69.4		37-107	%REC	1	12/2/2013 07:39 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-8

Lab ID: 13111254-06

Collection Date: 11/20/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
2-Butanone	ND		240	µg/Kg-dry	1	11/28/2013 10:50 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 10:50 AM
Benzene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Bromoform	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Bromomethane	ND		89	µg/Kg-dry	1	11/28/2013 10:50 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 10:50 AM
Chloroform	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 10:50 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
m,p-Xylene	ND		71	µg/Kg-dry	1	11/28/2013 10:50 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Styrene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Toluene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/28/2013 10:50 AM
1,2-Dichloroethene, Total	ND		71	µg/Kg-dry	1	11/28/2013 10:50 AM
1,3-Dichloropropene, Total	ND		71	µg/Kg-dry	1	11/28/2013 10:50 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 10:50 AM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	11/28/2013 10:50 AM
Surr: 4-Bromofluorobenzene	97.2		70-130	%REC	1	11/28/2013 10:50 AM
Surr: Dibromofluoromethane	99.7		70-130	%REC	1	11/28/2013 10:50 AM
Surr: Toluene-d8	104		70-130	%REC	1	11/28/2013 10:50 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	15		0.050	% of sample	1	11/28/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-9

Lab ID: 13111254-07

Collection Date: 11/20/2013 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 11/25/2013	Analyst: LR
Mercury	0.24		0.024	mg/Kg-dry	1	12/2/2013 03:27 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	15		2.0	mg/Kg-dry	5	12/12/2013 12:38 AM
Barium	200		2.0	mg/Kg-dry	5	12/12/2013 12:38 AM
Cadmium	1.4		0.80	mg/Kg-dry	5	12/12/2013 12:38 AM
Chromium	26		2.0	mg/Kg-dry	5	12/12/2013 12:38 AM
Lead	63		2.0	mg/Kg-dry	5	12/12/2013 12:38 AM
Selenium	ND		2.0	mg/Kg-dry	5	12/12/2013 12:38 AM
Silver	ND		2.0	mg/Kg-dry	5	12/12/2013 12:38 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Acenaphthylene	6.0		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Anthracene	4.4		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(a)anthracene	32		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(a)pyrene	34		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(b)fluoranthene	49		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(b-k)fluoranthene	70		8.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(e)pyrene	30		12	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(g,h,i)perylene	23		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Benzo(k)fluoranthene	21		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Chrysene	39		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Dibenzo(a,h)anthracene	5.6		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Fluoranthene	49		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Fluorene	ND		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Indeno(1,2,3-cd)pyrene	23		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Naphthalene	4.8		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Phenanthrene	23		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Pyrene	44		4.0	µg/Kg-dry	1	12/2/2013 08:12 PM
Surr: 2-Fluorobiphenyl	72.0		12-100	%REC	1	12/2/2013 08:12 PM
Surr: 4-Terphenyl-d14	87.8		25-137	%REC	1	12/2/2013 08:12 PM
Surr: Nitrobenzene-d5	74.8		37-107	%REC	1	12/2/2013 08:12 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
1,1,2,2-Tetrachloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
1,1,2-Trichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
1,1-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-9

Lab ID: 13111254-07

Collection Date: 11/20/2013 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
1,2-Dichloropropane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
2-Butanone	ND		250	µg/Kg-dry	1	11/28/2013 11:14 AM
2-Hexanone	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
4-Methyl-2-pentanone	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 11:14 AM
Benzene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Bromodichloromethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Bromoform	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Bromomethane	ND		92	µg/Kg-dry	1	11/28/2013 11:14 AM
Carbon disulfide	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Carbon tetrachloride	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Chlorobenzene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 11:14 AM
Chloroform	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 11:14 AM
cis-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
cis-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Dibromochloromethane	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
m,p-Xylene	ND		74	µg/Kg-dry	1	11/28/2013 11:14 AM
Methylene chloride	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
o-Xylene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Styrene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Tetrachloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Toluene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
trans-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
trans-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Trichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
Vinyl chloride	ND		37	µg/Kg-dry	1	11/28/2013 11:14 AM
1,2-Dichloroethene, Total	ND		74	µg/Kg-dry	1	11/28/2013 11:14 AM
1,3-Dichloropropene, Total	ND		74	µg/Kg-dry	1	11/28/2013 11:14 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 11:14 AM
Surr: 1,2-Dichloroethane-d4			70-130	%REC	1	11/28/2013 11:14 AM
Surr: 4-Bromofluorobenzene	96.6		70-130	%REC	1	11/28/2013 11:14 AM
Surr: Dibromofluoromethane	99.6		70-130	%REC	1	11/28/2013 11:14 AM
Surr: Toluene-d8	103		70-130	%REC	1	11/28/2013 11:14 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	19		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-10

Lab ID: 13111254-08

Collection Date: 11/20/2013 02:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.081		0.017	mg/Kg-dry	1	12/4/2013 12:18 PM
<b>METALS BY ICP-MS</b>						
			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	39		2.1	mg/Kg-dry	5	12/12/2013 01:00 AM
Barium	570		2.1	mg/Kg-dry	5	12/12/2013 01:00 AM
Cadmium	1.9		0.82	mg/Kg-dry	5	12/12/2013 01:00 AM
Chromium	44		2.1	mg/Kg-dry	5	12/12/2013 01:00 AM
Lead	82		2.1	mg/Kg-dry	5	12/12/2013 01:00 AM
Selenium	ND		2.1	mg/Kg-dry	5	12/12/2013 01:00 AM
Silver	ND		2.1	mg/Kg-dry	5	12/12/2013 01:00 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Acenaphthylene	ND		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Anthracene	45		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(a)anthracene	300		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(a)pyrene	230		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(b)fluoranthene	380		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(b-k)fluoranthene	450		74	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(e)pyrene	190		110	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(g,h,i)perylene	170		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Benzo(k)fluoranthene	63		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Chrysene	160		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Dibenzo(a,h)anthracene	37		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Fluoranthene	480		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Fluorene	ND		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Indeno(1,2,3-cd)pyrene	140		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Naphthalene	ND		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Phenanthrene	310		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Pyrene	390		37	µg/Kg-dry	10	12/3/2013 12:06 PM
Surr: 2-Fluorobiphenyl	66.0		12-100	%REC	10	12/3/2013 12:06 PM
Surr: 4-Terphenyl-d14	88.0		25-137	%REC	10	12/3/2013 12:06 PM
Surr: Nitrobenzene-d5	52.0		37-107	%REC	10	12/3/2013 12:06 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
1,1,2,2-Tetrachloroethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
1,1,2-Trichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
1,1-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
1,1-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-10

Lab ID: 13111254-08

Collection Date: 11/20/2013 02:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
1,2-Dichloropropane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
2-Butanone	ND		220	µg/Kg-dry	1	11/28/2013 11:38 AM
2-Hexanone	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
4-Methyl-2-pentanone	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Acetone	ND		110	µg/Kg-dry	1	11/28/2013 11:38 AM
Benzene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Bromodichloromethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Bromoform	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Bromomethane	ND		84	µg/Kg-dry	1	11/28/2013 11:38 AM
Carbon disulfide	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Carbon tetrachloride	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Chlorobenzene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Chloroethane	ND		110	µg/Kg-dry	1	11/28/2013 11:38 AM
Chloroform	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Chloromethane	ND		110	µg/Kg-dry	1	11/28/2013 11:38 AM
cis-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
cis-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Dibromochloromethane	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
m,p-Xylene	ND		67	µg/Kg-dry	1	11/28/2013 11:38 AM
Methylene chloride	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
o-Xylene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Styrene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Tetrachloroethene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Toluene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
trans-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
trans-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Trichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
Vinyl chloride	ND		34	µg/Kg-dry	1	11/28/2013 11:38 AM
1,2-Dichloroethene, Total	ND		67	µg/Kg-dry	1	11/28/2013 11:38 AM
1,3-Dichloropropene, Total	ND		67	µg/Kg-dry	1	11/28/2013 11:38 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	11/28/2013 11:38 AM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	11/28/2013 11:38 AM
Surr: 4-Bromofluorobenzene	97.2		70-130	%REC	1	11/28/2013 11:38 AM
Surr: Dibromofluoromethane	99.6		70-130	%REC	1	11/28/2013 11:38 AM
Surr: Toluene-d8	103		70-130	%REC	1	11/28/2013 11:38 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	11		0.050	% of sample	1	11/28/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SS-11  
 Collection Date: 11/19/2013 10:00 AM

Work Order: 13111254  
 Lab ID: 13111254-09  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.028		0.015	mg/Kg-dry	1	12/4/2013 12:20 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	7.7		2.3	mg/Kg-dry	5	12/12/2013 01:11 AM
Barium	160		2.3	mg/Kg-dry	5	12/12/2013 01:11 AM
Cadmium	ND		0.92	mg/Kg-dry	5	12/12/2013 01:11 AM
Chromium	14		2.3	mg/Kg-dry	5	12/12/2013 01:11 AM
Lead	12		2.3	mg/Kg-dry	5	12/12/2013 01:11 AM
Selenium	ND		2.3	mg/Kg-dry	5	12/12/2013 01:11 AM
Silver	ND		2.3	mg/Kg-dry	5	12/12/2013 01:11 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Acenaphthylene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Anthracene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(a)anthracene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(a)pyrene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(b)fluoranthene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(b-k)fluoranthene	ND		7.4	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(e)pyrene	ND		11	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(g,h,i)perylene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Benzo(k)fluoranthene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Chrysene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Dibenzo(a,h)anthracene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Fluoranthene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Fluorene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Indeno(1,2,3-cd)pyrene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Naphthalene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Phenanthrene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Pyrene	ND		3.7	µg/Kg-dry	1	12/2/2013 08:46 PM
Surr: 2-Fluorobiphenyl	61.4		12-100	%REC	1	12/2/2013 08:46 PM
Surr: 4-Terphenyl-d14	96.0		25-137	%REC	1	12/2/2013 08:46 PM
Surr: Nitrobenzene-d5	71.2		37-107	%REC	1	12/2/2013 08:46 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
1,1,2,2-Tetrachloroethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
1,1,2-Trichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
1,1-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
1,1-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-11

Lab ID: 13111254-09

Collection Date: 11/19/2013 10:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
1,2-Dichloropropane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
2-Butanone	ND		220	µg/Kg-dry	1	11/28/2013 07:47 AM
2-Hexanone	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
4-Methyl-2-pentanone	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Acetone	ND		110	µg/Kg-dry	1	11/28/2013 07:47 AM
Benzene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Bromodichloromethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Bromoform	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Bromomethane	ND		84	µg/Kg-dry	1	11/28/2013 07:47 AM
Carbon disulfide	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Carbon tetrachloride	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Chlorobenzene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Chloroethane	ND		110	µg/Kg-dry	1	11/28/2013 07:47 AM
Chloroform	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Chloromethane	ND		110	µg/Kg-dry	1	11/28/2013 07:47 AM
cis-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
cis-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Dibromochloromethane	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
m,p-Xylene	ND		67	µg/Kg-dry	1	11/28/2013 07:47 AM
Methylene chloride	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
o-Xylene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Styrene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Tetrachloroethene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Toluene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
trans-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
trans-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Trichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
Vinyl chloride	ND		34	µg/Kg-dry	1	11/28/2013 07:47 AM
1,2-Dichloroethene, Total	ND		67	µg/Kg-dry	1	11/28/2013 07:47 AM
1,3-Dichloropropene, Total	ND		67	µg/Kg-dry	1	11/28/2013 07:47 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	11/28/2013 07:47 AM
Surr: 1,2-Dichloroethane-d4	95.4		70-130	%REC	1	11/28/2013 07:47 AM
Surr: 4-Bromofluorobenzene	96.8		70-130	%REC	1	11/28/2013 07:47 AM
Surr: Dibromofluoromethane	99.6		70-130	%REC	1	11/28/2013 07:47 AM
Surr: Toluene-d8	99.1		70-130	%REC	1	11/28/2013 07:47 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	11		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SS-12  
 Collection Date: 11/19/2013 11:30 AM

Work Order: 13111254  
 Lab ID: 13111254-10  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.11		0.019	mg/Kg-dry	1	12/4/2013 12:23 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	16		1.9	mg/Kg-dry	5	12/12/2013 01:17 AM
Barium	420		1.9	mg/Kg-dry	5	12/12/2013 01:17 AM
Cadmium	ND		0.74	mg/Kg-dry	5	12/12/2013 01:17 AM
Chromium	17		1.9	mg/Kg-dry	5	12/12/2013 01:17 AM
Lead	54		1.9	mg/Kg-dry	5	12/12/2013 01:17 AM
Selenium	ND		1.9	mg/Kg-dry	5	12/12/2013 01:17 AM
Silver	ND		1.9	mg/Kg-dry	5	12/12/2013 01:17 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	57		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Acenaphthylene	ND		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Anthracene	140		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(a)anthracene	520		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(a)pyrene	310		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(b)fluoranthene	500		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(b-k)fluoranthene	590		76	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(e)pyrene	230		110	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(g,h,i)perylene	170		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Benzo(k)fluoranthene	84		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Chrysene	240		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Dibenzo(a,h)anthracene	46		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Fluoranthene	980		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Fluorene	ND		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Indeno(1,2,3-cd)pyrene	170		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Naphthalene	ND		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Phenanthrene	500		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Pyrene	710		38	µg/Kg-dry	10	12/3/2013 12:39 PM
Surr: 2-Fluorobiphenyl	58.0		12-100	%REC	10	12/3/2013 12:39 PM
Surr: 4-Terphenyl-d14	70.0		25-137	%REC	10	12/3/2013 12:39 PM
Surr: Nitrobenzene-d5	48.0		37-107	%REC	10	12/3/2013 12:39 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-12

Lab ID: 13111254-10

Collection Date: 11/19/2013 11:30 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
2-Butanone	ND		230	µg/Kg-dry	1	11/28/2013 09:24 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 09:24 AM
Benzene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Bromoform	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Bromomethane	ND		87	µg/Kg-dry	1	11/28/2013 09:24 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 09:24 AM
Chloroform	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 09:24 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
m,p-Xylene	ND		70	µg/Kg-dry	1	11/28/2013 09:24 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Styrene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Toluene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/28/2013 09:24 AM
1,2-Dichloroethene, Total	ND		70	µg/Kg-dry	1	11/28/2013 09:24 AM
1,3-Dichloropropene, Total	ND		70	µg/Kg-dry	1	11/28/2013 09:24 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	11/28/2013 09:24 AM
Surr: 1,2-Dichloroethane-d4	98.8		70-130	%REC	1	11/28/2013 09:24 AM
Surr: 4-Bromofluorobenzene	96.4		70-130	%REC	1	11/28/2013 09:24 AM
Surr: Dibromofluoromethane	99.4		70-130	%REC	1	11/28/2013 09:24 AM
Surr: Toluene-d8	98.0		70-130	%REC	1	11/28/2013 09:24 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	14		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-13

Lab ID: 13111254-11

Collection Date: 11/19/2013 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.040		0.016	mg/Kg-dry	1	12/4/2013 12:25 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	29		1.9	mg/Kg-dry	5	12/12/2013 01:28 AM
Barium	420		1.9	mg/Kg-dry	5	12/12/2013 01:28 AM
Cadmium	ND		0.77	mg/Kg-dry	5	12/12/2013 01:28 AM
Chromium	73		1.9	mg/Kg-dry	5	12/12/2013 01:28 AM
Lead	98		1.9	mg/Kg-dry	5	12/12/2013 01:28 AM
Selenium	ND		1.9	mg/Kg-dry	5	12/12/2013 01:28 AM
Silver	ND		1.9	mg/Kg-dry	5	12/12/2013 01:28 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Acenaphthylene	26		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Anthracene	ND		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(a)anthracene	81		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(a)pyrene	66		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(b)fluoranthene	130		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(b-k)fluoranthene	260		37	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(e)pyrene	61		55	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(g,h,i)perylene	48		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Benzo(k)fluoranthene	120		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Chrysene	42		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Dibenzo(a,h)anthracene	ND		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Fluoranthene	66		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Fluorene	ND		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Indeno(1,2,3-cd)pyrene	42		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Naphthalene	ND		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Phenanthrene	ND		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Pyrene	81		18	µg/Kg-dry	5	12/3/2013 02:52 AM
Surr: 2-Fluorobiphenyl	82.0		12-100	%REC	5	12/3/2013 02:52 AM
Surr: 4-Terphenyl-d14	94.0		25-137	%REC	5	12/3/2013 02:52 AM
Surr: Nitrobenzene-d5	69.0		37-107	%REC	5	12/3/2013 02:52 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
1,1,2,2-Tetrachloroethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
1,1,2-Trichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
1,1-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
1,1-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SS-13  
 Collection Date: 11/19/2013 11:00 AM

Work Order: 13111254  
 Lab ID: 13111254-11  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
1,2-Dichloropropane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
2-Butanone	ND		230	µg/Kg-dry	1	11/28/2013 08:35 AM
2-Hexanone	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
4-Methyl-2-pentanone	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Acetone	ND		110	µg/Kg-dry	1	11/28/2013 08:35 AM
Benzene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Bromodichloromethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Bromoform	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Bromomethane	ND		85	µg/Kg-dry	1	11/28/2013 08:35 AM
Carbon disulfide	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Carbon tetrachloride	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Chlorobenzene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Chloroethane	ND		110	µg/Kg-dry	1	11/28/2013 08:35 AM
Chloroform	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Chloromethane	ND		110	µg/Kg-dry	1	11/28/2013 08:35 AM
cis-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
cis-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Dibromochloromethane	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Ethylbenzene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
<b>m,p-Xylene</b>	<b>68</b>		<b>68</b>	<b>µg/Kg-dry</b>	1	11/28/2013 08:35 AM
Methylene chloride	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
o-Xylene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Styrene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Tetrachloroethene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
<b>Toluene</b>	<b>35</b>		<b>34</b>	<b>µg/Kg-dry</b>	1	11/28/2013 08:35 AM
trans-1,2-Dichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
trans-1,3-Dichloropropene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Trichloroethene	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
Vinyl chloride	ND		34	µg/Kg-dry	1	11/28/2013 08:35 AM
1,2-Dichloroethene, Total	ND		68	µg/Kg-dry	1	11/28/2013 08:35 AM
1,3-Dichloropropene, Total	ND		68	µg/Kg-dry	1	11/28/2013 08:35 AM
Xylenes, Total	ND		100	µg/Kg-dry	1	11/28/2013 08:35 AM
Surr: 1,2-Dichloroethane-d4	99.2		70-130	%REC	1	11/28/2013 08:35 AM
Surr: 4-Bromofluorobenzene	96.8		70-130	%REC	1	11/28/2013 08:35 AM
Surr: Dibromofluoromethane	99.9		70-130	%REC	1	11/28/2013 08:35 AM
Surr: Toluene-d8	99.0		70-130	%REC	1	11/28/2013 08:35 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	12		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SS-14  
 Collection Date: 11/20/2013 10:20 AM

Work Order: 13111254  
 Lab ID: 13111254-12  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.24		0.020	mg/Kg-dry	1	12/4/2013 12:35 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	19		2.9	mg/Kg-dry	5	12/12/2013 01:33 AM
Barium	240		2.9	mg/Kg-dry	5	12/12/2013 01:33 AM
Cadmium	ND		1.2	mg/Kg-dry	5	12/12/2013 01:33 AM
Chromium	28		2.9	mg/Kg-dry	5	12/12/2013 01:33 AM
Lead	53		2.9	mg/Kg-dry	5	12/12/2013 01:33 AM
Selenium	ND		2.9	mg/Kg-dry	5	12/12/2013 01:33 AM
Silver	ND		2.9	mg/Kg-dry	5	12/12/2013 01:33 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Acenaphthylene	43		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Anthracene	41		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(a)anthracene	310		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(a)pyrene	220		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(b)fluoranthene	360		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(b-k)fluoranthene	430		48	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(e)pyrene	180		72	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(g,h,i)perylene	130		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Benzo(k)fluoranthene	67		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Chrysene	170		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Dibenzo(a,h)anthracene	34		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Fluoranthene	360		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Fluorene	ND		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Indeno(1,2,3-cd)pyrene	120		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Naphthalene	ND		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Phenanthrene	130		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Pyrene	320		24	µg/Kg-dry	5	12/3/2013 03:26 AM
Surr: 2-Fluorobiphenyl	80.0		12-100	%REC	5	12/3/2013 03:26 AM
Surr: 4-Terphenyl-d14	94.0		25-137	%REC	5	12/3/2013 03:26 AM
Surr: Nitrobenzene-d5	66.0		37-107	%REC	5	12/3/2013 03:26 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
1,1,2,2-Tetrachloroethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
1,1,2-Trichloroethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
1,1-Dichloroethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
1,1-Dichloroethene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-14

Lab ID: 13111254-12

Collection Date: 11/20/2013 10:20 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
1,2-Dichloropropane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
2-Butanone	ND		290	µg/Kg-dry	1	11/28/2013 12:03 PM
2-Hexanone	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
4-Methyl-2-pentanone	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Acetone	ND		150	µg/Kg-dry	1	11/28/2013 12:03 PM
Benzene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Bromodichloromethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Bromoform	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Bromomethane	ND		110	µg/Kg-dry	1	11/28/2013 12:03 PM
Carbon disulfide	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Carbon tetrachloride	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Chlorobenzene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Chloroethane	ND		150	µg/Kg-dry	1	11/28/2013 12:03 PM
Chloroform	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Chloromethane	ND		150	µg/Kg-dry	1	11/28/2013 12:03 PM
cis-1,2-Dichloroethene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
cis-1,3-Dichloropropene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Dibromochloromethane	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Ethylbenzene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
m,p-Xylene	ND		87	µg/Kg-dry	1	11/28/2013 12:03 PM
Methylene chloride	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
o-Xylene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Styrene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Tetrachloroethene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Toluene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
trans-1,2-Dichloroethene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
trans-1,3-Dichloropropene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Trichloroethene	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
Vinyl chloride	ND		44	µg/Kg-dry	1	11/28/2013 12:03 PM
1,2-Dichloroethene, Total	ND		87	µg/Kg-dry	1	11/28/2013 12:03 PM
1,3-Dichloropropene, Total	ND		87	µg/Kg-dry	1	11/28/2013 12:03 PM
Xylenes, Total	ND		130	µg/Kg-dry	1	11/28/2013 12:03 PM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	11/28/2013 12:03 PM
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	11/28/2013 12:03 PM
Surr: Dibromofluoromethane	101		70-130	%REC	1	11/28/2013 12:03 PM
Surr: Toluene-d8	105		70-130	%REC	1	11/28/2013 12:03 PM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	31		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-15

Lab ID: 13111254-13

Collection Date: 11/20/2013 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.38		0.034	mg/Kg-dry	2	12/4/2013 12:45 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 12/11/2013	Analyst: CES
Arsenic	19		2.6	mg/Kg-dry	5	12/12/2013 01:39 AM
Barium	190		2.6	mg/Kg-dry	5	12/12/2013 01:39 AM
Cadmium	3.2		1.0	mg/Kg-dry	5	12/12/2013 01:39 AM
Chromium	57		2.6	mg/Kg-dry	5	12/12/2013 01:39 AM
Lead	130		2.6	mg/Kg-dry	5	12/12/2013 01:39 AM
Selenium	ND		2.6	mg/Kg-dry	5	12/12/2013 01:39 AM
Silver	ND		2.6	mg/Kg-dry	5	12/12/2013 01:39 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Acenaphthylene	ND		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Anthracene	ND		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(a)anthracene	240		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(a)pyrene	160		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(b)fluoranthene	210		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(b-k)fluoranthene	320		88	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(e)pyrene	ND		130	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(g,h,i)perylene	100		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Benzo(k)fluoranthene	110		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Chrysene	120		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Dibenzo(a,h)anthracene	ND		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Fluoranthene	250		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Fluorene	ND		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Indeno(1,2,3-cd)pyrene	100		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Naphthalene	ND		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Phenanthrene	92		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Pyrene	200		44	µg/Kg-dry	10	12/3/2013 10:52 AM
Surr: 2-Fluorobiphenyl	74.0		12-100	%REC	10	12/3/2013 10:52 AM
Surr: 4-Terphenyl-d14	92.0		25-137	%REC	10	12/3/2013 10:52 AM
Surr: Nitrobenzene-d5	58.0		37-107	%REC	10	12/3/2013 10:52 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
1,1,2,2-Tetrachloroethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
1,1,2-Trichloroethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
1,1-Dichloroethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
1,1-Dichloroethene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-15

Lab ID: 13111254-13

Collection Date: 11/20/2013 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
1,2-Dichloropropane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
2-Butanone	ND		270	µg/Kg-dry	1	11/28/2013 12:27 PM
2-Hexanone	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
4-Methyl-2-pentanone	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Acetone	ND		140	µg/Kg-dry	1	11/28/2013 12:27 PM
Benzene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Bromodichloromethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Bromoform	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Bromomethane	ND		100	µg/Kg-dry	1	11/28/2013 12:27 PM
Carbon disulfide	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Carbon tetrachloride	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Chlorobenzene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Chloroethane	ND		140	µg/Kg-dry	1	11/28/2013 12:27 PM
Chloroform	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Chloromethane	ND		140	µg/Kg-dry	1	11/28/2013 12:27 PM
cis-1,2-Dichloroethene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
cis-1,3-Dichloropropene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Dibromochloromethane	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Ethylbenzene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
m,p-Xylene	ND		81	µg/Kg-dry	1	11/28/2013 12:27 PM
Methylene chloride	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
o-Xylene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Styrene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Tetrachloroethene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Toluene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
trans-1,2-Dichloroethene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
trans-1,3-Dichloropropene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Trichloroethene	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
Vinyl chloride	ND		41	µg/Kg-dry	1	11/28/2013 12:27 PM
1,2-Dichloroethene, Total	ND		81	µg/Kg-dry	1	11/28/2013 12:27 PM
1,3-Dichloropropene, Total	ND		81	µg/Kg-dry	1	11/28/2013 12:27 PM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 12:27 PM
Surr: 1,2-Dichloroethane-d4	108		70-130	%REC	1	11/28/2013 12:27 PM
Surr: 4-Bromofluorobenzene	98.2		70-130	%REC	1	11/28/2013 12:27 PM
Surr: Dibromofluoromethane	101		70-130	%REC	1	11/28/2013 12:27 PM
Surr: Toluene-d8	105		70-130	%REC	1	11/28/2013 12:27 PM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	26		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-16

Lab ID: 13111254-14

Collection Date: 11/20/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.23		SW7471 0.017	mg/Kg-dry	1	Prep Date: 12/3/2013 Analyst: LR 12/4/2013 12:47 PM
<b>METALS BY ICP-MS</b>						
Arsenic	12		SW6020A 2.2	mg/Kg-dry	5	Prep Date: 12/11/2013 Analyst: CES 12/12/2013 01:44 AM
Barium	170		2.2	mg/Kg-dry	5	12/12/2013 01:44 AM
Cadmium	1.2		0.87	mg/Kg-dry	5	12/12/2013 01:44 AM
Chromium	25		2.2	mg/Kg-dry	5	12/12/2013 01:44 AM
Lead	36		2.2	mg/Kg-dry	5	12/12/2013 01:44 AM
Selenium	ND		2.2	mg/Kg-dry	5	12/12/2013 01:44 AM
Silver	ND		2.2	mg/Kg-dry	5	12/12/2013 01:44 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 3.9	µg/Kg-dry	1	Prep Date: 12/2/2013 Analyst: HL 12/3/2013 11:25 AM
Acenaphthylene	4.6		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Anthracene	5.0		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(a)anthracene	34		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(a)pyrene	24		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(b)fluoranthene	41		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(b-k)fluoranthene	49		7.7	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(e)pyrene	20		12	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(g,h,i)perylene	17		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Benzo(k)fluoranthene	7.7		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Chrysene	18		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Dibenzo(a,h)anthracene	3.9	J	3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Fluoranthene	39		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Fluorene	ND		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Indeno(1,2,3-cd)pyrene	16		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Naphthalene	4.2		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Phenanthrene	18		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Pyrene	32		3.9	µg/Kg-dry	1	12/3/2013 11:25 AM
Surr: 2-Fluorobiphenyl	72.8		12-100	%REC	1	12/3/2013 11:25 AM
Surr: 4-Terphenyl-d14	91.0		25-137	%REC	1	12/3/2013 11:25 AM
Surr: Nitrobenzene-d5	69.8		37-107	%REC	1	12/3/2013 11:25 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 35	µg/Kg-dry	1	Prep Date: 11/19/2013 Analyst: AK 11/29/2013 12:42 PM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SS-16

Lab ID: 13111254-14

Collection Date: 11/20/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
2-Butanone	ND		230	µg/Kg-dry	1	11/29/2013 12:42 PM
2-Hexanone	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Acetone	ND		120	µg/Kg-dry	1	11/29/2013 12:42 PM
Benzene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Bromoform	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Bromomethane	ND		88	µg/Kg-dry	1	11/29/2013 12:42 PM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Chloroethane	ND		120	µg/Kg-dry	1	11/29/2013 12:42 PM
Chloroform	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Chloromethane	ND		120	µg/Kg-dry	1	11/29/2013 12:42 PM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
m,p-Xylene	ND		70	µg/Kg-dry	1	11/29/2013 12:42 PM
Methylene chloride	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
o-Xylene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Styrene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
<b>Toluene</b>	<b>64</b>		<b>35</b>	<b>µg/Kg-dry</b>	<b>1</b>	<b>11/29/2013 12:42 PM</b>
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Trichloroethene	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/29/2013 12:42 PM
1,2-Dichloroethene, Total	ND		70	µg/Kg-dry	1	11/29/2013 12:42 PM
1,3-Dichloropropene, Total	ND		70	µg/Kg-dry	1	11/29/2013 12:42 PM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/29/2013 12:42 PM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	11/29/2013 12:42 PM
Surr: 4-Bromofluorobenzene	98.2		70-130	%REC	1	11/29/2013 12:42 PM
Surr: Dibromofluoromethane	95.6		70-130	%REC	1	11/29/2013 12:42 PM
Surr: Toluene-d8	106		70-130	%REC	1	11/29/2013 12:42 PM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	15		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-2

Lab ID: 13111254-15

Collection Date: 11/19/2013 01:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.032		0.017	mg/Kg-dry	1	12/4/2013 12:50 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	9.2		2.5	mg/Kg-dry	5	11/27/2013 03:16 AM
Barium	190		2.5	mg/Kg-dry	5	11/27/2013 03:16 AM
Cadmium	ND		0.99	mg/Kg-dry	5	11/27/2013 03:16 AM
Chromium	18		2.5	mg/Kg-dry	5	11/27/2013 03:16 AM
Lead	15		2.5	mg/Kg-dry	5	11/27/2013 03:16 AM
Selenium	ND		2.5	mg/Kg-dry	5	11/27/2013 03:16 AM
Silver	ND		2.5	mg/Kg-dry	5	11/27/2013 03:16 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Acenaphthylene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(a)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(a)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(b)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(b-k)fluoranthene	ND		8.1	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(g,h,i)perylene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Benzo(k)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Chrysene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Dibenzo(a,h)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Fluorene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Indeno(1,2,3-cd)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Naphthalene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Phenanthrene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 11:58 AM
Surr: 2-Fluorobiphenyl	70.4		12-100	%REC	1	12/3/2013 11:58 AM
Surr: 4-Terphenyl-d14	98.4		25-137	%REC	1	12/3/2013 11:58 AM
Surr: Nitrobenzene-d5	68.4		37-107	%REC	1	12/3/2013 11:58 AM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
1,1,2,2-Tetrachloroethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
1,1,2-Trichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-2

Lab ID: 13111254-15

Collection Date: 11/19/2013 01:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
1,2-Dichloropropane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
2-Butanone	ND		250	µg/Kg-dry	1	11/28/2013 10:13 AM
2-Hexanone	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
4-Methyl-2-pentanone	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 10:13 AM
Benzene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Bromodichloromethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Bromoform	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Bromomethane	ND		93	µg/Kg-dry	1	11/28/2013 10:13 AM
Carbon disulfide	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Carbon tetrachloride	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Chlorobenzene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 10:13 AM
Chloroform	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 10:13 AM
cis-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
cis-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Dibromochloromethane	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
m,p-Xylene	ND		74	µg/Kg-dry	1	11/28/2013 10:13 AM
Methylene chloride	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
o-Xylene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Styrene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Tetrachloroethene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Toluene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
trans-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
trans-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Trichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
Vinyl chloride	ND		37	µg/Kg-dry	1	11/28/2013 10:13 AM
1,2-Dichloroethene, Total	ND		74	µg/Kg-dry	1	11/28/2013 10:13 AM
1,3-Dichloropropene, Total	ND		74	µg/Kg-dry	1	11/28/2013 10:13 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 10:13 AM
Surr: 1,2-Dichloroethane-d4	97.0		70-130	%REC	1	11/28/2013 10:13 AM
Surr: 4-Bromofluorobenzene	96.1		70-130	%REC	1	11/28/2013 10:13 AM
Surr: Dibromofluoromethane	98.7		70-130	%REC	1	11/28/2013 10:13 AM
Surr: Toluene-d8	99.5		70-130	%REC	1	11/28/2013 10:13 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	19		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SB-3  
 Collection Date: 11/20/2013 09:30 AM

Work Order: 13111254  
 Lab ID: 13111254-16  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.42		0.037	mg/Kg-dry	2	12/4/2013 04:41 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	26		3.1	mg/Kg-dry	5	11/27/2013 03:22 AM
Barium	180		3.1	mg/Kg-dry	5	11/27/2013 03:22 AM
Cadmium	6.4		1.3	mg/Kg-dry	5	11/27/2013 03:22 AM
Chromium	94		3.1	mg/Kg-dry	5	11/27/2013 03:22 AM
Lead	200		3.1	mg/Kg-dry	5	11/27/2013 03:22 AM
Selenium	3.6		3.1	mg/Kg-dry	5	11/27/2013 03:22 AM
Silver	ND		3.1	mg/Kg-dry	5	11/27/2013 03:22 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Acenaphthylene	ND		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Anthracene	ND		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(a)anthracene	120		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(a)pyrene	79		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(b)fluoranthene	120		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(b-k)fluoranthene	160		51	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(e)pyrene	ND		76	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(g,h,i)perylene	41		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Benzo(k)fluoranthene	36		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Chrysene	89		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Dibenzo(a,h)anthracene	ND		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Fluoranthene	160		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Fluorene	ND		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Indeno(1,2,3-cd)pyrene	43		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Naphthalene	25		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Phenanthrene	97		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Pyrene	130		25	µg/Kg-dry	5	12/3/2013 06:05 PM
Surr: 2-Fluorobiphenyl	68.0		12-100	%REC	5	12/3/2013 06:05 PM
Surr: 4-Terphenyl-d14	88.0		25-137	%REC	5	12/3/2013 06:05 PM
Surr: Nitrobenzene-d5	69.0		37-107	%REC	5	12/3/2013 06:05 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
1,1,2,2-Tetrachloroethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
1,1,2-Trichloroethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
1,1-Dichloroethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
1,1-Dichloroethene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SB-3  
 Collection Date: 11/20/2013 09:30 AM

Work Order: 13111254  
 Lab ID: 13111254-16  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
1,2-Dichloropropane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
2-Butanone	ND		310	µg/Kg-dry	1	11/28/2013 09:38 AM
2-Hexanone	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
4-Methyl-2-pentanone	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Acetone	ND		160	µg/Kg-dry	1	11/28/2013 09:38 AM
Benzene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Bromodichloromethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Bromoform	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Bromomethane	ND		120	µg/Kg-dry	1	11/28/2013 09:38 AM
Carbon disulfide	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Carbon tetrachloride	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Chlorobenzene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Chloroethane	ND		160	µg/Kg-dry	1	11/28/2013 09:38 AM
Chloroform	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Chloromethane	ND		160	µg/Kg-dry	1	11/28/2013 09:38 AM
cis-1,2-Dichloroethene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
cis-1,3-Dichloropropene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Dibromochloromethane	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Ethylbenzene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
<b>m,p-Xylene</b>	<b>110</b>		<b>93</b>	<b>µg/Kg-dry</b>	1	11/28/2013 09:38 AM
Methylene chloride	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
<b>o-Xylene</b>	<b>76</b>		<b>47</b>	<b>µg/Kg-dry</b>	1	11/28/2013 09:38 AM
Styrene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Tetrachloroethene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Toluene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
trans-1,2-Dichloroethene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
trans-1,3-Dichloropropene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Trichloroethene	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
Vinyl chloride	ND		47	µg/Kg-dry	1	11/28/2013 09:38 AM
1,2-Dichloroethene, Total	ND		93	µg/Kg-dry	1	11/28/2013 09:38 AM
1,3-Dichloropropene, Total	ND		93	µg/Kg-dry	1	11/28/2013 09:38 AM
<b>Xylenes, Total</b>	<b>180</b>		<b>140</b>	<b>µg/Kg-dry</b>	1	11/28/2013 09:38 AM
Surr: 1,2-Dichloroethane-d4	105		70-130	%REC	1	11/28/2013 09:38 AM
Surr: 4-Bromofluorobenzene	99.0		70-130	%REC	1	11/28/2013 09:38 AM
Surr: Dibromofluoromethane	98.0		70-130	%REC	1	11/28/2013 09:38 AM
Surr: Toluene-d8	104		70-130	%REC	1	11/28/2013 09:38 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	36		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-4

Lab ID: 13111254-17

Collection Date: 11/19/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.037		0.018	mg/Kg-dry	1	12/4/2013 12:55 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	13		2.5	mg/Kg-dry	5	11/27/2013 03:47 AM
Barium	220		2.5	mg/Kg-dry	5	11/27/2013 03:47 AM
Cadmium	ND		1.0	mg/Kg-dry	5	11/27/2013 03:47 AM
Chromium	27		2.5	mg/Kg-dry	5	11/27/2013 03:47 AM
Lead	24		2.5	mg/Kg-dry	5	11/27/2013 03:47 AM
Selenium	ND		2.5	mg/Kg-dry	5	11/27/2013 03:47 AM
Silver	ND		2.5	mg/Kg-dry	5	11/27/2013 03:47 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Acenaphthylene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Anthracene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(a)anthracene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(a)pyrene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(b)fluoranthene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(b-k)fluoranthene	ND		8.9	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(e)pyrene	ND		13	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(g,h,i)perylene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Benzo(k)fluoranthene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Chrysene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Dibenzo(a,h)anthracene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Fluoranthene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Fluorene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Indeno(1,2,3-cd)pyrene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Naphthalene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Phenanthrene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Pyrene	ND		4.4	µg/Kg-dry	1	12/3/2013 12:32 PM
Surr: 2-Fluorobiphenyl	70.6		12-100	%REC	1	12/3/2013 12:32 PM
Surr: 4-Terphenyl-d14	96.4		25-137	%REC	1	12/3/2013 12:32 PM
Surr: Nitrobenzene-d5	71.2		37-107	%REC	1	12/3/2013 12:32 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
1,1,2,2-Tetrachloroethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
1,1,2-Trichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
1,1-Dichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
1,1-Dichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-4

Lab ID: 13111254-17

Collection Date: 11/19/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
1,2-Dichloropropane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
2-Butanone	ND		270	µg/Kg-dry	1	11/28/2013 11:50 AM
2-Hexanone	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
4-Methyl-2-pentanone	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 11:50 AM
Benzene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Bromodichloromethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Bromoform	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Bromomethane	ND		100	µg/Kg-dry	1	11/28/2013 11:50 AM
Carbon disulfide	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Carbon tetrachloride	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Chlorobenzene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 11:50 AM
Chloroform	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 11:50 AM
cis-1,2-Dichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
cis-1,3-Dichloropropene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Dibromochloromethane	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Ethylbenzene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
m,p-Xylene	ND		80	µg/Kg-dry	1	11/28/2013 11:50 AM
Methylene chloride	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
o-Xylene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Styrene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Tetrachloroethene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Toluene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
trans-1,2-Dichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
trans-1,3-Dichloropropene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Trichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
Vinyl chloride	ND		40	µg/Kg-dry	1	11/28/2013 11:50 AM
1,2-Dichloroethene, Total	ND		80	µg/Kg-dry	1	11/28/2013 11:50 AM
1,3-Dichloropropene, Total	ND		80	µg/Kg-dry	1	11/28/2013 11:50 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 11:50 AM
<i>Surr: 1,2-Dichloroethane-d4</i>	97.4		70-130	%REC	1	11/28/2013 11:50 AM
<i>Surr: 4-Bromofluorobenzene</i>	96.3		70-130	%REC	1	11/28/2013 11:50 AM
<i>Surr: Dibromofluoromethane</i>	98.4		70-130	%REC	1	11/28/2013 11:50 AM
<i>Surr: Toluene-d8</i>	97.9		70-130	%REC	1	11/28/2013 11:50 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	25		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-5

Lab ID: 13111254-18

Collection Date: 11/19/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.034		SW7471 0.018	mg/Kg-dry	Prep Date: 12/3/2013 1	Analyst: LR 12/4/2013 12:57 PM
<b>METALS BY ICP-MS</b>						
Arsenic	10		SW6020A 2.2	mg/Kg-dry	Prep Date: 11/26/2013 5	Analyst: ML 11/27/2013 03:53 AM
Barium	150		2.2	mg/Kg-dry	5	11/27/2013 03:53 AM
Cadmium	ND		0.89	mg/Kg-dry	5	11/27/2013 03:53 AM
Chromium	18		2.2	mg/Kg-dry	5	11/27/2013 03:53 AM
Lead	17		2.2	mg/Kg-dry	5	11/27/2013 03:53 AM
Selenium	ND		2.2	mg/Kg-dry	5	11/27/2013 03:53 AM
Silver	ND		2.2	mg/Kg-dry	5	11/27/2013 03:53 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 4.0	µg/Kg-dry	Prep Date: 12/2/2013 1	Analyst: HL 12/3/2013 01:05 PM
Acenaphthylene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(a)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(a)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(b)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(b-k)fluoranthene	ND		6.1	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(g,h,i)perylene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Benzo(k)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Chrysene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Dibenzo(a,h)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Fluorene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Indeno(1,2,3-cd)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Naphthalene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Phenanthrene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 01:05 PM
Surr: 2-Fluorobiphenyl	71.6		12-100	%REC	1	12/3/2013 01:05 PM
Surr: 4-Terphenyl-d14	99.4		25-137	%REC	1	12/3/2013 01:05 PM
Surr: Nitrobenzene-d5	73.8		37-107	%REC	1	12/3/2013 01:05 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 37	µg/Kg-dry	Prep Date: 11/19/2013 1	Analyst: CW 11/28/2013 11:01 AM
1,1,2,2-Tetrachloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
1,1,2-Trichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
1,1-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-5

Lab ID: 13111254-18

Collection Date: 11/19/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
1,2-Dichloropropane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
2-Butanone	ND		250	µg/Kg-dry	1	11/28/2013 11:01 AM
2-Hexanone	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
4-Methyl-2-pentanone	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 11:01 AM
Benzene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Bromodichloromethane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Bromoform	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Bromomethane	ND		93	µg/Kg-dry	1	11/28/2013 11:01 AM
Carbon disulfide	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Carbon tetrachloride	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Chlorobenzene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 11:01 AM
Chloroform	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 11:01 AM
cis-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
cis-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Dibromochloromethane	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
m,p-Xylene	ND		75	µg/Kg-dry	1	11/28/2013 11:01 AM
Methylene chloride	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
o-Xylene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Styrene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Tetrachloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Toluene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
trans-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
trans-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Trichloroethene	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
Vinyl chloride	ND		37	µg/Kg-dry	1	11/28/2013 11:01 AM
1,2-Dichloroethene, Total	ND		75	µg/Kg-dry	1	11/28/2013 11:01 AM
1,3-Dichloropropene, Total	ND		75	µg/Kg-dry	1	11/28/2013 11:01 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 11:01 AM
Surr: 1,2-Dichloroethane-d4	98.0		70-130	%REC	1	11/28/2013 11:01 AM
Surr: 4-Bromofluorobenzene	96.2		70-130	%REC	1	11/28/2013 11:01 AM
Surr: Dibromofluoromethane	97.6		70-130	%REC	1	11/28/2013 11:01 AM
Surr: Toluene-d8	99.8		70-130	%REC	1	11/28/2013 11:01 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	19		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-6

Lab ID: 13111254-19

Collection Date: 11/20/2013 03:35 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.041		SW7471 0.019	mg/Kg-dry	Prep Date: 12/3/2013 1	Analyst: LR 12/4/2013 01:00 PM
<b>METALS BY ICP-MS</b>						
Arsenic	9.6		SW6020A 2.5	mg/Kg-dry	Prep Date: 11/26/2013 5	Analyst: ML 11/27/2013 03:59 AM
Barium	230		2.5	mg/Kg-dry	5	11/27/2013 03:59 AM
Cadmium	ND		1.0	mg/Kg-dry	5	11/27/2013 03:59 AM
Chromium	22		2.5	mg/Kg-dry	5	11/27/2013 03:59 AM
Lead	21		2.5	mg/Kg-dry	5	11/27/2013 03:59 AM
Selenium	ND		2.5	mg/Kg-dry	5	11/27/2013 03:59 AM
Silver	ND		2.5	mg/Kg-dry	5	11/27/2013 03:59 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 4.3	µg/Kg-dry	Prep Date: 12/2/2013 1	Analyst: HL 12/3/2013 01:38 PM
Acenaphthylene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(a)anthracene	5.6		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(a)pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(b)fluoranthene	4.7		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(b-k)fluoranthene	ND		8.6	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(e)pyrene	ND		13	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(g,h,i)perylene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Benzo(k)fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Chrysene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Dibenzo(a,h)anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Fluoranthene	4.7		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Fluorene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Indeno(1,2,3-cd)pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Naphthalene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Phenanthrene	ND		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Pyrene	4.7		4.3	µg/Kg-dry	1	12/3/2013 01:38 PM
Surr: 2-Fluorobiphenyl	69.6		12-100	%REC	1	12/3/2013 01:38 PM
Surr: 4-Terphenyl-d14	102		25-137	%REC	1	12/3/2013 01:38 PM
Surr: Nitrobenzene-d5	69.8		37-107	%REC	1	12/3/2013 01:38 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 40	µg/Kg-dry	Prep Date: 11/19/2013 1	Analyst: AK 11/30/2013 03:42 AM
1,1,2,2-Tetrachloroethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
1,1,2-Trichloroethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
1,1-Dichloroethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
1,1-Dichloroethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-6

Lab ID: 13111254-19

Collection Date: 11/20/2013 03:35 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
1,2-Dichloropropane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
2-Butanone	ND		270	µg/Kg-dry	1	11/30/2013 03:42 AM
2-Hexanone	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
4-Methyl-2-pentanone	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Acetone	ND		130	µg/Kg-dry	1	11/30/2013 03:42 AM
Benzene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Bromodichloromethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Bromoform	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Bromomethane	ND		100	µg/Kg-dry	1	11/30/2013 03:42 AM
Carbon disulfide	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Carbon tetrachloride	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Chlorobenzene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/30/2013 03:42 AM
Chloroform	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/30/2013 03:42 AM
cis-1,2-Dichloroethene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
cis-1,3-Dichloropropene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Dibromochloromethane	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Ethylbenzene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
m,p-Xylene	ND		80	µg/Kg-dry	1	11/30/2013 03:42 AM
Methylene chloride	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
o-Xylene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Styrene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Tetrachloroethene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Toluene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
trans-1,2-Dichloroethene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
trans-1,3-Dichloropropene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Trichloroethene	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
Vinyl chloride	ND		40	µg/Kg-dry	1	11/30/2013 03:42 AM
1,2-Dichloroethene, Total	ND		80	µg/Kg-dry	1	11/30/2013 03:42 AM
1,3-Dichloropropene, Total	ND		80	µg/Kg-dry	1	11/30/2013 03:42 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/30/2013 03:42 AM
Surr: 1,2-Dichloroethane-d4	106		70-130	%REC	1	11/30/2013 03:42 AM
Surr: 4-Bromofluorobenzene	95.0		70-130	%REC	1	11/30/2013 03:42 AM
Surr: Dibromofluoromethane	95.0		70-130	%REC	1	11/30/2013 03:42 AM
Surr: Toluene-d8	102		70-130	%REC	1	11/30/2013 03:42 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	25		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-7

Lab ID: 13111254-20

Collection Date: 11/19/2013 04:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.039		SW7471 0.019	mg/Kg-dry	Prep Date: 12/3/2013 1	Analyst: LR 12/4/2013 01:02 PM
<b>METALS BY ICP-MS</b>						
Arsenic	14		SW6020A 2.4	mg/Kg-dry	Prep Date: 11/26/2013 5	Analyst: ML 11/27/2013 04:05 AM
Barium	320		2.4	mg/Kg-dry	5	11/27/2013 04:05 AM
Cadmium	1.0		0.95	mg/Kg-dry	5	11/27/2013 04:05 AM
Chromium	25		2.4	mg/Kg-dry	5	11/27/2013 04:05 AM
Lead	42		2.4	mg/Kg-dry	5	11/27/2013 04:05 AM
Selenium	ND		2.4	mg/Kg-dry	5	11/27/2013 04:05 AM
Silver	ND		2.4	mg/Kg-dry	5	11/27/2013 04:05 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 4.2	µg/Kg-dry	Prep Date: 12/2/2013 1	Analyst: HL 12/3/2013 02:11 PM
Acenaphthylene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Anthracene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(a)anthracene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(a)pyrene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(b)fluoranthene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(b-k)fluoranthene	ND		8.3	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(g,h,i)perylene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Benzo(k)fluoranthene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Chrysene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Dibenzo(a,h)anthracene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Fluoranthene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Fluorene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Indeno(1,2,3-cd)pyrene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Naphthalene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Phenanthrene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Pyrene	ND		4.2	µg/Kg-dry	1	12/3/2013 02:11 PM
Surr: 2-Fluorobiphenyl	66.8		12-100	%REC	1	12/3/2013 02:11 PM
Surr: 4-Terphenyl-d14	104		25-137	%REC	1	12/3/2013 02:11 PM
Surr: Nitrobenzene-d5	68.2		37-107	%REC	1	12/3/2013 02:11 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 38	µg/Kg-dry	Prep Date: 11/19/2013 1	Analyst: AK 11/28/2013 10:26 AM
1,1,2,2-Tetrachloroethane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
1,1,2-Trichloroethane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
1,1-Dichloroethane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
1,1-Dichloroethene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-7

Lab ID: 13111254-20

Collection Date: 11/19/2013 04:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
1,2-Dichloropropane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
2-Butanone	ND		250	µg/Kg-dry	1	11/28/2013 10:26 AM
2-Hexanone	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
4-Methyl-2-pentanone	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 10:26 AM
Benzene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Bromodichloromethane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Bromoform	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Bromomethane	ND		95	µg/Kg-dry	1	11/28/2013 10:26 AM
Carbon disulfide	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Carbon tetrachloride	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Chlorobenzene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 10:26 AM
Chloroform	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 10:26 AM
cis-1,2-Dichloroethene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
cis-1,3-Dichloropropene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Dibromochloromethane	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Ethylbenzene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
m,p-Xylene	ND		76	µg/Kg-dry	1	11/28/2013 10:26 AM
Methylene chloride	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
o-Xylene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Styrene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Tetrachloroethene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Toluene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
trans-1,2-Dichloroethene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
trans-1,3-Dichloropropene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Trichloroethene	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
Vinyl chloride	ND		38	µg/Kg-dry	1	11/28/2013 10:26 AM
1,2-Dichloroethene, Total	ND		76	µg/Kg-dry	1	11/28/2013 10:26 AM
1,3-Dichloropropene, Total	ND		76	µg/Kg-dry	1	11/28/2013 10:26 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 10:26 AM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	11/28/2013 10:26 AM
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC	1	11/28/2013 10:26 AM
Surr: Dibromofluoromethane	100		70-130	%REC	1	11/28/2013 10:26 AM
Surr: Toluene-d8	103		70-130	%REC	1	11/28/2013 10:26 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	21		0.050	% of sample	1	11/26/2013 12:25 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-8

Lab ID: 13111254-21

Collection Date: 11/20/2013 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.025		0.018	mg/Kg-dry	1	12/4/2013 01:05 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	9.8		2.3	mg/Kg-dry	5	11/27/2013 04:11 AM
Barium	110		2.3	mg/Kg-dry	5	11/27/2013 04:11 AM
Cadmium	ND		0.91	mg/Kg-dry	5	11/27/2013 04:11 AM
Chromium	16		2.3	mg/Kg-dry	5	11/27/2013 04:11 AM
Lead	14		2.3	mg/Kg-dry	5	11/27/2013 04:11 AM
Selenium	ND		2.3	mg/Kg-dry	5	11/27/2013 04:11 AM
Silver	ND		2.3	mg/Kg-dry	5	11/27/2013 04:11 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Acenaphthylene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(a)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(a)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(b)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(b-k)fluoranthene	ND		8.1	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(g,h,i)perylene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Benzo(k)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Chrysene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Dibenzo(a,h)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Fluorene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Indeno(1,2,3-cd)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Naphthalene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Phenanthrene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 02:45 PM
Surr: 2-Fluorobiphenyl	74.2		12-100	%REC	1	12/3/2013 02:45 PM
Surr: 4-Terphenyl-d14	93.2		25-137	%REC	1	12/3/2013 02:45 PM
Surr: Nitrobenzene-d5	72.6		37-107	%REC	1	12/3/2013 02:45 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
1,1,2,2-Tetrachloroethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
1,1,2-Trichloroethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
1,1-Dichloroethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SB-8  
 Collection Date: 11/20/2013 02:00 PM

Work Order: 13111254  
 Lab ID: 13111254-21  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
1,2-Dichloropropane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
2-Butanone	ND		250	µg/Kg-dry	1	11/30/2013 02:29 AM
2-Hexanone	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
4-Methyl-2-pentanone	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Acetone	ND		120	µg/Kg-dry	1	11/30/2013 02:29 AM
Benzene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Bromodichloromethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Bromoform	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Bromomethane	ND		93	µg/Kg-dry	1	11/30/2013 02:29 AM
Carbon disulfide	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Carbon tetrachloride	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Chlorobenzene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/30/2013 02:29 AM
Chloroform	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/30/2013 02:29 AM
cis-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
cis-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Dibromochloromethane	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Ethylbenzene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
m,p-Xylene	ND		75	µg/Kg-dry	1	11/30/2013 02:29 AM
Methylene chloride	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
o-Xylene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Styrene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Tetrachloroethene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Toluene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
trans-1,2-Dichloroethene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
trans-1,3-Dichloropropene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Trichloroethene	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
Vinyl chloride	ND		37	µg/Kg-dry	1	11/30/2013 02:29 AM
1,2-Dichloroethene, Total	ND		75	µg/Kg-dry	1	11/30/2013 02:29 AM
1,3-Dichloropropene, Total	ND		75	µg/Kg-dry	1	11/30/2013 02:29 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/30/2013 02:29 AM
Surr: 1,2-Dichloroethane-d4	96.8		70-130	%REC	1	11/30/2013 02:29 AM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	11/30/2013 02:29 AM
Surr: Dibromofluoromethane	104		70-130	%REC	1	11/30/2013 02:29 AM
Surr: Toluene-d8	101		70-130	%REC	1	11/30/2013 02:29 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	20		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-9

Lab ID: 13111254-22

Collection Date: 11/20/2013 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.28		SW7471 0.020	mg/Kg-dry	Prep Date: 12/3/2013 1	Analyst: LR 12/4/2013 01:15 PM
<b>METALS BY ICP-MS</b>						
Arsenic	4.0		SW6020A 2.6	mg/Kg-dry	Prep Date: 11/26/2013 5	Analyst: ML 11/27/2013 04:17 AM
Barium	1,700		26	mg/Kg-dry	50	11/27/2013 03:13 PM
Cadmium	6.3		1.1	mg/Kg-dry	5	11/27/2013 04:17 AM
Chromium	9.3		2.6	mg/Kg-dry	5	11/27/2013 04:17 AM
Lead	280		2.6	mg/Kg-dry	5	11/27/2013 04:17 AM
Selenium	ND		2.6	mg/Kg-dry	5	11/27/2013 04:17 AM
Silver	ND		2.6	mg/Kg-dry	5	11/27/2013 04:17 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 22	µg/Kg-dry	Prep Date: 12/2/2013 5	Analyst: HL 12/3/2013 06:38 PM
Acenaphthylene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Anthracene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(a)anthracene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(a)pyrene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(b)fluoranthene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(b-k)fluoranthene	ND		44	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(e)pyrene	ND		66	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(g,h,i)perylene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Benzo(k)fluoranthene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Chrysene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Dibenzo(a,h)anthracene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Fluoranthene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Fluorene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Indeno(1,2,3-cd)pyrene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Naphthalene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Phenanthrene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Pyrene	ND		22	µg/Kg-dry	5	12/3/2013 06:38 PM
Surr: 2-Fluorobiphenyl	36.0		12-100	%REC	5	12/3/2013 06:38 PM
Surr: 4-Terphenyl-d14	42.0		25-137	%REC	5	12/3/2013 06:38 PM
Surr: Nitrobenzene-d5	27.0	S	37-107	%REC	5	12/3/2013 06:38 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 39	µg/Kg-dry	Prep Date: 11/19/2013 1	Analyst: AK 11/28/2013 08:49 AM
1,1,2,2-Tetrachloroethane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
1,1,2-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
1,1-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
1,1-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-9

Lab ID: 13111254-22

Collection Date: 11/20/2013 12:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
1,2-Dichloropropane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
2-Butanone	ND		260	µg/Kg-dry	1	11/28/2013 08:49 AM
2-Hexanone	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
4-Methyl-2-pentanone	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 08:49 AM
Benzene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Bromodichloromethane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Bromoform	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Bromomethane	ND		99	µg/Kg-dry	1	11/28/2013 08:49 AM
Carbon disulfide	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Carbon tetrachloride	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Chlorobenzene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 08:49 AM
Chloroform	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 08:49 AM
cis-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
cis-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Dibromochloromethane	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Ethylbenzene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
m,p-Xylene	ND		79	µg/Kg-dry	1	11/28/2013 08:49 AM
Methylene chloride	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
o-Xylene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Styrene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Tetrachloroethene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Toluene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
trans-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
trans-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Trichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
Vinyl chloride	ND		39	µg/Kg-dry	1	11/28/2013 08:49 AM
1,2-Dichloroethene, Total	ND		79	µg/Kg-dry	1	11/28/2013 08:49 AM
1,3-Dichloropropene, Total	ND		79	µg/Kg-dry	1	11/28/2013 08:49 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 08:49 AM
Surr: 1,2-Dichloroethane-d4	103		70-130	%REC	1	11/28/2013 08:49 AM
Surr: 4-Bromofluorobenzene	96.6		70-130	%REC	1	11/28/2013 08:49 AM
Surr: Dibromofluoromethane	100		70-130	%REC	1	11/28/2013 08:49 AM
Surr: Toluene-d8	104		70-130	%REC	1	11/28/2013 08:49 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	24		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-10

Lab ID: 13111254-23

Collection Date: 11/20/2013 02:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.035		0.014	mg/Kg-dry	1	12/4/2013 01:17 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	9.2		2.4	mg/Kg-dry	5	11/27/2013 04:23 AM
Barium	150		2.4	mg/Kg-dry	5	11/27/2013 04:23 AM
Cadmium	ND		0.96	mg/Kg-dry	5	11/27/2013 04:23 AM
Chromium	17		2.4	mg/Kg-dry	5	11/27/2013 04:23 AM
Lead	17		2.4	mg/Kg-dry	5	11/27/2013 04:23 AM
Selenium	ND		2.4	mg/Kg-dry	5	11/27/2013 04:23 AM
Silver	ND		2.4	mg/Kg-dry	5	11/27/2013 04:23 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Acenaphthylene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Anthracene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(a)anthracene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(a)pyrene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(b)fluoranthene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(b-k)fluoranthene	ND		7.6	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(e)pyrene	ND		11	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(g,h,i)perylene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Benzo(k)fluoranthene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Chrysene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Dibenzo(a,h)anthracene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Fluoranthene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Fluorene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Indeno(1,2,3-cd)pyrene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Naphthalene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Phenanthrene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Pyrene	ND		3.8	µg/Kg-dry	1	12/3/2013 03:18 PM
Surr: 2-Fluorobiphenyl	75.6		12-100	%REC	1	12/3/2013 03:18 PM
Surr: 4-Terphenyl-d14	107		25-137	%REC	1	12/3/2013 03:18 PM
Surr: Nitrobenzene-d5	74.2		37-107	%REC	1	12/3/2013 03:18 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
1,1,2,2-Tetrachloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
1,1,2-Trichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
1,1-Dichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
1,1-Dichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SB-10  
 Collection Date: 11/20/2013 02:30 PM

Work Order: 13111254  
 Lab ID: 13111254-23  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
1,2-Dichloropropane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
2-Butanone	ND		230	µg/Kg-dry	1	11/30/2013 02:53 AM
2-Hexanone	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
4-Methyl-2-pentanone	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Acetone	ND		120	µg/Kg-dry	1	11/30/2013 02:53 AM
Benzene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Bromodichloromethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Bromoform	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Bromomethane	ND		88	µg/Kg-dry	1	11/30/2013 02:53 AM
Carbon disulfide	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Carbon tetrachloride	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Chlorobenzene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/30/2013 02:53 AM
Chloroform	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/30/2013 02:53 AM
cis-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
cis-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Dibromochloromethane	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Ethylbenzene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
m,p-Xylene	ND		70	µg/Kg-dry	1	11/30/2013 02:53 AM
Methylene chloride	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
o-Xylene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Styrene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Tetrachloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Toluene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
trans-1,2-Dichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
trans-1,3-Dichloropropene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Trichloroethene	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
Vinyl chloride	ND		35	µg/Kg-dry	1	11/30/2013 02:53 AM
1,2-Dichloroethene, Total	ND		70	µg/Kg-dry	1	11/30/2013 02:53 AM
1,3-Dichloropropene, Total	ND		70	µg/Kg-dry	1	11/30/2013 02:53 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/30/2013 02:53 AM
Surr: 1,2-Dichloroethane-d4	106		70-130	%REC	1	11/30/2013 02:53 AM
Surr: 4-Bromofluorobenzene	102		70-130	%REC	1	11/30/2013 02:53 AM
Surr: Dibromofluoromethane	97.6		70-130	%REC	1	11/30/2013 02:53 AM
Surr: Toluene-d8	107		70-130	%REC	1	11/30/2013 02:53 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	15		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-11

Lab ID: 13111254-24

Collection Date: 11/19/2013 10:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.029		0.016	mg/Kg-dry	1	12/4/2013 01:20 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	8.8		2.3	mg/Kg-dry	5	11/27/2013 04:30 AM
Barium	130		2.3	mg/Kg-dry	5	11/27/2013 04:30 AM
Cadmium	ND		0.91	mg/Kg-dry	5	11/27/2013 04:30 AM
Chromium	15		2.3	mg/Kg-dry	5	11/27/2013 04:30 AM
Lead	15		2.3	mg/Kg-dry	5	11/27/2013 04:30 AM
Selenium	ND		2.3	mg/Kg-dry	5	11/27/2013 04:30 AM
Silver	ND		2.3	mg/Kg-dry	5	11/27/2013 04:30 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Acenaphthylene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(a)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(a)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(b)fluoranthene	4.8		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(b-k)fluoranthene	ND		7.9	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(e)pyrene	ND		12	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(g,h,i)perylene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Benzo(k)fluoranthene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Chrysene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Dibenzo(a,h)anthracene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Fluoranthene	6.0		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Fluorene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Indeno(1,2,3-cd)pyrene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Naphthalene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Phenanthrene	ND		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Pyrene	4.4		4.0	µg/Kg-dry	1	12/3/2013 03:51 PM
Surr: 2-Fluorobiphenyl	66.8		12-100	%REC	1	12/3/2013 03:51 PM
Surr: 4-Terphenyl-d14	97.4		25-137	%REC	1	12/3/2013 03:51 PM
Surr: Nitrobenzene-d5	63.6		37-107	%REC	1	12/3/2013 03:51 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: CW
1,1,1-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
1,1,2,2-Tetrachloroethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
1,1,2-Trichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
1,1-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
1,1-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-11

Lab ID: 13111254-24

Collection Date: 11/19/2013 10:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
1,2-Dichloropropane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
2-Butanone	ND		240	µg/Kg-dry	1	11/28/2013 08:11 AM
2-Hexanone	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
4-Methyl-2-pentanone	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Acetone	ND		120	µg/Kg-dry	1	11/28/2013 08:11 AM
Benzene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Bromodichloromethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Bromoform	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Bromomethane	ND		90	µg/Kg-dry	1	11/28/2013 08:11 AM
Carbon disulfide	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Carbon tetrachloride	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Chlorobenzene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Chloroethane	ND		120	µg/Kg-dry	1	11/28/2013 08:11 AM
Chloroform	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Chloromethane	ND		120	µg/Kg-dry	1	11/28/2013 08:11 AM
cis-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
cis-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Dibromochloromethane	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Ethylbenzene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
m,p-Xylene	ND		72	µg/Kg-dry	1	11/28/2013 08:11 AM
Methylene chloride	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
o-Xylene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Styrene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Tetrachloroethene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Toluene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
trans-1,2-Dichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
trans-1,3-Dichloropropene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Trichloroethene	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
Vinyl chloride	ND		36	µg/Kg-dry	1	11/28/2013 08:11 AM
1,2-Dichloroethene, Total	ND		72	µg/Kg-dry	1	11/28/2013 08:11 AM
1,3-Dichloropropene, Total	ND		72	µg/Kg-dry	1	11/28/2013 08:11 AM
Xylenes, Total	ND		110	µg/Kg-dry	1	11/28/2013 08:11 AM
Surr: 1,2-Dichloroethane-d4	97.3		70-130	%REC	1	11/28/2013 08:11 AM
Surr: 4-Bromofluorobenzene	97.6		70-130	%REC	1	11/28/2013 08:11 AM
Surr: Dibromofluoromethane	99.3		70-130	%REC	1	11/28/2013 08:11 AM
Surr: Toluene-d8	99.8		70-130	%REC	1	11/28/2013 08:11 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	17		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-13

Lab ID: 13111254-25

Collection Date: 11/19/2013 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>						
Mercury	0.031		SW7471 0.019	mg/Kg-dry	Prep Date: 12/3/2013 1	Analyst: LR 12/4/2013 01:27 PM
<b>METALS BY ICP-MS</b>						
Arsenic	12		SW6020A 2.8	mg/Kg-dry	Prep Date: 11/26/2013 5	Analyst: ML 11/27/2013 04:36 AM
Barium	220		2.8	mg/Kg-dry	5	11/27/2013 04:36 AM
Cadmium	ND		1.1	mg/Kg-dry	5	11/27/2013 04:36 AM
Chromium	22		2.8	mg/Kg-dry	5	11/27/2013 04:36 AM
Lead	19		2.8	mg/Kg-dry	5	11/27/2013 04:36 AM
Selenium	ND		2.8	mg/Kg-dry	5	11/27/2013 04:36 AM
Silver	ND		2.8	mg/Kg-dry	5	11/27/2013 04:36 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>						
Acenaphthene	ND		SW8270M 4.3	µg/Kg-dry	Prep Date: 12/2/2013 1	Analyst: HL 12/3/2013 04:25 PM
Acenaphthylene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(a)anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(a)pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(b)fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(b-k)fluoranthene	ND		8.6	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(e)pyrene	ND		13	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(g,h,i)perylene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Benzo(k)fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Chrysene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Dibenzo(a,h)anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Fluorene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Indeno(1,2,3-cd)pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Naphthalene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Phenanthrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:25 PM
Surr: 2-Fluorobiphenyl	80.4		12-100	%REC	1	12/3/2013 04:25 PM
Surr: 4-Terphenyl-d14	109		25-137	%REC	1	12/3/2013 04:25 PM
Surr: Nitrobenzene-d5	77.2		37-107	%REC	1	12/3/2013 04:25 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>						
1,1,1-Trichloroethane	ND		SW8260B 40	µg/Kg-dry	Prep Date: 11/19/2013 1	Analyst: CW 11/28/2013 08:59 AM
1,1,2,2-Tetrachloroethane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
1,1,2-Trichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
1,1-Dichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
1,1-Dichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SB-13  
 Collection Date: 11/19/2013 11:00 AM

Work Order: 13111254  
 Lab ID: 13111254-25  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
1,2-Dichloropropane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
2-Butanone	ND		260	µg/Kg-dry	1	11/28/2013 08:59 AM
2-Hexanone	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
4-Methyl-2-pentanone	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 08:59 AM
Benzene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Bromodichloromethane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Bromoform	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Bromomethane	ND		99	µg/Kg-dry	1	11/28/2013 08:59 AM
Carbon disulfide	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Carbon tetrachloride	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Chlorobenzene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 08:59 AM
Chloroform	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 08:59 AM
cis-1,2-Dichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
cis-1,3-Dichloropropene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Dibromochloromethane	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Ethylbenzene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
m,p-Xylene	ND		79	µg/Kg-dry	1	11/28/2013 08:59 AM
Methylene chloride	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
o-Xylene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Styrene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Tetrachloroethene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Toluene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
trans-1,2-Dichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
trans-1,3-Dichloropropene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Trichloroethene	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
Vinyl chloride	ND		40	µg/Kg-dry	1	11/28/2013 08:59 AM
1,2-Dichloroethene, Total	ND		79	µg/Kg-dry	1	11/28/2013 08:59 AM
1,3-Dichloropropene, Total	ND		79	µg/Kg-dry	1	11/28/2013 08:59 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 08:59 AM
Surr: 1,2-Dichloroethane-d4	98.3		70-130	%REC	1	11/28/2013 08:59 AM
Surr: 4-Bromofluorobenzene	97.8		70-130	%REC	1	11/28/2013 08:59 AM
Surr: Dibromofluoromethane	98.2		70-130	%REC	1	11/28/2013 08:59 AM
Surr: Toluene-d8	100		70-130	%REC	1	11/28/2013 08:59 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	24		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-15

Lab ID: 13111254-26

Collection Date: 11/20/2013 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.041		0.019	mg/Kg-dry	1	12/4/2013 01:30 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	12		2.6	mg/Kg-dry	5	11/27/2013 04:42 AM
Barium	190		2.6	mg/Kg-dry	5	11/27/2013 04:42 AM
Cadmium	ND		1.0	mg/Kg-dry	5	11/27/2013 04:42 AM
Chromium	20		2.6	mg/Kg-dry	5	11/27/2013 04:42 AM
Lead	17		2.6	mg/Kg-dry	5	11/27/2013 04:42 AM
Selenium	ND		2.6	mg/Kg-dry	5	11/27/2013 04:42 AM
Silver	ND		2.6	mg/Kg-dry	5	11/27/2013 04:42 AM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Acenaphthylene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(a)anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(a)pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(b)fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(b-k)fluoranthene	ND		8.5	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(e)pyrene	ND		13	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(g,h,i)perylene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Benzo(k)fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Chrysene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Dibenzo(a,h)anthracene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Fluoranthene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Fluorene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Indeno(1,2,3-cd)pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Naphthalene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Phenanthrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Pyrene	ND		4.3	µg/Kg-dry	1	12/3/2013 04:58 PM
Surr: 2-Fluorobiphenyl	79.0		12-100	%REC	1	12/3/2013 04:58 PM
Surr: 4-Terphenyl-d14	102		25-137	%REC	1	12/3/2013 04:58 PM
Surr: Nitrobenzene-d5	70.2		37-107	%REC	1	12/3/2013 04:58 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
1,1,2,2-Tetrachloroethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
1,1,2-Trichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
1,1-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
1,1-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-15

Lab ID: 13111254-26

Collection Date: 11/20/2013 11:00 AM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
1,2-Dichloropropane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
2-Butanone	ND		260	µg/Kg-dry	1	11/28/2013 09:14 AM
2-Hexanone	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
4-Methyl-2-pentanone	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Acetone	ND		130	µg/Kg-dry	1	11/28/2013 09:14 AM
Benzene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Bromodichloromethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Bromoform	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Bromomethane	ND		97	µg/Kg-dry	1	11/28/2013 09:14 AM
Carbon disulfide	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Carbon tetrachloride	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Chlorobenzene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Chloroethane	ND		130	µg/Kg-dry	1	11/28/2013 09:14 AM
Chloroform	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Chloromethane	ND		130	µg/Kg-dry	1	11/28/2013 09:14 AM
cis-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
cis-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Dibromochloromethane	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Ethylbenzene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
m,p-Xylene	ND		78	µg/Kg-dry	1	11/28/2013 09:14 AM
Methylene chloride	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
o-Xylene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Styrene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Tetrachloroethene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Toluene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
trans-1,2-Dichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
trans-1,3-Dichloropropene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Trichloroethene	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
Vinyl chloride	ND		39	µg/Kg-dry	1	11/28/2013 09:14 AM
1,2-Dichloroethene, Total	ND		78	µg/Kg-dry	1	11/28/2013 09:14 AM
1,3-Dichloropropene, Total	ND		78	µg/Kg-dry	1	11/28/2013 09:14 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/28/2013 09:14 AM
Surr: 1,2-Dichloroethane-d4	104		70-130	%REC	1	11/28/2013 09:14 AM
Surr: 4-Bromofluorobenzene	98.6		70-130	%REC	1	11/28/2013 09:14 AM
Surr: Dibromofluoromethane	97.8		70-130	%REC	1	11/28/2013 09:14 AM
Surr: Toluene-d8	106		70-130	%REC	1	11/28/2013 09:14 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	23		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: SB-16  
 Collection Date: 11/20/2013 03:00 PM

Work Order: 13111254  
 Lab ID: 13111254-27  
 Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>			<b>SW7471</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	0.091		0.020	mg/Kg-dry	1	12/4/2013 01:32 PM
<b>METALS BY ICP-MS</b>			<b>SW6020A</b>		Prep Date: 11/27/2013	Analyst: ML
Arsenic	11		2.2	mg/Kg-dry	5	11/27/2013 11:44 PM
Barium	230		2.2	mg/Kg-dry	5	11/27/2013 11:44 PM
Cadmium	ND		0.88	mg/Kg-dry	5	11/27/2013 11:44 PM
Chromium	22		2.2	mg/Kg-dry	5	11/27/2013 11:44 PM
Lead	27		4.4	mg/Kg-dry	10	12/10/2013 08:28 PM
Selenium	ND		2.2	mg/Kg-dry	5	11/27/2013 11:44 PM
Silver	ND		2.2	mg/Kg-dry	5	11/27/2013 11:44 PM
<b>SEMI-VOLATILE ORGANIC COMPOUNDS - SIM</b>			<b>SW8270M</b>		Prep Date: 12/2/2013	Analyst: HL
Acenaphthene	ND		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Acenaphthylene	ND		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Anthracene	6.3		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(a)anthracene	45		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(a)pyrene	28		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(b)fluoranthene	47		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(b-k)fluoranthene	57		9.0	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(e)pyrene	21		14	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(g,h,i)perylene	14		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Benzo(k)fluoranthene	9.9		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Chrysene	25		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Dibenzo(a,h)anthracene	ND		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Fluoranthene	55		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Fluorene	ND		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Indeno(1,2,3-cd)pyrene	15		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Naphthalene	ND		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Phenanthrene	15		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Pyrene	40		4.5	µg/Kg-dry	1	12/3/2013 05:31 PM
Surr: 2-Fluorobiphenyl	68.8		12-100	%REC	1	12/3/2013 05:31 PM
Surr: 4-Terphenyl-d14	98.6		25-137	%REC	1	12/3/2013 05:31 PM
Surr: Nitrobenzene-d5	69.8		37-107	%REC	1	12/3/2013 05:31 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260B</b>		Prep Date: 11/19/2013	Analyst: AK
1,1,1-Trichloroethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
1,1,2,2-Tetrachloroethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
1,1,2-Trichloroethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
1,1-Dichloroethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
1,1-Dichloroethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: SB-16

Lab ID: 13111254-27

Collection Date: 11/20/2013 03:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloroethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
1,2-Dichloropropane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
2-Butanone	ND		270	µg/Kg-dry	1	11/30/2013 03:17 AM
2-Hexanone	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
4-Methyl-2-pentanone	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Acetone	ND		140	µg/Kg-dry	1	11/30/2013 03:17 AM
Benzene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Bromodichloromethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Bromoform	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Bromomethane	ND		100	µg/Kg-dry	1	11/30/2013 03:17 AM
Carbon disulfide	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Carbon tetrachloride	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Chlorobenzene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Chloroethane	ND		140	µg/Kg-dry	1	11/30/2013 03:17 AM
Chloroform	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Chloromethane	ND		140	µg/Kg-dry	1	11/30/2013 03:17 AM
cis-1,2-Dichloroethene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
cis-1,3-Dichloropropene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Dibromochloromethane	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Ethylbenzene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
m,p-Xylene	ND		82	µg/Kg-dry	1	11/30/2013 03:17 AM
Methylene chloride	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
o-Xylene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Styrene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Tetrachloroethene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Toluene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
trans-1,2-Dichloroethene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
trans-1,3-Dichloropropene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Trichloroethene	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
Vinyl chloride	ND		41	µg/Kg-dry	1	11/30/2013 03:17 AM
1,2-Dichloroethene, Total	ND		82	µg/Kg-dry	1	11/30/2013 03:17 AM
1,3-Dichloropropene, Total	ND		82	µg/Kg-dry	1	11/30/2013 03:17 AM
Xylenes, Total	ND		120	µg/Kg-dry	1	11/30/2013 03:17 AM
Surr: 1,2-Dichloroethane-d4	102		70-130	%REC	1	11/30/2013 03:17 AM
Surr: 4-Bromofluorobenzene	113		70-130	%REC	1	11/30/2013 03:17 AM
Surr: Dibromofluoromethane	103		70-130	%REC	1	11/30/2013 03:17 AM
Surr: Toluene-d8	101		70-130	%REC	1	11/30/2013 03:17 AM
<b>MOISTURE</b>			<b>A2540 G</b>			<b>Analyst: MEB</b>
Moisture	27		0.050	% of sample	1	11/26/2013 03:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: TMW-1

Lab ID: 13111254-28

Collection Date: 11/21/2013 09:45 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA (DISSOLVED)</b>			<b>SW7470</b>			
Mercury	ND		0.00020	mg/L	1	Prep Date: 12/3/2013 Analyst: LR 12/4/2013 01:48 PM
<b>METALS BY ICP-MS (DISSOLVED)</b>			<b>SW6020A</b>			
Arsenic	ND		0.0050	mg/L	1	Prep Date: 11/26/2013 Analyst: ML 11/30/2013 07:15 AM
Barium	0.048		0.0050	mg/L	1	11/30/2013 07:15 AM
Cadmium	ND		0.0020	mg/L	1	11/30/2013 07:15 AM
Chromium	ND		0.0050	mg/L	1	11/30/2013 07:15 AM
Lead	ND		0.0050	mg/L	1	12/3/2013 05:49 AM
Selenium	ND		0.0050	mg/L	1	11/30/2013 07:15 AM
Silver	ND		0.0050	mg/L	1	11/30/2013 07:15 AM
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM</b>			<b>SW8270M</b>			
Acenaphthene	ND		0.060	µg/L	1	Prep Date: 11/27/2013 Analyst: HL 12/2/2013 04:19 PM
Acenaphthylene	ND		0.080	µg/L	1	12/2/2013 04:19 PM
Anthracene	ND		0.060	µg/L	1	12/2/2013 04:19 PM
Benzo(a)anthracene	ND		0.040	µg/L	1	12/2/2013 04:19 PM
Benzo(a)pyrene	ND		0.080	µg/L	1	12/2/2013 04:19 PM
Benzo(b)fluoranthene	ND		0.090	µg/L	1	12/2/2013 04:19 PM
Benzo(b-k)fluoranthene	ND		0.11	µg/L	1	12/2/2013 04:19 PM
Benzo(g,h,i)perylene	ND		0.080	µg/L	1	12/2/2013 04:19 PM
Benzo(k)fluoranthene	ND		0.050	µg/L	1	12/2/2013 04:19 PM
Chrysene	ND		0.050	µg/L	1	12/2/2013 04:19 PM
Dibenzo(a,h)anthracene	ND		0.080	µg/L	1	12/2/2013 04:19 PM
Fluoranthene	ND		0.070	µg/L	1	12/2/2013 04:19 PM
Fluorene	ND		0.050	µg/L	1	12/2/2013 04:19 PM
Indeno(1,2,3-cd)pyrene	ND		0.070	µg/L	1	12/2/2013 04:19 PM
Naphthalene	ND		0.070	µg/L	1	12/2/2013 04:19 PM
Phenanthrene	ND		0.080	µg/L	1	12/2/2013 04:19 PM
Pyrene	ND		0.050	µg/L	1	12/2/2013 04:19 PM
Surr: 2-Fluorobiphenyl	52.6		10-112	%REC	1	12/2/2013 04:19 PM
Surr: 4-Terphenyl-d14	75.6		10-132	%REC	1	12/2/2013 04:19 PM
Surr: Nitrobenzene-d5	54.2		15-110	%REC	1	12/2/2013 04:19 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			<b>Analyst: AK</b>
1,1,1-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: TMW-1

Lab ID: 13111254-28

Collection Date: 11/21/2013 09:45 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		2.0	µg/L	1	11/30/2013 05:19 AM
2-Butanone	ND		5.0	µg/L	1	11/30/2013 05:19 AM
2-Hexanone	ND		5.0	µg/L	1	11/30/2013 05:19 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/30/2013 05:19 AM
Acetone	ND		20	µg/L	1	11/30/2013 05:19 AM
Benzene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Bromodichloromethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Bromoform	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Bromomethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Carbon disulfide	ND		2.5	µg/L	1	11/30/2013 05:19 AM
Carbon tetrachloride	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Chlorobenzene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Chloroethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Chloroform	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Chloromethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Dibromochloromethane	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Ethylbenzene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
m,p-Xylene	ND		2.0	µg/L	1	11/30/2013 05:19 AM
Methylene chloride	ND		5.0	µg/L	1	11/30/2013 05:19 AM
o-Xylene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Styrene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Tetrachloroethene	ND		2.0	µg/L	1	11/30/2013 05:19 AM
Toluene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Trichloroethene	ND		1.0	µg/L	1	11/30/2013 05:19 AM
Vinyl chloride	ND		1.0	µg/L	1	11/30/2013 05:19 AM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	11/30/2013 05:19 AM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	11/30/2013 05:19 AM
Xylenes, Total	ND		3.0	µg/L	1	11/30/2013 05:19 AM
Surr: 1,2-Dichloroethane-d4	104		70-120	%REC	1	11/30/2013 05:19 AM
Surr: 4-Bromofluorobenzene	101		75-120	%REC	1	11/30/2013 05:19 AM
Surr: Dibromofluoromethane	111		85-115	%REC	1	11/30/2013 05:19 AM
Surr: Toluene-d8	107		85-120	%REC	1	11/30/2013 05:19 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: TMW-3

Lab ID: 13111254-29

Collection Date: 11/21/2013 11:30 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVA (DISSOLVED)</b>			<b>SW7470</b>		Prep Date: 12/3/2013	Analyst: LR
Mercury	ND		0.00020	mg/L	1	12/4/2013 01:50 PM
<b>METALS BY ICP-MS (DISSOLVED)</b>			<b>SW6020A</b>		Prep Date: 11/26/2013	Analyst: ML
Arsenic	0.028		0.0050	mg/L	1	11/30/2013 07:21 AM
Barium	0.96		0.0050	mg/L	1	11/30/2013 07:21 AM
Cadmium	ND		0.0020	mg/L	1	11/30/2013 07:21 AM
Chromium	0.0064		0.0050	mg/L	1	11/30/2013 07:21 AM
Lead	ND		0.025	mg/L	5	12/3/2013 05:55 AM
Selenium	ND		0.0050	mg/L	1	11/30/2013 07:21 AM
Silver	ND		0.0050	mg/L	1	11/30/2013 07:21 AM
<b>POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) - SIM</b>			<b>SW8270M</b>		Prep Date: 11/27/2013	Analyst: HL
Acenaphthene	ND		0.060	µg/L	1	12/2/2013 05:59 PM
Acenaphthylene	ND		0.080	µg/L	1	12/2/2013 05:59 PM
Anthracene	ND		0.060	µg/L	1	12/2/2013 05:59 PM
Benzo(a)anthracene	ND		0.040	µg/L	1	12/2/2013 05:59 PM
Benzo(a)pyrene	ND		0.080	µg/L	1	12/2/2013 05:59 PM
Benzo(b)fluoranthene	ND		0.090	µg/L	1	12/2/2013 05:59 PM
Benzo(b-k)fluoranthene	ND		0.11	µg/L	1	12/2/2013 05:59 PM
Benzo(g,h,i)perylene	ND		0.080	µg/L	1	12/2/2013 05:59 PM
Benzo(k)fluoranthene	ND		0.050	µg/L	1	12/2/2013 05:59 PM
Chrysene	ND		0.050	µg/L	1	12/2/2013 05:59 PM
Dibenzo(a,h)anthracene	ND		0.080	µg/L	1	12/2/2013 05:59 PM
Fluoranthene	ND		0.070	µg/L	1	12/2/2013 05:59 PM
Fluorene	ND		0.050	µg/L	1	12/2/2013 05:59 PM
Indeno(1,2,3-cd)pyrene	ND		0.070	µg/L	1	12/2/2013 05:59 PM
Naphthalene	ND		0.070	µg/L	1	12/2/2013 05:59 PM
Phenanthrene	ND		0.080	µg/L	1	12/2/2013 05:59 PM
Pyrene	ND		0.050	µg/L	1	12/2/2013 05:59 PM
Surr: 2-Fluorobiphenyl	51.0		10-112	%REC	1	12/2/2013 05:59 PM
Surr: 4-Terphenyl-d14	71.2		10-132	%REC	1	12/2/2013 05:59 PM
Surr: Nitrobenzene-d5	51.0		15-110	%REC	1	12/2/2013 05:59 PM
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>			Analyst: AK
1,1,1-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
1,1-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
1,1-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
1,2-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: TMW-3

Lab ID: 13111254-29

Collection Date: 11/21/2013 11:30 AM

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,2-Dichloropropane	ND		2.0	µg/L	1	11/30/2013 05:43 AM
2-Butanone	ND		5.0	µg/L	1	11/30/2013 05:43 AM
2-Hexanone	ND		5.0	µg/L	1	11/30/2013 05:43 AM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/30/2013 05:43 AM
Acetone	ND		20	µg/L	1	11/30/2013 05:43 AM
Benzene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Bromodichloromethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Bromoform	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Bromomethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Carbon disulfide	ND		2.5	µg/L	1	11/30/2013 05:43 AM
Carbon tetrachloride	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Chlorobenzene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Chloroethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Chloroform	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Chloromethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Dibromochloromethane	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Ethylbenzene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
m,p-Xylene	ND		2.0	µg/L	1	11/30/2013 05:43 AM
Methylene chloride	ND		5.0	µg/L	1	11/30/2013 05:43 AM
o-Xylene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Styrene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Tetrachloroethene	ND		2.0	µg/L	1	11/30/2013 05:43 AM
Toluene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Trichloroethene	ND		1.0	µg/L	1	11/30/2013 05:43 AM
Vinyl chloride	ND		1.0	µg/L	1	11/30/2013 05:43 AM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	11/30/2013 05:43 AM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	11/30/2013 05:43 AM
Xylenes, Total	ND		3.0	µg/L	1	11/30/2013 05:43 AM
Surr: 1,2-Dichloroethane-d4	114		70-120	%REC	1	11/30/2013 05:43 AM
Surr: 4-Bromofluorobenzene	96.6		75-120	%REC	1	11/30/2013 05:43 AM
Surr: Dibromofluoromethane	107		85-115	%REC	1	11/30/2013 05:43 AM
Surr: Toluene-d8	93.3		85-120	%REC	1	11/30/2013 05:43 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Project: Johns Manville-Riverside Parcels  
 Sample ID: Trip Blank  
 Collection Date: 11/21/2013

Work Order: 13111254  
 Lab ID: 13111254-30  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			<b>SW8260</b>		<b>Analyst: AK</b>	
1,1,1-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,1,2,2-Tetrachloroethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,1,2-Trichloroethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,1-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,1-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,2-Dichloroethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,2-Dichloropropane	ND		2.0	µg/L	1	11/30/2013 12:52 PM
2-Butanone	ND		5.0	µg/L	1	11/30/2013 12:52 PM
2-Hexanone	ND		5.0	µg/L	1	11/30/2013 12:52 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	11/30/2013 12:52 PM
Acetone	ND		20	µg/L	1	11/30/2013 12:52 PM
Benzene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Bromodichloromethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Bromoform	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Bromomethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Carbon disulfide	ND		2.5	µg/L	1	11/30/2013 12:52 PM
Carbon tetrachloride	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Chlorobenzene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Chloroethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Chloroform	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Chloromethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
cis-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
cis-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Dibromochloromethane	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Ethylbenzene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
m,p-Xylene	ND		2.0	µg/L	1	11/30/2013 12:52 PM
Methylene chloride	ND		5.0	µg/L	1	11/30/2013 12:52 PM
o-Xylene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Styrene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Tetrachloroethene	ND		2.0	µg/L	1	11/30/2013 12:52 PM
Toluene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
trans-1,2-Dichloroethene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
trans-1,3-Dichloropropene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Trichloroethene	ND		1.0	µg/L	1	11/30/2013 12:52 PM
Vinyl chloride	ND		1.0	µg/L	1	11/30/2013 12:52 PM
1,2-Dichloroethene, Total	ND		2.0	µg/L	1	11/30/2013 12:52 PM
1,3-Dichloropropene, Total	ND		2.0	µg/L	1	11/30/2013 12:52 PM
Xylenes, Total	ND		3.0	µg/L	1	11/30/2013 12:52 PM
Surr: 1,2-Dichloroethane-d4	108		70-120	%REC	1	11/30/2013 12:52 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

**ALS Group USA, Corp**

Date: 13-Dec-13

Client: Triad Engineering, Inc.

Project: Johns Manville-Riverside Parcels

Work Order: 13111254

Sample ID: Trip Blank

Lab ID: 13111254-30

Collection Date: 11/21/2013

Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 4-Bromofluorobenzene	108		75-120	%REC	1	11/30/2013 12:52 PM
Surr: Dibromofluoromethane	98.5		85-115	%REC	1	11/30/2013 12:52 PM
Surr: Toluene-d8	113		85-120	%REC	1	11/30/2013 12:52 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 13-Dec-13

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

QC BATCH REPORT

Batch ID: 53658 Instrument ID HG1 Method: SW7471

<b>MBLK</b>	Sample ID: MBLK-53658-53658		Units: mg/Kg		Analysis Date: 12/2/2013 02:11 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561966		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

<b>LCS</b>	Sample ID: LCS-53658-53658		Units: mg/Kg		Analysis Date: 12/2/2013 02:14 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561967		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1755	0.020	0.1665	0	105	80-120	0			

<b>MS</b>	Sample ID: 13111249-05BMS		Units: mg/Kg		Analysis Date: 12/2/2013 02:53 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561983		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1978	0.019	0.1586	0.03344	104	75-125	0			

<b>MS</b>	Sample ID: 13111249-06BMS		Units: mg/Kg		Analysis Date: 12/2/2013 03:00 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561986		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1729	0.017	0.1415	0.02221	107	75-125	0			

<b>MSD</b>	Sample ID: 13111249-05BMSD		Units: mg/Kg		Analysis Date: 12/2/2013 02:55 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561984		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.2063	0.019	0.1591	0.03344	109	75-125	0.1978	4.21	35	

<b>MSD</b>	Sample ID: 13111249-06BMSD		Units: mg/Kg		Analysis Date: 12/2/2013 03:03 PM					
Client ID:	Run ID: HG1_131202A		SeqNo: 2561987		Prep Date: 11/25/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1747	0.017	0.1431	0.02221	107	75-125	0.1729	1.02	35	

The following samples were analyzed in this batch:	13111254-01B	13111254-02B	13111254-03B
	13111254-04B	13111254-05B	13111254-06B
	13111254-07B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53776 Instrument ID HG1 Method: SW7470

<b>MBLK</b>	Sample ID: MBLK-53776-53776	Units: mg/L	Analysis Date: 12/4/2013 11:48 AM							
Client ID:	Run ID: HG1_131204A	SeqNo: 2564542	Prep Date: 12/3/2013 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury ND 0.00020

<b>LCS</b>	Sample ID: LCS-53776-53776	Units: mg/L	Analysis Date: 12/4/2013 11:51 AM							
Client ID:	Run ID: HG1_131204A	SeqNo: 2564543	Prep Date: 12/3/2013 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.002037 0.00020 0.002 0 102 80-120 0

<b>MS</b>	Sample ID: 13111249-07CMS	Units: mg/L	Analysis Date: 12/4/2013 11:56 AM							
Client ID:	Run ID: HG1_131204A	SeqNo: 2564545	Prep Date: 12/3/2013 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.001852 0.00020 0.002 -0.000011 93.2 75-125 0

<b>MSD</b>	Sample ID: 13111249-07CMSD	Units: mg/L	Analysis Date: 12/4/2013 11:58 AM							
Client ID:	Run ID: HG1_131204A	SeqNo: 2564546	Prep Date: 12/3/2013 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.002091 0.00020 0.002 -0.000011 105 75-125 0.001852 12.1 20

The following samples were analyzed in this batch: 13111254-28C 13111254-29C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53778 Instrument ID HG1 Method: SW7471

**MBLK** Sample ID: MBLK-53778-53778 Units: mg/Kg Analysis Date: 12/4/2013 12:13 PM  
 Client ID: Run ID: HG1\_131204A SeqNo: 2564577 Prep Date: 12/3/2013 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Mercury ND 0.020

**LCS** Sample ID: LCS-53778-53778 Units: mg/Kg Analysis Date: 12/4/2013 12:16 PM  
 Client ID: Run ID: HG1\_131204A SeqNo: 2564578 Prep Date: 12/3/2013 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Mercury 0.1773 0.020 0.1665 0 107 80-120 0

**MS** Sample ID: 13111254-24BMS Units: mg/Kg Analysis Date: 12/4/2013 01:22 PM  
 Client ID: SB-11 Run ID: HG1\_131204A SeqNo: 2564828 Prep Date: 12/3/2013 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Mercury 0.1355 0.014 0.116 0.02366 96.4 75-125 0

**IMSD** Sample ID: 13111254-24BMSD Units: mg/Kg Analysis Date: 12/4/2013 01:25 PM  
 Client ID: SB-11 Run ID: HG1\_131204A SeqNo: 2564829 Prep Date: 12/3/2013 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
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Mercury 0.1498 0.014 0.1192 0.02366 106 75-125 0.1355 9.97 35

The following samples were analyzed in this batch:

13111254-08B	13111254-09B	13111254-10B
13111254-11B	13111254-12B	13111254-13B
13111254-14B	13111254-15B	13111254-16B
13111254-17B	13111254-18B	13111254-19B
13111254-20B	13111254-21B	13111254-22B
13111254-23B	13111254-24B	13111254-25B
13111254-26B	13111254-27B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53677 Instrument ID ICPMS2 Method: SW6020A

MBLK		Sample ID: MBLK-53677-53677			Units: mg/L			Analysis Date: 11/30/2013 05:56 AM		
Client ID:		Run ID: ICPMS2_131127A			SeqNo: 2559943			Prep Date: 11/26/2013 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.0050								
Barium	ND	0.0050								
Chromium	ND	0.0050								
Lead	ND	0.0050								
Selenium	ND	0.0050								
Silver	ND	0.0050								

MBLK		Sample ID: MBLK-53677-53677			Units: mg/L			Analysis Date: 11/30/2013 05:56 AM		
Client ID:		Run ID: ICPMS2_131127B			SeqNo: 2560243			Prep Date: 11/26/2013 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cadmium	0.000191	0.0020								J

LCS		Sample ID: LCS-53677-53677			Units: mg/L			Analysis Date: 11/30/2013 06:01 AM		
Client ID:		Run ID: ICPMS2_131127A			SeqNo: 2559944			Prep Date: 11/26/2013 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.09822	0.0050	0.1	0	98.2	80-120	0			
Barium	0.09546	0.0050	0.1	0	95.5	80-120	0			
Chromium	0.09666	0.0050	0.1	0	96.7	80-120	0			
Lead	0.09398	0.0050	0.1	0	94	80-120	0			
Selenium	0.09836	0.0050	0.1	0	98.4	80-120	0			
Silver	0.1046	0.0050	0.1	0	105	80-120	0			

LCS		Sample ID: LCS-53677-53677			Units: mg/L			Analysis Date: 11/30/2013 06:01 AM		
Client ID:		Run ID: ICPMS2_131127B			SeqNo: 2560244			Prep Date: 11/26/2013 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cadmium	0.09759	0.0020	0.1	0	97.6	80-120	0			

IMS		Sample ID: 13111249-07CMS			Units: mg/L			Analysis Date: 11/30/2013 06:41 AM		
Client ID:		Run ID: ICPMS2_131127A			SeqNo: 2559951			Prep Date: 11/26/2013 DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1026	0.0050	0.1	0.003357	99.2	75-125	0			
Barium	0.2433	0.0050	0.1	0.1427	101	75-125	0			
Chromium	0.09591	0.0050	0.1	0.001357	94.6	75-125	0			
Selenium	0.101	0.0050	0.1	0.002035	99	75-125	0			
Silver	0.1005	0.0050	0.1	-3.486E-06	101	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53677 Instrument ID ICPMS2 Method: SW6020A

MS		Sample ID: 13111249-07CMS				Units: mg/L		Analysis Date: 11/30/2013 06:41 AM		
Client ID:		Run ID: ICPMS2_131127B			SeqNo: 2560251	Prep Date: 11/26/2013	DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cadmium	0.09582	0.0020	0.1	0.0001421	95.7	75-125		0		

MS		Sample ID: 13111249-07CMS				Units: mg/L		Analysis Date: 12/4/2013 05:21 PM		
Client ID:		Run ID: ICPMS2_131204A			SeqNo: 2565851	Prep Date: 11/26/2013	DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.0997	0.025	0.1	0.0001082	99.6	75-125		0		

MSD		Sample ID: 13111249-07CMSD				Units: mg/L		Analysis Date: 11/30/2013 06:47 AM		
Client ID:		Run ID: ICPMS2_131127A			SeqNo: 2559952	Prep Date: 11/26/2013	DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.1046	0.0050	0.1	0.003357	101	75-125	0.1026	1.93	20	
Barium	0.2451	0.0050	0.1	0.1427	102	75-125	0.2433	0.737	20	
Chromium	0.09701	0.0050	0.1	0.001357	95.7	75-125	0.09591	1.14	20	
Selenium	0.1011	0.0050	0.1	0.002035	99.1	75-125	0.101	0.099	20	
Silver	0.1012	0.0050	0.1	-3.486E-06	101	75-125	0.1005	0.694	20	

MSD		Sample ID: 13111249-07CMSD				Units: mg/L		Analysis Date: 11/30/2013 06:47 AM		
Client ID:		Run ID: ICPMS2_131127B			SeqNo: 2560252	Prep Date: 11/26/2013	DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cadmium	0.09477	0.0020	0.1	0.0001421	94.6	75-125	0.09582	1.1	20	

MSD		Sample ID: 13111249-07CMSD				Units: mg/L		Analysis Date: 12/4/2013 05:27 PM		
Client ID:		Run ID: ICPMS2_131204A			SeqNo: 2565852	Prep Date: 11/26/2013	DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	0.0989	0.025	0.1	0.0001082	98.8	75-125	0.0997	0.806	20	

The following samples were analyzed in this batch: 13111254-28C 13111254-29C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53682 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-53682-53682			Units:mg/Kg		Analysis Date: 11/27/2013 01:31 AM			
Client ID:		Run ID: ICPMS1_131126A			SeqNo:2557306		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Cadmium	0.00735	0.10								J
Chromium	ND	0.25								
Lead	0.008315	0.25								J
Selenium	ND	0.25								
Silver	0.004834	0.25								J

MBLK		Sample ID: MBLK-53682-53682			Units:mg/Kg		Analysis Date: 11/27/2013 03:07 PM			
Client ID:		Run ID: ICPMS1_131127A			SeqNo:2558829		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	0.02538	0.25								J

LCS		Sample ID: LCS-53682-53682			Units:mg/Kg		Analysis Date: 11/27/2013 01:37 AM			
Client ID:		Run ID: ICPMS1_131126A			SeqNo:2557307		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.55	0.25	5	0	91	80-120	0			
Barium	4.792	0.25	5	0	95.8	80-120	0			
Cadmium	4.78	0.10	5	0	95.6	80-120	0			
Chromium	4.899	0.25	5	0	98	80-120	0			
Lead	4.964	0.25	5	0	99.3	80-120	0			
Selenium	4.28	0.25	5	0	85.6	80-120	0			
Silver	5.49	0.25	5	0	110	80-120	0			

MS		Sample ID: 13111150-03AMS			Units:mg/Kg		Analysis Date: 11/27/2013 02:51 AM			
Client ID:		Run ID: ICPMS1_131126A			SeqNo:2557317		Prep Date: 11/26/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.452	0.37	7.452	0.9054	87.8	75-125	0			
Barium	15.33	0.37	7.452	9.828	73.8	75-125	0			S
Cadmium	7.108	0.15	7.452	0.0181	95.1	75-125	0			
Chromium	9.344	0.37	7.452	2.001	98.6	75-125	0			
Lead	8.867	0.37	7.452	1.546	98.3	75-125	0			
Selenium	6.27	0.37	7.452	0.2787	80.4	75-125	0			
Silver	7.876	0.37	7.452	0.007357	106	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53682 Instrument ID ICPMS1 Method: SW6020A

MSD		Sample ID: 13111150-03AMSD			Units:mg/Kg			Analysis Date: 11/27/2013 02:57 AM		
Client ID:		Run ID: ICPMS1_131126A			SeqNo:2557318			Prep Date: 11/26/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	7.601	0.37	7.474	0.9054	89.6	75-125	7.452	1.98	25	
Barium	15.79	0.37	7.474	9.828	79.8	75-125	15.33	2.98	25	
Cadmium	7.226	0.15	7.474	0.0181	96.4	75-125	7.108	1.65	25	
Chromium	9.529	0.37	7.474	2.001	101	75-125	9.344	1.96	25	
Lead	9.073	0.37	7.474	1.546	101	75-125	8.867	2.3	25	
Selenium	6.303	0.37	7.474	0.2787	80.6	75-125	6.27	0.524	25	
Silver	7.93	0.37	7.474	0.007357	106	75-125	7.876	0.676	25	

The following samples were analyzed in this batch:

13111254-15B	13111254-16B	13111254-17B
13111254-18B	13111254-19B	13111254-20B
13111254-21B	13111254-22B	13111254-23B
13111254-24B	13111254-25B	13111254-26B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53719 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-53719-53719			Units:mg/Kg			Analysis Date: 11/27/2013 08:14 PM			
Client ID:		Run ID: ICPMS1_131127A			SeqNo:2559538			Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	ND	0.25									
Barium	ND	0.25									
Cadmium	0.001787	0.10								J	
Chromium	ND	0.25									
Lead	0.002992	0.25								J	
Selenium	ND	0.25									
Silver	0.002124	0.25								J	

LCS		Sample ID: LCS-53719-53719			Units:mg/Kg			Analysis Date: 11/27/2013 08:20 PM			
Client ID:		Run ID: ICPMS1_131127A			SeqNo:2559539			Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	4.49	0.25	5	0	89.8	80-120	0				
Barium	4.84	0.25	5	0	96.8	80-120	0				
Cadmium	4.705	0.10	5	0	94.1	80-120	0				
Chromium	4.865	0.25	5	0	97.3	80-120	0				
Lead	4.964	0.25	5	0	99.3	80-120	0				
Selenium	4.236	0.25	5	0	84.7	80-120	0				
Silver	5.395	0.25	5	0	108	80-120	0				

MS		Sample ID: 13111229-20BMS			Units:mg/Kg			Analysis Date: 11/27/2013 10:54 PM			
Client ID:		Run ID: ICPMS1_131127A			SeqNo:2559564			Prep Date: 11/27/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	15.55	1.8	7.236	7.207	115	75-125	0				
Barium	91.53	1.8	7.236	74.28	238	75-125	0			SO	
Cadmium	7.677	0.72	7.236	0.305	102	75-125	0				
Chromium	29.41	1.8	7.236	20.75	120	75-125	0				
Lead	21.34	1.8	7.236	11.88	131	75-125	0			S	
Selenium	7.876	1.8	7.236	0.9946	95.1	75-125	0				
Silver	7.648	1.8	7.236	0.04574	105	75-125	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53719 Instrument ID ICPMS1 Method: SW6020A

MSD		Sample ID: 13111229-20BMSD				Units:mg/Kg		Analysis Date: 11/27/2013 11:01 PM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo:2559565		Prep Date: 11/27/2013		DF: 5	
Analyte	Result	PQL	SPK Vai	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	14.66	1.8	7.092	7.207	105	75-125	15.55	5.89	25		
Barium	84.72	1.8	7.092	74.28	147	75-125	91.53	7.74	25	SO	
Cadmium	7.596	0.71	7.092	0.305	103	75-125	7.677	1.07	25		
Chromium	28.78	1.8	7.092	20.75	113	75-125	29.41	2.17	25		
Lead	19.54	1.8	7.092	11.88	108	75-125	21.34	8.8	25		
Selenium	7.61	1.8	7.092	0.9946	93.3	75-125	7.876	3.44	25		
Silver	7.574	1.8	7.092	0.04574	106	75-125	7.648	0.97	25		

The following samples were analyzed in this batch:

13111254-27B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53721 Instrument ID ICPMS1 Method: SW6020A

MBLK		Sample ID: MBLK-53721-53721				Units: mg/Kg		Analysis Date: 11/27/2013 11:50 PM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo: 2559573		Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	ND	0.25									
Cadmium	ND	0.10									
Chromium	0.07185	0.25								J	
Selenium	ND	0.25									
Silver	ND	0.25									

MBLK		Sample ID: MBLK-53721-53721				Units: mg/Kg		Analysis Date: 12/10/2013 06:08 PM			
Client ID:		Run ID: ICPMS2_131210A				SeqNo: 2573170		Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Lead	0.003001	0.25								J	

LCS		Sample ID: LCS-53721-53721				Units: mg/Kg		Analysis Date: 11/27/2013 11:57 PM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo: 2559574		Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	4.524	0.25	5	0	90.5	80-120	0				
Cadmium	4.674	0.10	5	0	93.5	80-120	0				
Chromium	4.789	0.25	5	0	95.8	80-120	0				
Selenium	4.142	0.25	5	0	82.8	80-120	0				
Silver	5.26	0.25	5	0	105	80-120	0				

LCS		Sample ID: LCS-53721-53721				Units: mg/Kg		Analysis Date: 12/10/2013 06:14 PM			
Client ID:		Run ID: ICPMS2_131210A				SeqNo: 2573171		Prep Date: 11/27/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Lead	4.808	0.25	5	0	96.2	80-120	0				

MS		Sample ID: 13111249-05BMS				Units: mg/Kg		Analysis Date: 11/28/2013 02:13 AM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo: 2559596		Prep Date: 11/27/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	31.21	1.9	7.418	24.8	86.4	75-125	0				
Cadmium	8.568	0.74	7.418	5.026	47.7	75-125	0			S	
Chromium	185.3	1.9	7.418	68.82	1570	75-125	0			SO	
Lead	43.66	1.9	7.418	39.93	50.2	75-125	0			SO	
Selenium	8.383	1.9	7.418	1.154	97.4	75-125	0				
Silver	8.524	1.9	7.418	0.5958	107	75-125	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53721 Instrument ID ICPMS1 Method: SW6020A

MS		Sample ID: 13111249-06BMS				Units: mg/Kg		Analysis Date: 11/28/2013 03:09 AM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo: 2559603		Prep Date: 11/27/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	13.68	1.8	7.042	7.357	89.8	75-125	0				
Cadmium	7.616	0.70	7.042	0.9234	95	75-125	0				
Chromium	21.99	1.8	7.042	13.4	122	75-125	0				
Lead	17.54	1.8	7.042	18.23	-9.93	75-125	0			S	
Selenium	7.634	1.8	7.042	0.9248	95.3	75-125	0				
Silver	7.901	1.8	7.042	0.1079	111	75-125	0				

MSD		Sample ID: 13111249-05BMSD				Units: mg/Kg		Analysis Date: 11/28/2013 02:19 AM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo: 2559597		Prep Date: 11/27/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	29.01	1.9	7.496	24.8	56.2	75-125	31.21	7.3	25	S	
Cadmium	8.261	0.75	7.496	5.026	43.1	75-125	8.568	3.65	25	S	
Chromium	65.48	1.9	7.496	68.82	-44.5	75-125	185.3	95.6	25	SRO	
Lead	40.85	1.9	7.496	39.93	12.3	75-125	43.66	6.63	25	SO	
Selenium	7.976	1.9	7.496	1.154	91	75-125	8.383	4.97	25		
Silver	8.25	1.9	7.496	0.5958	102	75-125	8.524	3.27	25		

MSD		Sample ID: 13111249-06BMSD				Units: mg/Kg		Analysis Date: 11/28/2013 03:34 AM			
Client ID:		Run ID: ICPMS1_131127A				SeqNo: 2559607		Prep Date: 11/27/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	14.22	1.7	6.983	7.357	98.3	75-125	13.68	3.88	25		
Cadmium	7.703	0.70	6.983	0.9234	97.1	75-125	7.616	1.13	25		
Chromium	21.74	1.7	6.983	13.4	119	75-125	21.99	1.13	25		
Lead	18.19	1.7	6.983	18.23	-0.571	75-125	17.54	3.69	25	S	
Selenium	7.524	1.7	6.983	0.9248	94.5	75-125	7.634	1.44	25		
Silver	7.874	1.7	6.983	0.1079	111	75-125	7.901	0.353	25		

The following samples were analyzed in this batch:

13111254-01B	13111254-02B	13111254-03B
13111254-04B	13111254-05B	13111254-06B
13111254-07B	13111254-08B	13111254-09B
13111254-10B	13111254-11B	13111254-12B
13111254-13B	13111254-14B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 54069 Instrument ID ICPMS2 Method: SW6020A

MBLK		Sample ID: MBLK-54069-54069			Units: mg/Kg			Analysis Date: 12/11/2013 08:22 PM			
Client ID:		Run ID: ICPMS2_131211A			SeqNo: 2575204			Prep Date: 12/11/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	ND	0.25									
Barium	ND	0.25									
Cadmium	ND	0.10									
Chromium	ND	0.25									
Lead	ND	0.25									
Selenium	ND	0.25									
Silver	ND	0.25									

LCS		Sample ID: LCS-54069-54069			Units: mg/Kg			Analysis Date: 12/11/2013 08:27 PM			
Client ID:		Run ID: ICPMS2_131211A			SeqNo: 2575207			Prep Date: 12/11/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	4.74	0.25	5	0	94.8	80-120	0				
Barium	4.902	0.25	5	0	98	80-120	0				
Cadmium	4.584	0.10	5	0	91.7	80-120	0				
Chromium	4.768	0.25	5	0	95.4	80-120	0				
Lead	4.798	0.25	5	0	96	80-120	0				
Selenium	4.69	0.25	5	0	93.8	80-120	0				
Silver	4.504	0.25	5	0	90.1	80-120	0				

IMS		Sample ID: 13111249-05BMS			Units: mg/Kg			Analysis Date: 12/11/2013 09:27 PM			
Client ID:		Run ID: ICPMS2_131211A			SeqNo: 2575235			Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	28.63	1.6	6.394	17.96	167	75-125	0			S	
Barium	126.7	1.6	6.394	188.7	-970	75-125	0			SO	
Cadmium	6.509	0.64	6.394	0.3985	95.6	75-125	0				
Chromium	52.65	1.6	6.394	67.35	-230	75-125	0			SO	
Lead	35.33	1.6	6.394	35.44	-1.75	75-125	0			SO	
Selenium	6.816	1.6	6.394	0.7766	94.5	75-125	0				
Silver	5.748	1.6	6.394	0.03103	89.4	75-125	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 54069 Instrument ID ICPMS2 Method: SW6020A

MS		Sample ID: 13111249-06BMS				Units:mg/Kg		Analysis Date: 12/11/2013 09:54 PM			
Client ID:		Run ID: ICPMS2_131211A				SeqNo:2575247		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	14.57	1.7	6.711	7.233	109	75-125	0				
Barium	127.6	1.7	6.711	104.5	344	75-125	0			SO	
Cadmium	6.919	0.67	6.711	0.1462	101	75-125	0				
Chromium	22.05	1.7	6.711	11.99	150	75-125	0			S	
Lead	22.07	1.7	6.711	10.89	167	75-125	0			S	
Selenium	7.55	1.7	6.711	0.8464	99.9	75-125	0				
Silver	6.03	1.7	6.711	0.03393	89.3	75-125	0				

MSD		Sample ID: 13111249-05BMSD				Units:mg/Kg		Analysis Date: 12/11/2013 09:32 PM			
Client ID:		Run ID: ICPMS2_131211A				SeqNo:2575237		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	24.34	1.6	6.427	17.96	99.2	75-125	28.63	16.2	25		
Barium	127.7	1.6	6.427	188.7	-950	75-125	126.7	0.765	25	SO	
Cadmium	6.645	0.64	6.427	0.3985	97.2	75-125	6.509	2.07	25		
Chromium	50.16	1.6	6.427	67.35	-268	75-125	52.65	4.85	25	SO	
Lead	30.79	1.6	6.427	35.44	-72.3	75-125	35.33	13.7	25	SO	
Selenium	6.922	1.6	6.427	0.7766	95.6	75-125	6.816	1.54	25		
Silver	5.755	1.6	6.427	0.03103	89.1	75-125	5.748	0.123	25		

MSD		Sample ID: 13111249-06BMSD				Units:mg/Kg		Analysis Date: 12/11/2013 09:59 PM			
Client ID:		Run ID: ICPMS2_131211A				SeqNo:2575249		Prep Date: 12/11/2013		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	13.31	1.7	6.739	7.233	90.2	75-125	14.57	9.03	25		
Barium	118.6	1.7	6.739	104.5	209	75-125	127.6	7.33	25	SO	
Cadmium	6.57	0.67	6.739	0.1462	95.3	75-125	6.919	5.18	25		
Chromium	19.75	1.7	6.739	11.99	115	75-125	22.05	11	25		
Lead	19.66	1.7	6.739	10.89	130	75-125	22.07	11.6	25	S	
Selenium	6.924	1.7	6.739	0.8464	90.2	75-125	7.55	8.66	25		
Silver	5.96	1.7	6.739	0.03393	87.9	75-125	6.03	1.17	25		

The following samples were analyzed in this batch:

13111254-01B	13111254-02B	13111254-03B
13111254-04B	13111254-05B	13111254-06B
13111254-07B	13111254-08B	13111254-09B
13111254-10B	13111254-11B	13111254-12B
13111254-13B	13111254-14B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MBLK	Sample ID: SBLKS1-53684-53684	Units: µg/Kg				Analysis Date: 11/27/2013 08:39 PM				
Client ID:	Run ID: SVMS7_131127A	SeqNo:2562108		Prep Date: 11/27/2013		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	3.3								
Acenaphthylene	ND	3.3								
Anthracene	ND	3.3								
Benzo(a)anthracene	ND	3.3								
Benzo(a)pyrene	ND	3.3								
Benzo(b)fluoranthene	ND	3.3								
Benzo(b-k)fluoranthene	ND	6.7								
Benzo(e)pyrene	ND	10								
Benzo(g,h,i)perylene	ND	3.3								
Benzo(k)fluoranthene	ND	3.3								
Chrysene	ND	3.3								
Dibenzo(a,h)anthracene	ND	3.3								
Fluoranthene	ND	3.3								
Fluorene	ND	3.3								
Indeno(1,2,3-cd)pyrene	ND	3.3								
Naphthalene	ND	3.3								
Phenanthrene	ND	3.3								
Pyrene	ND	3.3								
Surr: 2-Fluorobiphenyl	106	0	166.7	0	63.6	12-100	0			
Surr: 4-Terphenyl-d14	172	0	166.7	0	103	25-137	0			
Surr: Nitrobenzene-d5	111.7	0	166.7	0	67	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

LCS	Sample ID: SLCSS1-53684-53684	Units: µg/Kg					Analysis Date: 11/27/2013 01:30 PM				
Client ID:	Run ID: SVMS7_131127A	SeqNo:2562101			Prep Date: 11/27/2013		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	55	3.3	66.67	0	82.5	35-110	0				
Acenaphthylene	50.67	3.3	66.67	0	76	35-115	0				
Anthracene	56	3.3	66.67	0	84	45-125	0				
Benzo(a)anthracene	58	3.3	66.67	0	87	50-105	0				
Benzo(a)pyrene	60	3.3	66.67	0	90	40-135	0				
Benzo(b)fluoranthene	63.67	3.3	66.67	0	95.5	55-120	0				
Benzo(b-k)fluoranthene	124.7	6.7	133.3	0	93.5	55-120	0				
Benzo(g,h,i)perylene	67.67	3.3	66.67	0	102	55-115	0				
Benzo(k)fluoranthene	61	3.3	66.67	0	91.5	55-120	0				
Chrysene	62.67	3.3	66.67	0	94	55-120	0				
Dibenzo(a,h)anthracene	63	3.3	66.67	0	94.5	45-115	0				
Fluoranthene	62	3.3	66.67	0	93	40-135	0				
Fluorene	60.67	3.3	66.67	0	91	45-105	0				
Indeno(1,2,3-cd)pyrene	62.67	3.3	66.67	0	94	55-135	0				
Naphthalene	52.33	3.3	66.67	0	78.5	50-110	0				
Phenanthrene	54	3.3	66.67	0	81	55-125	0				
Pyrene	67	3.3	66.67	0	101	50-115	0				
Surr: 2-Fluorobiphenyl	115.7	0	166.7	0	69.4	12-100	0				
Surr: 4-Terphenyl-d14	164.3	0	166.7	0	98.6	25-137	0				
Surr: Nitrobenzene-d5	130.3	0	166.7	0	78.2	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 13111249-06B MS			Units: µg/Kg			Analysis Date: 11/27/2013 04:15 PM			
Client ID:		Run ID: SVMS7_131127A			SeqNo: 2562102		Prep Date: 11/27/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	106.3	6.4	128.8	0	82.5	35-110	0				
Acenaphthylene	95.99	6.4	128.8	0.6585	74	35-115	0				
Anthracene	109.5	6.4	128.8	0.6585	84.5	45-125	0				
Benzo(a)anthracene	112.1	6.4	128.8	3.292	84.4	50-105	0				
Benzo(a)pyrene	117.9	6.4	128.8	4.28	88.2	40-135	0				
Benzo(b)fluoranthene	123.7	6.4	128.8	6.914	90.6	55-120	0				
Benzo(b-k)fluoranthene	237.7	13	257.7	6.914	89.6	55-120	0				
Benzo(g,h,i)perylene	143.7	6.4	128.8	2.963	109	55-115	0				
Benzo(k)fluoranthene	114	6.4	128.8	1.975	87	55-120	0				
Chrysene	113.4	6.4	128.8	2.963	85.7	55-120	0				
Dibenzo(a,h)anthracene	106.9	6.4	128.8	1.975	81.5	45-115	0				
Fluoranthene	125	6.4	128.8	3.951	93.9	40-135	0				
Fluorene	114	6.4	128.8	0	88.5	45-105	0				
Indeno(1,2,3-cd)pyrene	112.1	6.4	128.8	3.292	84.4	55-135	0				
Naphthalene	88.26	6.4	128.8	0	68.5	50-110	0				
Phenanthrene	103.7	6.4	128.8	1.646	79.2	55-125	0				
Pyrene	124.3	6.4	128.8	4.609	92.9	50-115	0				
Surr: 2-Fluorobiphenyl	222.3	0	322.1	0	69	12-100	0				
Surr: 4-Terphenyl-d14	284.1	0	322.1	0	88.2	25-137	0				
Surr: Nitrobenzene-d5	248	0	322.1	0	77	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 13111249-05B MS			Units: µg/Kg			Analysis Date: 11/27/2013 05:21 PM		
Client ID:		Run ID: SVMS7_131127A			SeqNo: 2562104			Prep Date: 11/27/2013		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	117.3	65	130.4	0	90	35-110	0			
Acenaphthylene	189.1	65	130.4	76.6	86.3	35-115	0			
Anthracene	143.4	65	130.4	19.98	94.7	45-125	0			
Benzo(a)anthracene	365.1	65	130.4	226.5	106	50-105	0			S
Benzo(a)pyrene	404.2	65	130.4	273.1	101	40-135	0			
Benzo(b)fluoranthene	482.4	65	130.4	496.2	-10.6	55-120	0			S
Benzo(b-k)fluoranthene	749.7	130	260.8	496.2	97.2	55-120	0			
Benzo(g,h,i)perylene	391.2	65	130.4	246.4	111	55-115	0			
Benzo(k)fluoranthene	267.3	65	130.4	143.2	95.2	55-120	0			
Chrysene	358.6	65	130.4	216.5	109	55-120	0			
Dibenzo(a,h)anthracene	189.1	65	130.4	53.28	104	45-115	0			
Fluoranthene	502	65	130.4	286.4	165	40-135	0			S
Fluorene	117.3	65	130.4	3.33	87.4	45-105	0			
Indeno(1,2,3-cd)pyrene	312.9	65	130.4	186.5	97	55-135	0			
Naphthalene	97.79	65	130.4	3.33	72.4	50-110	0			
Phenanthrene	189.1	65	130.4	36.63	117	55-125	0			
Pyrene	573.7	65	130.4	369.7	156	50-115	0			S
Surr: 2-Fluorobiphenyl	208.6	0	326	0	64	12-100	0			
Surr: 4-Terphenyl-d14	332.5	0	326	0	102	25-137	0			
Surr: Nitrobenzene-d5	208.6	0	326	0	64	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MSD	Sample ID: 13111249-06B MSD			Units: µg/Kg			Analysis Date: 11/27/2013 04:48 PM			
Client ID:	Run ID: SVMS7_131127A			SeqNo:2562103		Prep Date: 11/27/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	103.2	6.3	125.8	0	82	35-110	106.3	2.98	40	
Acenaphthylene	93.74	6.3	125.8	0.6585	74	35-115	95.99	2.37	40	
Anthracene	105.1	6.3	125.8	0.6585	83	45-125	109.5	4.15	40	
Benzo(a)anthracene	109.5	6.3	125.8	3.292	84.4	50-105	112.1	2.37	40	
Benzo(a)pyrene	111.4	6.3	125.8	4.28	85.1	40-135	117.9	5.71	40	
Benzo(b)fluoranthene	121.4	6.3	125.8	6.914	91	55-120	123.7	1.86	40	
Benzo(b-k)fluoranthene	230.9	13	251.7	6.914	89	55-120	237.7	2.92	40	
Benzo(g,h,i)perylene	129.6	6.3	125.8	2.963	101	55-115	143.7	10.3	40	
Benzo(k)fluoranthene	109.5	6.3	125.8	1.975	85.4	55-120	114	4.08	40	
Chrysene	108.8	6.3	125.8	2.963	84.1	55-120	113.4	4.09	40	
Dibenzo(a,h)anthracene	107	6.3	125.8	1.975	83.4	45-115	106.9	0.00644	40	
Fluoranthene	120.8	6.3	125.8	3.951	92.9	40-135	125	3.41	40	
Fluorene	118.3	6.3	125.8	0	94	45-105	114	3.65	40	
Indeno(1,2,3-cd)pyrene	112	6.3	125.8	3.292	86.4	55-135	112.1	0.102	40	
Naphthalene	94.37	6.3	125.8	0	75	50-110	88.26	6.69	40	
Phenanthrene	98.14	6.3	125.8	1.646	76.7	55-125	103.7	5.53	40	
Pyrene	122.7	6.3	125.8	4.609	93.8	50-115	124.3	1.34	40	
Surr: 2-Fluorobiphenyl	209.5	0	314.6	0	66.6	12-100	222.3	5.91	40	
Surr: 4-Terphenyl-d14	290	0	314.6	0	92.2	25-137	284.1	2.06	40	
Surr: Nitrobenzene-d5	239.7	0	314.6	0	76.2	37-107	248	3.42	40	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53684 Instrument ID SVMS7 Method: SW8270M

MSD	Sample ID: 13111249-05B MSD			Units: µg/Kg			Analysis Date: 11/27/2013 05:54 PM			
Client ID:	Run ID: SVMS7_131127A			SeqNo:2562105			Prep Date: 11/27/2013		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	95.69	64	127.6	0	75	35-110	117.3	20.3	40	
Acenaphthylene	114.8	64	127.6	76.6	30	35-115	189.1	48.9	40	SR
Anthracene	108.4	64	127.6	19.98	69.3	45-125	143.4	27.8	40	
Benzo(a)anthracene	140.3	64	127.6	226.5	-67.5	50-105	365.1	88.9	40	SR
Benzo(a)pyrene	153.1	64	127.6	273.1	-94	40-135	404.2	90.1	40	SR
Benzo(b)fluoranthene	159.5	64	127.6	496.2	-264	55-120	482.4	101	40	SR
Benzo(b-k)fluoranthene	287.1	130	255.2	496.2	-82	55-120	749.7	89.2	40	SR
Benzo(g,h,i)perylene	146.7	64	127.6	246.4	-78.2	55-115	391.2	90.9	40	SR
Benzo(k)fluoranthene	127.6	64	127.6	143.2	-12.2	55-120	267.3	70.8	40	SR
Chrysene	140.3	64	127.6	216.5	-59.7	55-120	358.6	87.5	40	SR
Dibenzo(a,h)anthracene	121.2	64	127.6	53.28	53.2	45-115	189.1	43.7	40	R
Fluoranthene	146.7	64	127.6	286.4	-109	40-135	502	110	40	SR
Fluorene	108.4	64	127.6	3.33	82.4	45-105	117.3	7.88	40	
Indeno(1,2,3-cd)pyrene	140.3	64	127.6	186.5	-36.2	55-135	312.9	76.2	40	SR
Naphthalene	102.1	64	127.6	3.33	77.4	50-110	97.79	4.26	40	
Phenanthrene	102.1	64	127.6	36.63	51.3	55-125	189.1	59.8	40	SR
Pyrene	153.1	64	127.6	369.7	-170	50-115	573.7	116	40	SR
Surr: 2-Fluorobiphenyl	261.5	0	319	0	82	12-100	208.6	22.5	40	
Surr: 4-Terphenyl-d14	287.1	0	319	0	90	25-137	332.5	14.7	40	
Surr: Nitrobenzene-d5	223.3	0	319	0	70	37-107	208.6	6.79	40	

The following samples were analyzed in this batch:

13111254-01B	13111254-02B	13111254-03B
13111254-04B	13111254-05B	13111254-06B
13111254-07B	13111254-08B	13111254-09B
13111254-10B	13111254-11B	13111254-12B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

MBLK	Sample ID: SBLKW1-53708-53708		Units: µg/L		Analysis Date: 11/27/2013 08:06 PM					
Client ID:	Run ID: SVMS7_131127A		SeqNo: 2561249		Prep Date: 11/27/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	ND	0.060								
Acenaphthylene	ND	0.080								
Anthracene	ND	0.060								
Benzo(a)anthracene	ND	0.040								
Benzo(a)pyrene	ND	0.080								
Benzo(b)fluoranthene	ND	0.090								
Benzo(b-k)fluoranthene	ND	0.11								
Benzo(g,h,i)perylene	ND	0.080								
Benzo(k)fluoranthene	ND	0.050								
Chrysene	ND	0.050								
Dibenzo(a,h)anthracene	ND	0.080								
Fluoranthene	ND	0.070								
Fluorene	ND	0.050								
Indeno(1,2,3-cd)pyrene	ND	0.070								
Naphthalene	ND	0.070								
Phenanthrene	ND	0.080								
Pyrene	ND	0.050								
Surr: 2-Fluorobiphenyl	2.44	0	5	0	48.8	10-112	0			
Surr: 4-Terphenyl-d14	3.97	0	5	0	79.4	10-132	0			
Surr: Nitrobenzene-d5	2.55	0	5	0	51	15-110	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

LCS	Sample ID: SLCSW1-53708-53708		Units: µg/L				Analysis Date: 11/27/2013 12:57 PM			
Client ID:	Run ID: SVMS7_131127A		SeqNo:2561245		Prep Date: 11/27/2013		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1.45	0.060	2	0	72.5	45-110	0			
Acenaphthylene	1.17	0.080	2	0	58.5	50-105	0			
Anthracene	1.35	0.060	2	0	67.5	55-110	0			
Benzo(a)anthracene	1.38	0.040	2	0	69	55-110	0			
Benzo(a)pyrene	1.4	0.080	2	0	70	55-110	0			
Benzo(b)fluoranthene	1.46	0.090	2	0	73	45-120	0			
Benzo(b-k)fluoranthene	2.93	0.11	4	0	73.2	45-120	0			
Benzo(g,h,i)perylene	1.67	0.080	2	0	83.5	40-125	0			
Benzo(k)fluoranthene	1.47	0.050	2	0	73.5	45-120	0			
Chrysene	1.52	0.050	2	0	76	55-110	0			
Dibenzo(a,h)anthracene	1.46	0.080	2	0	73	40-125	0			
Fluoranthene	1.38	0.070	2	0	69	55-115	0			
Fluorene	1.52	0.050	2	0	76	50-110	0			
Indeno(1,2,3-cd)pyrene	1.45	0.070	2	0	72.5	45-125	0			
Naphthalene	1.09	0.070	2	0	54.5	40-100	0			
Phenanthrene	1.25	0.080	2	0	62.5	50-115	0			
Pyrene	1.61	0.050	2	0	80.5	50-130	0			
Surr: 2-Fluorobiphenyl	2.47	0	5	0	49.4	10-112	0			
Surr: 4-Terphenyl-d14	4.03	0	5	0	80.6	10-132	0			
Surr: Nitrobenzene-d5	2.73	0	5	0	54.6	15-110	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 13111249-07B MS			Units: µg/L			Analysis Date: 11/27/2013 02:03 PM		
Client ID:		Run ID: SVMS7_131127A			SeqNo: 2561246			Prep Date: 11/27/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1.37	0.060	2	0	68.5	45-110	0			
Acenaphthylene	1.22	0.080	2	0	61	50-105	0			
Anthracene	1.32	0.060	2	0	66	55-110	0			
Benzo(a)anthracene	1.36	0.040	2	0	68	55-110	0			
Benzo(a)pyrene	1.44	0.080	2	0	72	55-110	0			
Benzo(b)fluoranthene	1.51	0.090	2	0	75.5	45-120	0			
Benzo(b-k)fluoranthene	2.93	0.11	4	0	73.2	45-120	0			
Benzo(g,h,i)perylene	1.71	0.080	2	0	85.5	40-125	0			
Benzo(k)fluoranthene	1.42	0.050	2	0	71	45-120	0			
Chrysene	1.44	0.050	2	0	72	55-110	0			
Dibenzo(a,h)anthracene	1.47	0.080	2	0	73.5	40-125	0			
Fluoranthene	1.4	0.070	2	0	70	55-115	0			
Fluorene	1.5	0.050	2	0	75	50-110	0			
Indeno(1,2,3-cd)pyrene	1.48	0.070	2	0	74	45-125	0			
Naphthalene	1.15	0.070	2	0	57.5	40-100	0			
Phenanthrene	1.23	0.080	2	0	61.5	50-110	0			
Pyrene	1.6	0.050	2	0	80	50-130	0			
Surr: 2-Fluorobiphenyl	2.6	0	5	0	52	10-112	0			
Surr: 4-Terphenyl-d14	3.99	0	5	0	79.8	10-132	0			
Surr: Nitrobenzene-d5	2.79	0	5	0	55.8	15-110	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53708 Instrument ID SVMS7 Method: SW8270M

MSD	Sample ID: 13111249-07B MSD			Units: µg/L			Analysis Date: 11/27/2013 02:36 PM			
Client ID:	Run ID: SVMS7_131127A			SeqNo: 2561247		Prep Date: 11/27/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1.28	0.060	2	0	64	45-110	1.37	6.79	40	
Acenaphthylene	1.09	0.080	2	0	54.5	50-105	1.22	11.3	40	
Anthracene	1.25	0.060	2	0	62.5	55-110	1.32	5.45	40	
Benzo(a)anthracene	1.24	0.040	2	0	62	55-110	1.36	9.23	40	
Benzo(a)pyrene	1.29	0.080	2	0	64.5	55-110	1.44	11	40	
Benzo(b)fluoranthene	1.36	0.090	2	0	68	45-120	1.51	10.5	40	
Benzo(b-k)fluoranthene	2.63	0.11	4	0	65.8	45-120	2.93	10.8	40	
Benzo(g,h,i)perylene	1.5	0.080	2	0	75	40-125	1.71	13.1	40	
Benzo(k)fluoranthene	1.27	0.050	2	0	63.5	45-120	1.42	11.2	40	
Chrysene	1.31	0.050	2	0	65.5	55-110	1.44	9.45	40	
Dibenzo(a,h)anthracene	1.32	0.080	2	0	66	40-125	1.47	10.8	40	
Fluoranthene	1.27	0.070	2	0	63.5	55-115	1.4	9.74	40	
Fluorene	1.44	0.050	2	0	72	50-110	1.5	4.08	40	
Indeno(1,2,3-cd)pyrene	1.32	0.070	2	0	66	45-125	1.48	11.4	40	
Naphthalene	1.04	0.070	2	0	52	40-100	1.15	10	40	
Phenanthrene	1.16	0.080	2	0	58	50-115	1.23	5.86	40	
Pyrene	1.39	0.050	2	0	69.5	50-130	1.6	14	40	
Surr: 2-Fluorobiphenyl	2.35	0	5	0	47	10-112	2.6	10.1	40	
Surr: 4-Terphenyl-d14	3.47	0	5	0	69.4	10-132	3.99	13.9	40	
Surr: Nitrobenzene-d5	2.5	0	5	0	50	15-110	2.79	11	40	

The following samples were analyzed in this batch:

13111254-28B 13111254-29B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53753 Instrument ID SVMS7 Method: SW8270M

LCS		Sample ID: SLCSS1-53753-53753			Units: µg/Kg			Analysis Date: 12/2/2013 04:52 PM			
Client ID:		Run ID: SVMS7_131202A			SeqNo:2562223		Prep Date: 12/2/2013		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	43.33	3.3	66.67	0	65	35-110	0				
Acenaphthylene	47.67	3.3	66.67	0	71.5	35-115	0				
Anthracene	53	3.3	66.67	0	79.5	45-125	0				
Benzo(a)anthracene	55	3.3	66.67	0	82.5	50-105	0				
Benzo(a)pyrene	60.33	3.3	66.67	0	90.5	40-135	0				
Benzo(b)fluoranthene	65.33	3.3	66.67	0	98	55-120	0				
Benzo(b-k)fluoranthene	121	6.7	133.3	0	90.8	55-120	0				
Benzo(g,h,i)perylene	60.67	3.3	66.67	0	91	55-115	0				
Benzo(k)fluoranthene	55.67	3.3	66.67	0	83.5	55-120	0				
Chrysene	59.67	3.3	66.67	0	89.5	55-120	0				
Dibenzo(a,h)anthracene	62.33	3.3	66.67	0	93.5	45-115	0				
Fluoranthene	55.67	3.3	66.67	0	83.5	40-135	0				
Fluorene	46	3.3	66.67	0	72	45-105	0				
Indeno(1,2,3-cd)pyrene	62	3.3	66.67	0	93	55-135	0				
Naphthalene	51.67	3.3	66.67	0	77.5	50-110	0				
Phenanthrene	52.33	3.3	66.67	0	78.5	55-125	0				
Pyrene	61	3.3	66.67	0	91.5	50-115	0				
Surr: 2-Fluorobiphenyl	125.7	0	166.7	0	75.4	12-100	0				
Surr: 4-Terphenyl-d14	170	0	166.7	0	102	25-137	0				
Surr: Nitrobenzene-d5	136	0	166.7	0	82.8	37-107	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53753 Instrument ID SVMS7 Method: SW8270M

MS		Sample ID: 13111254-13B MS			Units: µg/Kg			Analysis Date: 12/3/2013 09:45 AM		
Client ID: SS-15		Run ID: SVMS7_131203A			SeqNo:2563776			Prep Date: 12/2/2013		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	86.25	66	132.7	6.492	60.1	35-110	0			
Acenaphthylene	132.7	66	132.7	19.48	85.3	35-115	0			
Anthracene	132.7	66	132.7	19.48	85.3	45-125	0			
Benzo(a)anthracene	437.9	66	132.7	175.3	198	50-105	0			S
Benzo(a)pyrene	325.1	66	132.7	120.1	154	40-135	0			S
Benzo(b)fluoranthene	384.8	66	132.7	233.7	114	55-120	0			
Benzo(b-k)fluoranthene	643.6	130	265.4	233.7	154	55-120	0			S
Benzo(g,h,i)perylene	258.8	66	132.7	74.66	139	55-115	0			S
Benzo(k)fluoranthene	258.8	66	132.7	81.16	134	55-120	0			S
Chrysene	265.4	66	132.7	90.89	132	55-120	0			S
Dibenzo(a,h)anthracene	159.2	66	132.7	19.48	105	45-115	0			
Fluoranthene	418	66	132.7	181.8	178	40-135	0			S
Fluorene	72.96	66	132.7	6.492	50.1	45-105	0			
Indeno(1,2,3-cd)pyrene	245.5	66	132.7	74.66	129	55-135	0			
Naphthalene	119.4	66	132.7	12.96	80.2	50-110	0			
Phenanthrene	232.2	66	132.7	68.17	124	55-125	0			
Pyrene	364.9	66	132.7	146.1	165	50-115	0			S
Surr: 2-Fluorobiphenyl	265.4	0	331.7	0	80	12-100	0			
Surr: 4-Terphenyl-d14	318.5	0	331.7	0	96	25-137	0			
Surr: Nitrobenzene-d5	212.3	0	331.7	0	64	37-107	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53753 Instrument ID SVMS7 Method: SW8270M

MSD	Sample ID: 13111254-13B MSD			Units: µg/Kg			Analysis Date: 12/3/2013 10:18 AM			
Client ID: SS-15	Run ID: SVMS7_131203A			SeqNo: 2563777			Prep Date: 12/2/2013		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	92.37	66	132	6.492	65.1	35-110	86.25	6.85	40	
Acenaphthylene	138.6	66	132	19.48	90.2	35-115	132.7	4.32	40	
Anthracene	151.8	66	132	19.48	100	45-125	132.7	13.4	40	
Benzo(a)anthracene	521.2	66	132	175.3	262	50-105	437.9	17.4	40	S
Benzo(a)pyrene	382.7	66	132	120.1	199	40-135	325.1	16.3	40	S
Benzo(b)fluoranthene	448.7	66	132	233.7	163	55-120	384.8	15.3	40	S
Benzo(b-k)fluoranthene	732.4	130	263.9	233.7	189	55-120	643.6	12.9	40	S
Benzo(g,h,i)perylene	283.7	66	132	74.66	158	55-115	258.8	9.2	40	S
Benzo(k)fluoranthene	283.7	66	132	81.16	154	55-120	258.8	9.2	40	S
Chrysene	296.9	66	132	90.89	156	55-120	265.4	11.2	40	S
Dibenzo(a,h)anthracene	151.8	66	132	19.48	100	45-115	159.2	4.81	40	
Fluoranthene	547.6	66	132	181.8	277	40-135	418	26.9	40	S
Fluorene	79.18	66	132	6.492	55.1	45-105	72.98	8.14	40	
Indeno(1,2,3-cd)pyrene	277.1	66	132	74.66	153	55-135	245.5	12.1	40	S
Naphthalene	112.2	66	132	12.98	75.2	50-110	119.4	6.27	40	
Phenanthrene	277.1	66	132	68.17	156	55-125	232.2	17.6	40	S
Pyrene	461.9	66	132	146.1	239	50-115	364.9	23.5	40	S
Surr: 2-Fluorobiphenyl	230.9	0	329.9	0	70	12-100	265.4	13.9	40	
Surr: 4-Terphenyl-d14	303.5	0	329.9	0	92	25-137	318.5	4.81	40	
Surr: Nitrobenzene-d5	191.3	0	329.9	0	58	37-107	212.3	10.4	40	

The following samples were analyzed in this batch:

13111254-13B	13111254-14B	13111254-15B
13111254-16B	13111254-17B	13111254-18B
13111254-19B	13111254-20B	13111254-21B
13111254-22B	13111254-23B	13111254-24B
13111254-25B	13111254-26B	13111254-27B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

MBLK		Sample ID: MBLK-53716-53716			Units: µg/Kg		Analysis Date: 11/27/2013 04:23 PM			
Client ID:		Run ID: VMS5_131127A			SeqNo:2559191		Prep Date: 11/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Benzene	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	75								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
Methylene chloride	ND	30								
o-Xylene	ND	30								
Styrene	ND	30								
Tetrachloroethene	ND	30								
Toluene	ND	30								
trans-1,2-Dichloroethene	ND	30								
trans-1,3-Dichloropropene	ND	30								
Trichloroethene	ND	30								
Vinyl chloride	ND	30								
1,2-Dichloroethene, Total	ND	60								
1,3-Dichloropropene, Total	ND	60								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	984.5	0	1000	0	98.4	70-130		0		
Surr: 4-Bromofluorobenzene	973	0	1000	0	97.3	70-130		0		
Surr: Dibromofluoromethane	994.5	0	1000	0	99.4	70-130		0		
Surr: Toluene-d8	992	0	1000	0	99.2	70-130		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

LCS		Sample ID: LCS-53716-53716			Units: µg/Kg			Analysis Date: 11/27/2013 02:45 PM			
Client ID:		Run ID: VMS5_131127A			SeqNo: 2559189			Prep Date: 11/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	1093	30	1000	0	109	70-135	0				
1,1,2,2-Tetrachloroethane	1188	30	1000	0	119	55-130	0				
1,1,2-Trichloroethane	1156	30	1000	0	116	60-125	0				
1,1-Dichloroethane	1098	30	1000	0	110	75-125	0				
1,1-Dichloroethene	1116	30	1000	0	112	65-135	0				
1,2-Dichloroethane	1070	30	1000	0	107	70-135	0				
1,2-Dichloropropane	1106	30	1000	0	111	70-120	0				
2-Butanone	1184	200	1000	0	118	30-160	0				
2-Hexanone	1149	30	1000	0	115	45-145	0				
4-Methyl-2-pentanone	1485	30	1000	0	148	45-145	0			S	
Acetone	1236	100	1000	0	124	20-160	0				
Benzene	1091	30	1000	0	109	75-125	0				
Bromodichloromethane	1096	30	1000	0	110	70-130	0				
Bromoform	1072	30	1000	0	107	55-135	0				
Bromomethane	766	75	1000	0	76.6	30-160	0				
Carbon disulfide	1099	30	1000	0	110	45-160	0				
Carbon tetrachloride	950.5	30	1000	0	95	65-135	0				
Chlorobenzene	1102	30	1000	0	110	75-125	0				
Chloroethane	1006	100	1000	0	101	40-155	0				
Chloroform	1094	30	1000	0	109	70-125	0				
Chloromethane	932	100	1000	0	93.2	50-130	0				
cis-1,2-Dichloroethene	1098	30	1000	0	110	65-125	0				
cis-1,3-Dichloropropene	1186	30	1000	0	119	70-125	0				
Dibromochloromethane	963.5	30	1000	0	96.4	65-135	0				
Ethylbenzene	1118	30	1000	0	112	75-125	0				
m,p-Xylene	2150	60	2000	0	107	80-125	0				
Methylene chloride	1102	30	1000	0	110	55-145	0				
o-Xylene	1138	30	1000	0	114	75-125	0				
Styrene	1176	30	1000	0	118	75-125	0				
Tetrachloroethene	1126	30	1000	0	113	64-140	0				
Toluene	1113	30	1000	0	111	70-125	0				
trans-1,2-Dichloroethene	1099	30	1000	0	110	65-135	0				
trans-1,3-Dichloropropene	1066	30	1000	0	107	65-125	0				
Trichloroethene	1122	30	1000	0	112	75-125	0				
Vinyl chloride	791	30	1000	0	79.1	60-125	0				
Xylenes, Total	3288	90	3000	0	110	75-125	0				
Surr: 1,2-Dichloroethane-d4	985	0	1000	0	98.5	70-130	0				
Surr: 4-Bromofluorobenzene	988.5	0	1000	0	98.8	70-130	0				
Surr: Dibromofluoromethane	992.5	0	1000	0	99.2	70-130	0				
Surr: Toluene-d8	1012	0	1000	0	101	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

MS	Sample ID: 13111249-05A MS	Units: µg/Kg						Analysis Date: 11/30/2013 08:08 AM			
Client ID:	Run ID: VMS8_131129B	SeqNo: 2561411		Prep Date: 11/19/2013		DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	985.5	30	1000	0	98.6	70-135	0				
1,1,2,2-Tetrachloroethane	905	30	1000	0	90.5	55-130	0				
1,1,2-Trichloroethane	968	30	1000	0	96.8	60-125	0				
1,1-Dichloroethane	964.5	30	1000	0	96.4	75-125	0				
1,1-Dichloroethene	922.5	30	1000	0	92.2	65-135	0				
1,2-Dichloroethane	1014	30	1000	0	101	70-135	0				
1,2-Dichloropropane	934	30	1000	0	93.4	70-120	0				
2-Butanone	827	200	1000	0	82.7	30-160	0				
2-Hexanone	890.5	30	1000	0	89	45-145	0				
4-Methyl-2-pentanone	1235	30	1000	0	124	45-145	0				
Acetone	995.5	100	1000	0	99.6	20-160	0				
Benzene	923.5	30	1000	0	92.4	75-125	0				
Bromodichloromethane	973	30	1000	0	97.3	70-130	0				
Bromoform	824.5	30	1000	0	82.4	55-135	0				
Bromomethane	966	75	1000	0	96.6	30-160	0				
Carbon disulfide	1018	30	1000	0	102	45-160	0				
Carbon tetrachloride	940	30	1000	0	94	65-135	0				
Chlorobenzene	977	30	1000	0	97.7	75-125	0				
Chloroethane	890.5	100	1000	0	89	40-155	0				
Chloroform	1014	30	1000	0	101	70-125	0				
Chloromethane	789	100	1000	0	78.9	50-130	0				
cis-1,2-Dichloroethene	930.5	30	1000	0	93	65-125	0				
cis-1,3-Dichloropropene	921	30	1000	0	92.1	70-125	0				
Dibromochloromethane	944.5	30	1000	0	94.4	65-135	0				
Ethylbenzene	967	30	1000	0	96.7	75-125	0				
m,p-Xylene	1944	60	2000	0	97.2	80-125	0				
Methylene chloride	921.5	30	1000	0	92.2	55-145	0				
o-Xylene	1026	30	1000	0	103	75-125	0				
Styrene	1000	30	1000	0	100	75-125	0				
Tetrachloroethene	999.5	30	1000	0	100	64-140	0				
Toluene	976	30	1000	0	97.6	70-125	0				
trans-1,2-Dichloroethene	1008	30	1000	0	101	65-135	0				
trans-1,3-Dichloropropene	929	30	1000	0	92.9	65-125	0				
Trichloroethene	931	30	1000	0	93.1	75-125	0				
Vinyl chloride	718	30	1000	0	71.8	60-125	0				
Xylenes, Total	2970	90	3000	0	99	75-125	0				
Surr: 1,2-Dichloroethane-d4	1039	0	1000	0	104	70-130	0				
Surr: 4-Bromofluorobenzene	1008	0	1000	0	101	70-130	0				
Surr: Dibromofluoromethane	1023	0	1000	0	102	70-130	0				
Surr: Toluene-d8	1002	0	1000	0	100	70-130	0				

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53716 Instrument ID VMS5 Method: SW8260B

MSD	Sample ID: 13111249-05A MSD			Units: µg/Kg			Analysis Date: 11/30/2013 08:33 AM			
Client ID:	Run ID: VMS8_131129B			SeqNo: 2561412			Prep Date: 11/19/2013		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	956.5	30	1000	0	95.6	70-135	985.5	2.99	30	
1,1,2,2-Tetrachloroethane	884.5	30	1000	0	88.4	55-130	905	2.29	30	
1,1,2-Trichloroethane	912	30	1000	0	91.2	60-125	968	5.96	30	
1,1-Dichloroethane	946	30	1000	0	94.6	75-125	964.5	1.94	30	
1,1-Dichloroethene	931	30	1000	0	93.1	65-135	922.5	0.917	30	
1,2-Dichloroethane	960	30	1000	0	96	70-135	1014	5.42	30	
1,2-Dichloropropane	898.5	30	1000	0	89.8	70-120	934	3.87	30	
2-Butanone	802	200	1000	0	80.2	30-160	827	3.07	30	
2-Hexanone	857	30	1000	0	85.7	45-145	890.5	3.83	30	
4-Methyl-2-pentanone	1179	30	1000	0	118	45-145	1235	4.64	30	
Acetone	1033	100	1000	0	103	20-160	995.5	3.7	30	
Benzene	910.5	30	1000	0	91	75-125	923.5	1.42	30	
Bromodichloromethane	945	30	1000	0	94.5	70-130	973	2.92	30	
Bromoform	770.5	30	1000	0	77	55-135	824.5	6.77	30	
Bromomethane	941	75	1000	0	94.1	30-160	966	2.62	30	
Carbon disulfide	996.5	30	1000	0	99.6	45-160	1018	2.13	30	
Carbon tetrachloride	905.5	30	1000	0	90.6	65-135	940	3.74	30	
Chlorobenzene	953	30	1000	0	95.3	75-125	977	2.49	30	
Chloroethane	804.5	100	1000	0	80.4	40-155	890.5	10.1	30	
Chloroform	1010	30	1000	0	101	70-125	1014	0.346	30	
Chloromethane	790.5	100	1000	0	79	50-130	789	0.19	30	
cis-1,2-Dichloroethene	940.5	30	1000	0	94	65-125	930.5	1.07	30	
cis-1,3-Dichloropropene	903.5	30	1000	0	90.4	70-125	921	1.92	30	
Dibromochloromethane	910.5	30	1000	0	91	65-135	944.5	3.67	30	
Ethylbenzene	936.5	30	1000	0	93.6	75-125	967	3.2	30	
m,p-Xylene	1926	60	2000	0	96.3	80-125	1944	0.956	30	
Methylene chloride	931.5	30	1000	0	93.2	55-145	921.5	1.08	30	
o-Xylene	989	30	1000	0	98.9	75-125	1026	3.62	30	
Styrene	989.5	30	1000	0	99	75-125	1000	1.11	30	
Tetrachloroethene	941	30	1000	0	94.1	64-140	999.5	6.03	30	
Toluene	935	30	1000	0	93.5	70-125	976	4.29	30	
trans-1,2-Dichloroethene	968	30	1000	0	96.8	65-135	1008	4	30	
trans-1,3-Dichloropropene	902	30	1000	0	90.2	65-125	929	2.95	30	
Trichloroethene	888	30	1000	0	88.8	75-125	931	4.73	30	
Vinyl chloride	727.5	30	1000	0	72.8	60-125	718	1.31	30	
Xylenes, Total	2914	90	3000	0	97.2	75-125	2970	1.87	30	
Surr: 1,2-Dichloroethane-d4	999	0	1000	0	99.9	70-130	1039	3.93	30	
Surr: 4-Bromofluorobenzene	1018	0	1000	0	102	70-130	1008	0.888	30	
Surr: Dibromofluoromethane	988.5	0	1000	0	98.8	70-130	1023	3.43	30	
Surr: Toluene-d8	1009	0	1000	0	101	70-130	1002	0.696	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Triad Engineering, Inc.  
**Work Order:** 13111254  
**Project:** Johns Manville-Riverside Parcels

## QC BATCH REPORT

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Batch ID: 53716      Instrument ID VMS5      Method: SW8260B

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The following samples were analyzed in this batch:

13111254-01A	13111254-02A	13111254-03A
13111254-04A	13111254-05A	13111254-06A
13111254-07A	13111254-08A	13111254-09A
13111254-10A	13111254-11A	13111254-12A
13111254-13A	13111254-14A	13111254-15A

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

MBLK	Sample ID: MBLK-53717-53717	Units: µg/Kg		Analysis Date: 11/27/2013 04:47 PM						
Client ID:	Run ID: VMS5_131127A	SeqNo: 2559192	Prep Date: 11/19/2013	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2-Dichloroethane	ND	30								
1,2-Dichloropropane	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Benzene	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	75								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Dibromochloromethane	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
Methylene chloride	ND	30								
o-Xylene	ND	30								
Styrene	ND	30								
Tetrachloroethene	ND	30								
Toluene	ND	30								
trans-1,2-Dichloroethene	ND	30								
trans-1,3-Dichloropropene	ND	30								
Trichloroethene	ND	30								
Vinyl chloride	ND	30								
1,2-Dichloroethene, Total	ND	60								
1,3-Dichloropropene, Total	ND	60								
Xylenes, Total	ND	90								
Surr: 1,2-Dichloroethane-d4	993	0	1000	0	99.3	70-130	0			
Surr: 4-Bromofluorobenzene	970	0	1000	0	97	70-130	0			
Surr: Dibromofluoromethane	988.5	0	1000	0	98.8	70-130	0			
Surr: Toluene-d8	993	0	1000	0	99.3	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

LCS		Sample ID: LCS-53717-53717			Units: µg/Kg			Analysis Date: 11/27/2013 03:10 PM		
Client ID:		Run ID: VMS5_131127A			SeqNo:2559190			Prep Date: 11/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1072	30	1000	0	107	70-135	0			
1,1,2,2-Tetrachloroethane	1141	30	1000	0	114	55-130	0			
1,1,2-Trichloroethane	1134	30	1000	0	113	60-125	0			
1,1-Dichloroethane	1050	30	1000	0	105	75-125	0			
1,1-Dichloroethene	1062	30	1000	0	106	65-135	0			
1,2-Dichloroethane	1049	30	1000	0	105	70-135	0			
1,2-Dichloropropane	1082	30	1000	0	108	70-120	0			
2-Butanone	1094	200	1000	0	109	30-160	0			
2-Hexanone	1108	30	1000	0	111	45-145	0			
4-Methyl-2-pentanone	1419	30	1000	0	142	45-145	0			
Acetone	1115	100	1000	0	112	20-160	0			
Benzene	1072	30	1000	0	107	75-125	0			
Bromodichloromethane	1078	30	1000	0	108	70-130	0			
Bromoform	1053	30	1000	0	105	55-135	0			
Bromomethane	775.5	75	1000	0	77.6	30-160	0			
Carbon disulfide	1041	30	1000	0	104	45-160	0			
Carbon tetrachloride	951	30	1000	0	95.1	65-135	0			
Chlorobenzene	1084	30	1000	0	108	75-125	0			
Chloroethane	1013	100	1000	0	101	40-155	0			
Chloroform	1064	30	1000	0	106	70-125	0			
Chloromethane	856.5	100	1000	0	85.6	50-130	0			
cis-1,2-Dichloroethene	1070	30	1000	0	107	65-125	0			
cis-1,3-Dichloropropene	1163	30	1000	0	116	70-125	0			
Dibromochloromethane	959.5	30	1000	0	96	65-135	0			
Ethylbenzene	1115	30	1000	0	112	75-125	0			
m,p-Xylene	2136	60	2000	0	107	80-125	0			
Methylene chloride	1059	30	1000	0	106	55-145	0			
o-Xylene	1129	30	1000	0	113	75-125	0			
Styrene	1160	30	1000	0	116	75-125	0			
Tetrachloroethene	1120	30	1000	0	112	64-140	0			
Toluene	1086	30	1000	0	109	70-125	0			
trans-1,2-Dichloroethene	1076	30	1000	0	108	65-135	0			
trans-1,3-Dichloropropene	1054	30	1000	0	105	65-125	0			
Trichloroethene	1094	30	1000	0	109	75-125	0			
Vinyl chloride	780.5	30	1000	0	78	60-125	0			
Xylenes, Total	3264	90	3000	0	109	75-125	0			
Surr: 1,2-Dichloroethane-d4	979.5	0	1000	0	98	70-130	0			
Surr: 4-Bromofluorobenzene	1003	0	1000	0	100	70-130	0			
Surr: Dibromofluoromethane	996	0	1000	0	99.6	70-130	0			
Surr: Toluene-d8	1014	0	1000	0	101	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

MS		Sample ID: 13111249-06A MS			Units: µg/Kg			Analysis Date: 11/28/2013 12:51 PM		
Client ID:		Run ID: VMS8_131127B			SeqNo: 2559187			Prep Date: 11/19/2013		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	967.5	30	1000	0	96.8	70-135	0			
1,1,2,2-Tetrachloroethane	883.5	30	1000	0	88.4	55-130	0			
1,1,2-Trichloroethane	975.5	30	1000	0	97.6	60-125	0			
1,1-Dichloroethane	980.5	30	1000	0	98	75-125	0			
1,1-Dichloroethene	993	30	1000	0	99.3	65-135	0			
1,2-Dichloroethane	1048	30	1000	0	105	70-135	0			
1,2-Dichloropropane	955.5	30	1000	0	95.6	70-120	0			
2-Butanone	934	200	1000	0	93.4	30-160	0			
2-Hexanone	1019	30	1000	0	102	45-145	0			
4-Methyl-2-pentanone	1450	30	1000	0	145	45-145	0			S
Acetone	1112	100	1000	0	111	20-160	0			
Benzene	946.5	30	1000	0	94.6	75-125	0			
Bromodichloromethane	948.5	30	1000	0	94.8	70-130	0			
Bromoform	799	30	1000	0	79.9	55-135	0			
Bromomethane	799.5	75	1000	0	80	30-160	0			
Carbon disulfide	1049	30	1000	0	105	45-160	0			
Carbon tetrachloride	947	30	1000	0	94.7	65-135	0			
Chlorobenzene	973.5	30	1000	0	97.4	75-125	0			
Chloroethane	851	100	1000	0	85.1	40-155	0			
Chloroform	989.5	30	1000	0	99	70-125	0			
Chloromethane	811	100	1000	0	81.1	50-130	0			
cis-1,2-Dichloroethene	977	30	1000	0	97.7	65-125	0			
cis-1,3-Dichloropropene	942.5	30	1000	0	94.2	70-125	0			
Dibromochloromethane	930	30	1000	0	93	65-135	0			
Ethylbenzene	982	30	1000	0	98.2	75-125	0			
m,p-Xylene	1950	60	2000	0	97.5	80-125	0			
Methylene chloride	996.5	30	1000	0	99.6	55-145	0			
o-Xylene	1012	30	1000	0	101	75-125	0			
Styrene	992.5	30	1000	0	99.2	75-125	0			
Tetrachloroethene	1000	30	1000	0	100	64-140	0			
Toluene	977	30	1000	0	97.7	70-125	0			
trans-1,2-Dichloroethene	1028	30	1000	0	103	65-135	0			
trans-1,3-Dichloropropene	962	30	1000	0	96.2	65-125	0			
Trichloroethene	944.5	30	1000	0	94.4	75-125	0			
Vinyl chloride	753.5	30	1000	0	75.4	60-125	0			
Xylenes, Total	2962	90	3000	0	98.7	75-125	0			
Surr: 1,2-Dichloroethane-d4	1048	0	1000	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	990.5	0	1000	0	99	70-130	0			
Surr: Dibromofluoromethane	987.5	0	1000	0	98.8	70-130	0			
Surr: Toluene-d8	1026	0	1000	0	103	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

**QC BATCH REPORT**

Batch ID: 53717 Instrument ID VMS5 Method: SW8260B

MSD	Sample ID: 13111249-06A MSD	Units: µg/Kg					Analysis Date: 11/28/2013 01:16 PM				
Client ID:	Run ID: VMS8_131127B	SeqNo: 2559188			Prep Date: 11/19/2013		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	971	30	1000	0	97.1	70-135	967.5	0.361	30		
1,1,2,2-Tetrachloroethane	994	30	1000	0	99.4	55-130	883.5	11.8	30		
1,1,2-Trichloroethane	993.5	30	1000	0	99.4	60-125	975.5	1.83	30		
1,1-Dichloroethane	974	30	1000	0	97.4	75-125	980.5	0.665	30		
1,1-Dichloroethene	1005	30	1000	0	100	65-135	993	1.2	30		
1,2-Dichloroethane	1034	30	1000	0	103	70-135	1048	1.25	30		
1,2-Dichloropropane	945	30	1000	0	94.5	70-120	955.5	1.1	30		
2-Butanone	980.5	200	1000	0	98	30-160	934	4.86	30		
2-Hexanone	1103	30	1000	0	110	45-145	1019	7.92	30		
4-Methyl-2-pentanone	1538	30	1000	0	154	45-145	1450	5.89	30	S	
Acetone	1224	100	1000	0	122	20-160	1112	9.58	30		
Benzene	949.5	30	1000	0	95	75-125	946.5	0.316	30		
Bromodichloromethane	944	30	1000	0	94.4	70-130	948.5	0.476	30		
Bromoform	868	30	1000	0	86.8	55-135	799	8.28	30		
Bromomethane	772	75	1000	0	77.2	30-160	799.5	3.5	30		
Carbon disulfide	929	30	1000	0	92.9	45-160	1049	12.1	30		
Carbon tetrachloride	925	30	1000	0	92.5	65-135	947	2.35	30		
Chlorobenzene	991	30	1000	0	99.1	75-125	973.5	1.78	30		
Chloroethane	696	100	1000	0	69.6	40-155	851	20	30		
Chloroform	980.5	30	1000	0	98	70-125	989.5	0.914	30		
Chloromethane	828.5	100	1000	0	82.8	50-130	811	2.13	30		
cis-1,2-Dichloroethene	971	30	1000	0	97.1	65-125	977	0.616	30		
cis-1,3-Dichloropropene	925	30	1000	0	92.5	70-125	942.5	1.87	30		
Dibromochloromethane	960.5	30	1000	0	96	65-135	930	3.23	30		
Ethylbenzene	993.5	30	1000	0	99.4	75-125	982	1.16	30		
m,p-Xylene	1994	60	2000	0	99.7	80-125	1950	2.23	30		
Methylene chloride	992.5	30	1000	0	99.2	55-145	996.5	0.402	30		
o-Xylene	1031	30	1000	0	103	75-125	1012	1.86	30		
Styrene	1032	30	1000	0	103	75-125	992.5	3.85	30		
Tetrachloroethene	1017	30	1000	0	102	64-140	1000	1.64	30		
Toluene	965.5	30	1000	0	96.6	70-125	977	1.18	30		
trans-1,2-Dichloroethene	980.5	30	1000	0	98	65-135	1028	4.78	30		
trans-1,3-Dichloropropene	958	30	1000	0	95.8	65-125	962	0.417	30		
Trichloroethene	900.5	30	1000	0	90	75-125	944.5	4.77	30		
Vinyl chloride	726.5	30	1000	0	72.6	60-125	753.5	3.65	30		
Xylenes, Total	3025	90	3000	0	101	75-125	2962	2.1	30		
Surr: 1,2-Dichloroethane-d4	1092	0	1000	0	109	70-130	1048	4.07	30		
Surr: 4-Bromofluorobenzene	999.5	0	1000	0	100	70-130	990.5	0.905	30		
Surr: Dibromofluoromethane	1032	0	1000	0	103	70-130	987.5	4.41	30		
Surr: Toluene-d8	1034	0	1000	0	103	70-130	1026	0.825	30		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Triad Engineering, Inc.  
**Work Order:** 13111254  
**Project:** Johns Manville-Riverside Parcels

## QC BATCH REPORT

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Batch ID: 53717      Instrument ID VMS5      Method: SW8260B

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The following samples were analyzed in this batch:

13111254-16A	13111254-17A	13111254-18A
13111254-19A	13111254-20A	13111254-21A
13111254-22A	13111254-23A	13111254-24A
13111254-25A	13111254-26A	13111254-27A

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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

MBLK	Sample ID: VBLKW2-131129-R131534	Units: µg/L		Analysis Date: 11/30/2013 12:03 PM						
Client ID:	Run ID: VMS8_131129B	SeqNo: 2561388	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	2.0								
2-Butanone	ND	5.0								
2-Hexanone	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	20								
Benzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								
Carbon disulfide	ND	2.5								
Carbon tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	1.0								
Chloroform	ND	1.0								
Chloromethane	ND	1.0								
cis-1,2-Dichloroethene	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
Dibromochloromethane	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
Methylene chloride	ND	5.0								
o-Xylene	ND	1.0								
Styrene	ND	1.0								
Tetrachloroethene	ND	2.0								
Toluene	ND	1.0								
trans-1,2-Dichloroethene	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
Trichloroethene	ND	1.0								
Vinyl chloride	ND	1.0								
1,2-Dichloroethene, Total	ND	2.0								
1,3-Dichloropropene, Total	ND	2.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	20.6	0	20	0	103	70-120		0		
Surr: 4-Bromofluorobenzene	19.5	0	20	0	97.5	75-120		0		
Surr: Dibromofluoromethane	19.8	0	20	0	99	85-115		0		
Surr: Toluene-d8	18.45	0	20	0	92.2	85-120		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

LCS		Sample ID: VLCSW2-131129-R131534				Units: µg/L		Analysis Date: 11/29/2013 10:51 PM			
Client ID:		Run ID: VMS8_131129B				SeqNo: 2561377		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	20.6	1.0	20	0	103	65-130	0				
1,1,2,2-Tetrachloroethane	20.57	1.0	20	0	103	65-130	0				
1,1,2-Trichloroethane	23.47	1.0	20	0	117	75-125	0				
1,1-Dichloroethane	20.63	1.0	20	0	103	70-135	0				
1,1-Dichloroethene	17.37	1.0	20	0	86.8	70-130	0				
1,2-Dichloroethane	21.85	1.0	20	0	109	70-130	0				
1,2-Dichloropropane	17.87	2.0	20	0	89.4	75-125	0				
2-Butanone	23.11	5.0	20	0	116	30-150	0				
2-Hexanone	23.57	5.0	20	0	118	55-130	0				
4-Methyl-2-pentanone	39.97	5.0	20	0	200	60-135	0			S	
Acetone	20.67	20	20	0	103	40-140	0				
Benzene	20.04	1.0	20	0	100	80-120	0				
Bromodichloromethane	20.42	1.0	20	0	102	75-120	0				
Bromoform	18.66	1.0	20	0	93.3	70-130	0				
Bromomethane	18.61	1.0	20	0	93	30-145	0				
Carbon disulfide	19.47	2.5	20	0	97.4	35-165	0				
Carbon tetrachloride	20.06	1.0	20	0	100	65-140	0				
Chlorobenzene	19.64	1.0	20	0	98.2	80-120	0				
Chloroethane	18.21	1.0	20	0	91	60-135	0				
Chloroform	21.16	1.0	20	0	106	65-135	0				
Chloromethane	15.42	1.0	20	0	77.1	70-125	0				
cis-1,2-Dichloroethene	20.89	1.0	20	0	104	70-125	0				
cis-1,3-Dichloropropene	20.76	1.0	20	0	104	70-130	0				
Dibromochloromethane	20.36	1.0	20	0	102	60-135	0				
Ethylbenzene	19.35	1.0	20	0	96.8	75-125	0				
m,p-Xylene	39.38	2.0	40	0	98.4	75-130	0				
Methylene chloride	21.49	5.0	20	0	107	55-140	0				
o-Xylene	20.33	1.0	20	0	102	80-120	0				
Styrene	20.73	1.0	20	0	104	65-135	0				
Tetrachloroethene	21.79	2.0	20	0	109	45-150	0				
Toluene	23.79	1.0	20	0	119	75-120	0				
trans-1,2-Dichloroethene	21.83	1.0	20	0	109	60-140	0				
trans-1,3-Dichloropropene	24.47	1.0	20	0	122	55-140	0				
Trichloroethene	16.74	1.0	20	0	83.7	70-125	0				
Vinyl chloride	14.13	1.0	20	0	70.6	50-145	0				
Xylenes, Total	59.71	3.0	60	0	99.5	75-130	0				
Surr: 1,2-Dichloroethane-d4	22.74	0	20	0	114	70-120	0				
Surr: 4-Bromofluorobenzene	20.43	0	20	0	102	75-120	0				
Surr: Dibromofluoromethane	20.32	0	20	0	102	85-115	0				
Surr: Toluene-d8	24.41	0	20	0	122	85-120	0			S	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

MS		Sample ID: 13111249-07A MS				Units: µg/L		Analysis Date: 11/30/2013 08:57 AM			
Client ID:		Run ID: VMS8_131129B				SeqNo: 2561384		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Vai	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	19.05	1.0	20	0	95.2	65-130	0	0			
1,1,2,2-Tetrachloroethane	15.99	1.0	20	0	80	65-130	0	0			
1,1,2-Trichloroethane	16.71	1.0	20	0	83.6	75-125	0	0			
1,1-Dichloroethane	18.04	1.0	20	0	90.2	70-135	0	0			
1,1-Dichloroethene	19.19	1.0	20	0	96	70-130	0	0			
1,2-Dichloroethane	17.43	1.0	20	0	87.2	70-130	0	0			
1,2-Dichloropropane	16.9	2.0	20	0	84.5	75-125	0	0			
2-Butanone	16.94	5.0	20	0	84.7	30-150	0	0			
2-Hexanone	16	5.0	20	0	80	55-130	0	0			
4-Methyl-2-pentanone	21.78	5.0	20	0	109	60-135	0	0			
Acetone	22.45	20	20	0	112	40-140	0	0			
Benzene	17.71	1.0	20	0	88.6	80-120	0	0			
Bromodichloromethane	17.38	1.0	20	0	86.9	75-120	0	0			
Bromoform	13.83	1.0	20	0	69.2	70-130	0	0		S	
Bromomethane	21.14	1.0	20	0	106	30-145	0	0			
Carbon disulfide	20.32	2.5	20	0	102	35-165	0	0			
Carbon tetrachloride	18.84	1.0	20	0	94.2	65-140	0	0			
Chlorobenzene	18.04	1.0	20	0	90.2	80-120	0	0			
Chloroethane	27.75	1.0	20	0	139	60-135	0	0		S	
Chloroform	18.84	1.0	20	0	94.2	65-135	0	0			
Chloromethane	16.33	1.0	20	0	81.6	70-125	0	0			
cis-1,2-Dichloroethene	17.83	1.0	20	0	89.2	70-125	0	0			
cis-1,3-Dichloropropene	16.86	1.0	20	0	84.3	70-130	0	0			
Dibromochloromethane	16.62	1.0	20	0	83.1	60-135	0	0			
Ethylbenzene	17.98	1.0	20	0	89.9	75-125	0	0			
m,p-Xylene	35.91	2.0	40	0	89.8	75-130	0	0			
Methylene chloride	17.49	5.0	20	0	87.4	55-140	0	0			
o-Xylene	18.34	1.0	20	0	91.7	80-120	0	0			
Styrene	18.04	1.0	20	0	90.2	65-135	0	0			
Tetrachloroethene	17.22	2.0	20	0	86.1	45-150	0	0			
Toluene	18.13	1.0	20	0	90.6	75-120	0	0			
trans-1,2-Dichloroethene	18.59	1.0	20	0	93	60-140	0	0			
trans-1,3-Dichloropropene	17.03	1.0	20	0	85.2	55-140	0	0			
Trichloroethene	17.26	1.0	20	0	86.3	70-125	0	0			
Vinyl chloride	15.95	1.0	20	0	79.8	50-145	0	0			
Xylenes, Total	54.25	3.0	60	0	90.4	75-130	0	0			
Surr: 1,2-Dichloroethane-d4	20.61	0	20	0	103	70-120	0	0			
Surr: 4-Bromofluorobenzene	20.09	0	20	0	100	75-120	0	0			
Surr: Dibromofluoromethane	19.99	0	20	0	100	85-115	0	0			
Surr: Toluene-d8	20.31	0	20	0	102	85-120	0	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131534 Instrument ID VMS8 Method: SW8260

MSD		Sample ID: 13111249-07A MSD				Units: µg/L		Analysis Date: 11/30/2013 09:21 AM			
Client ID:		Run ID: VMS8_131129B				SeqNo:2561385		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,1,1-Trichloroethane	18.93	1.0	20	0	94.6	65-130	19.05	0.632	30		
1,1,2,2-Tetrachloroethane	16.89	1.0	20	0	84.4	65-130	15.99	5.47	30		
1,1,2-Trichloroethane	17.13	1.0	20	0	85.6	75-125	16.71	2.48	30		
1,1-Dichloroethane	18.19	1.0	20	0	91	70-135	18.04	0.828	30		
1,1-Dichloroethene	18.34	1.0	20	0	91.7	70-130	19.19	4.53	30		
1,2-Dichloroethane	17.71	1.0	20	0	88.6	70-130	17.43	1.59	30		
1,2-Dichloropropane	16.62	2.0	20	0	83.1	75-125	16.9	1.67	30		
2-Butanone	18.18	5.0	20	0	90.9	30-150	16.94	7.06	30		
2-Hexanone	17.47	5.0	20	0	87.4	55-130	16	8.78	30		
4-Methyl-2-pentanone	24.4	5.0	20	0	122	60-135	21.78	11.3	30		
Acetone	23.8	20	20	0	119	40-140	22.45	5.84	30		
Benzene	17.39	1.0	20	0	87	80-120	17.71	1.82	30		
Bromodichloromethane	17.18	1.0	20	0	85.9	75-120	17.38	1.16	30		
Bromoform	14.74	1.0	20	0	73.7	70-130	13.83	6.37	30		
Bromomethane	22.96	1.0	20	0	115	30-145	21.14	8.25	30		
Carbon disulfide	20.59	2.5	20	0	103	35-165	20.32	1.32	30		
Carbon tetrachloride	18.69	1.0	20	0	93.4	65-140	18.84	0.799	30		
Chlorobenzene	17.71	1.0	20	0	88.6	80-120	18.04	1.85	30		
Chloroethane	22.2	1.0	20	0	111	60-135	27.75	22.2	30		
Chloroform	18.96	1.0	20	0	94.8	65-135	18.84	0.635	30		
Chloromethane	17.08	1.0	20	0	85.4	70-125	16.33	4.49	30		
cis-1,2-Dichloroethene	18.03	1.0	20	0	90.2	70-125	17.83	1.12	30		
cis-1,3-Dichloropropene	16.45	1.0	20	0	82.2	70-130	16.86	2.46	30		
Dibromochloromethane	17.25	1.0	20	0	86.2	60-135	16.62	3.72	30		
Ethylbenzene	17.79	1.0	20	0	89	75-125	17.98	1.06	30		
m,p-Xylene	35.53	2.0	40	0	88.8	75-130	35.91	1.06	30		
Methylene chloride	17.27	5.0	20	0	86.4	55-140	17.49	1.27	30		
o-Xylene	18.08	1.0	20	0	90.4	80-120	18.34	1.43	30		
Styrene	17.75	1.0	20	0	88.8	65-135	18.04	1.62	30		
Tetrachloroethene	17.45	2.0	20	0	87.2	45-150	17.22	1.33	30		
Toluene	18.06	1.0	20	0	90.3	75-120	18.13	0.387	30		
trans-1,2-Dichloroethene	18.68	1.0	20	0	93.4	60-140	18.59	0.483	30		
trans-1,3-Dichloropropene	16.93	1.0	20	0	84.6	55-140	17.03	0.589	30		
Trichloroethene	17.32	1.0	20	0	86.6	70-125	17.26	0.347	30		
Vinyl chloride	15.99	1.0	20	0	80	50-145	15.95	0.25	30		
Xylenes, Total	53.61	3.0	60	0	89.4	75-130	54.25	1.19	30		
Surr: 1,2-Dichloroethane-d4	20.73	0	20	0	104	70-120	20.61	0.581	30		
Surr: 4-Bromofluorobenzene	20.2	0	20	0	101	75-120	20.09	0.546	30		
Surr: Dibromofluoromethane	20.56	0	20	0	103	85-115	19.99	2.81	30		
Surr: Toluene-d8	20.47	0	20	0	102	85-120	20.31	0.785	30		

The following samples were analyzed in this batch: 13111254-28A 13111254-29A 13111254-30A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131352 Instrument ID MOIST Method: A2540 G

MBLK	Sample ID: WBLKS-R131352	Units: % of sample				Analysis Date: 11/26/2013 12:25 PM				
Client ID:	Run ID: MOIST_131126B	SeqNo: 2558915	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS	Sample ID: LCS-R131352	Units: % of sample				Analysis Date: 11/26/2013 12:25 PM				
Client ID:	Run ID: MOIST_131126B	SeqNo: 2558911	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.050	100	0	100	99.5-100.5	0			

DUP	Sample ID: 13111254-01C DUP	Units: % of sample				Analysis Date: 11/26/2013 12:25 PM				
Client ID: SS-2	Run ID: MOIST_131126B	SeqNo: 2558887	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	14.37	0.050	0	0	0	0-0	17.15	17.6	20	

DUP	Sample ID: 13111254-09C DUP	Units: % of sample				Analysis Date: 11/26/2013 12:25 PM				
Client ID: SS-11	Run ID: MOIST_131126B	SeqNo: 2558896	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	11.08	0.050	0	0	0	0-0	11.03	0.452	20	

The following samples were analyzed in this batch:

13111254-01C	13111254-02C	13111254-03C
13111254-04C	13111254-05C	13111254-06C
13111254-07C	13111254-08C	13111254-09C
13111254-10C	13111254-11C	13111254-12C
13111254-13C	13111254-14C	13111254-15C
13111254-16C	13111254-17C	13111254-18C
13111254-19C	13111254-20C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Triad Engineering, Inc.  
 Work Order: 13111254  
 Project: Johns Manville-Riverside Parcels

## QC BATCH REPORT

Batch ID: R131395 Instrument ID MOIST Method: A2540 G

MBLK	Sample ID: WBLKS-R131395	Units: % of sample				Analysis Date: 11/26/2013 03:00 PM				
Client ID:	Run ID: MOIST_131126E	SeqNo: 2558049	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture ND 0.050

DUP	Sample ID: 13111249-04C DUP	Units: % of sample				Analysis Date: 11/26/2013 03:00 PM				
Client ID:	Run ID: MOIST_131126E	SeqNo: 2558019	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 16.2 0.050 0 0 0 0-0 15.85 2.18 20

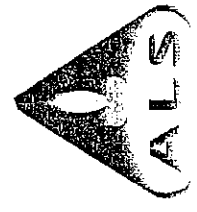
DUP	Sample ID: 13111254-21C DUP	Units: % of sample				Analysis Date: 11/26/2013 03:00 PM				
Client ID: SB-8	Run ID: MOIST_131126E	SeqNo: 2558024	Prep Date:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 18.85 0.050 0 0 0 0-0 19.57 3.75 20

The following samples were analyzed in this batch:

13111254-21C	13111254-22C	13111254-23C
13111254-24C	13111254-25C	13111254-26C
13111254-27C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



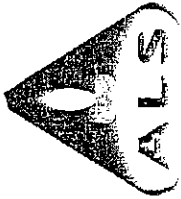
ALS Environmental  
 1740 Union Carbide Drive  
 So. Charleston, WV 25303  
 (Tel) 304.356.3168  
 (Fax) 304.205.6262

Chain of Custody Form  
 Page 2 of 4

ALS Environmental  
 3352 128th Avenue  
 Holland, Michigan 49424  
 (Tel) 616.399.6070  
 (Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager: <u>1211254</u>													
Purchase Order: <u>04-13-0402</u>		Project Name: <u>John's Manville-Riverside Parcels</u>		Parameter/Method: <u>Request for Analysis</u>													
Work Order: <u>04-13-0402</u>		Project Number: <u>04-13-0402</u>		VOC by 8260													
Company Name: <u>Triad Engineering, Inc.</u>		Bill To Company: <u>Triad Engineering, Inc.</u>		PAH 8270 SIM													
Send Report To: <u>Matthew Wright</u>		Invoice Attn: <u>Jamie Stemple</u>		RCRA 8 Metals													
Address: <u>4980 Teays Valley Rd.</u>		Address: <u>219 Hartman Run Rd.</u>															
City/State/Zip: <u>Scott Depot, WV 25560</u>		City/State/Zip: <u>Morgantown, WV 26505</u>															
Phone: <u>304-755-0721</u>		Phone: <u>304-296-2562</u>															
Fax: <u>304-755-1880</u>		Fax: <u>304-296-8739</u>															
e-Mail Address: <u>mwright@triadeng.com</u>		e-Mail Address: <u>jstemple@triadeng.com</u>															
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Boilies	A	B	C	D	E	F	G	H	I	J	Hold
1	SS-2	11/19/2013	1300	soil	7,6,8	5	X	X									
2	SS-4	11/19/2013	1500	soil	7,6,8	5	X	X									
3	SS-5	11/19/2013	1400	soil	7,6,8	5	X	X									
4	SS-6	11/20/2013	1520	soil	7,6,8	5	X	X									
5	SS-7	11/19/2013	1600	soil	7,6,8	5	X	X									
6	SS-8	11/20/2013	1400	soil	7,6,8	5	X	X									
7	SS-9	11/20/2013	1200	soil	7,6,8	5	X	X									
8	SS-10	11/20/2013	1430	soil	7,6,8	5	X	X									
9	SS-11	11/19/2013	1000	soil	7,6,8	5	X	X									
10	SS-12	11/19/2013	1130	soil	7,6,8	5	X	X									

Shipper(s): Please Print & Sign: Bob A. Foster  
 Received by: [Signature] Date: 11/22/13 Time: 15:30  
 Received by (Laboratory): [Signature] Date: 11/22/13 Time: 15:46  
 Checked by (Laboratory): [Signature] Date: 11/22/13 Time: 17:20  
 Logged by (Laboratory): [Signature]  
 Required Turnaround Time: (Check Box)  
 1-3 Wk Days  5 Wk Days  10 Wk Days  24 Hour  
 Results Due Date: 11/26/13  
 QC Package: (Check Box Below)  
 Level II: Standard QC  Level III: Raw Data  
 TRRP LRC  TRRP Level IV  
 Level IV: SW846 Methods/CLP like  Other:  
 Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C  
 Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.  
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# Chain of Custody Form

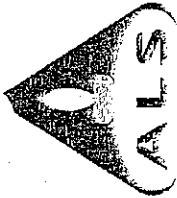
Page 3 of 4

ALS Environmental  
3352 128th Avenue  
Holland, Michigan 49424  
(Tel) 616.399.6070  
(Fax) 616.399.6185

Customer Information		Project Information		ALS Project Manager:		ALS Work Order #:												
Purchase Order: 04-13-0402	Project Name: John's Manville-Riverside Parcels	Parameter/Method Request for Analysis		VOC by 8260		1311254												
Work Order:	Project Number: 04-13-0402	Bill To Company: Triad Engineering, Inc.		PAH 8270 SIM														
Company Name: Triad Engineering, Inc.	Invoice Attn: Jamie Stemple	Address: 219 Hartman Run Rd.		RCRA 8 Metals														
Send Report To: Matthew Wright	City/State/Zip: Morgantown, WV 26505	Phone: 304-296-2562																
Address: 4980 Teays Valley Rd.	Phone: 304-755-0721	Fax: 304-296-8739																
City/State/Zip: Scott Depot, WV 25560	e-Mail Address: mwright@triadeng.com	jstemple@triadeng.com																
Phone: 304-755-0721	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Benfltes	A	B	C	D	E	F	G	H	I	J	Hold	
Fax: 304-755-1880	1 SS-13	11/19/2013	1100	soil	7,6,8	5	X	X	X									
	2 SS-14	11/20/2013	1020	soil	7,6,8	5	X	X	X									
	3 SS-15	11/20/2013	1100	soil	7,6,8	5	X	X	X									
	4 SS-16	11/20/2013	1500	soil	7,6,8	5	X	X	X									
	5 SB-2	11/19/2013	1300	soil	7,6,8	5	X	X	X									
	6 SB-3	11/20/2013	930	soil	7,6,8	5	X	X	X									
	7 SB-4	11/19/2013	1500	soil	7,6,8	5	X	X	X									
	8 SB-5	11/19/2013	1400	soil	7,6,8	5	X	X	X									
	9 SB-6	11/20/2013	1535	soil	7,6,8	5	X	X	X									
	10 SB-7	11/19/2013	1600	soil	7,6,8	5	X	X	X									
Sample(s): Please Print & Sign	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:															
Received by: <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>	Received by (Laboratory): <i>[Signature]</i>										
Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13										
Time: 15:30	Time: 15:46	Time: 15:46	Time: 15:46	Time: 15:46	Time: 15:46	Time: 15:46	Time: 15:46	Time: 15:46										
Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>	Relinquished by: <i>[Signature]</i>										
Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13										
Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20										
Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>	Logged by (Laboratory): <i>[Signature]</i>										
Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13	Date: 11/22/13										
Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20	Time: 17:20										
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C	QC Package: (Check Box Below)	Level II: Standard QC	Level III: Raw Data	TRRP LRC	Level IV: SW846 Methods/CLP Ilka	Other:												
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
	10 Wk Days	5 Wk Days	3 Wk Days	2 Wk Days	24 Hour													
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>													
	Time:	Date:	Time:	Date:	Time:	Date:	Time:	Date:										
	15:30	11/22/13	15:46	11/22/13	15:46	11/22/13	15:46	11/22/13										
	17:20	11/22/13	17:20	11/22/13	17:20	11/22/13	17:20	11/22/13										
	3.2°C																	

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.





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 So. Charleston, WV 25303  
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# Chain of Custody Form

Page 4 of 4

ALS Environmental  
 3352 128th Avenue  
 Holland, Michigan 49424  
 (Tel) 616.399.6070  
 (Fax) 616.399.6185

Customer Information		ALS Project Manager:		ALS Work Order #: <u>1311254</u>													
Project Information		Parameter/Method Request for Analysis															
Purchase Order	04-13-0402	Project Name	John's Manville-Riverside Parcels	A	VOC by 8260												
Work Order		Project Number	04-13-0402	B	PAH 8270 SIM												
Company Name	Triad Engineering, Inc.	Bill To Company	Triad Engineering, Inc.	C	RCRA 8 Metals												
Send Report To	Matthew Wright	Invoice Attn.	Jamie Stemple	D	RCRA 8 Metals (dissolved, field filtered)												
Address	4980 Teays Valley Rd.	Address	219 Hartman Run Rd.	E													
City/State/Zip	Scott Depot, WV 25560	City/State/Zip	Morgantown, WV 26505	F													
Phone	304-755-0721	Phone	304-296-2562	G													
Fax	304-755-1880	Fax	304-296-8739	H													
e-Mail Address	mwright@triadeng.com	e-Mail Address	jstemple@triadeng.com	I													
				J													
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Btles	A	B	C	D	E	F	G	H	I	J	Hold
1	SB-8	11/20/2013	1400	soil	7,6,8	5	x	x	x								
2	SB-9	11/20/2013	1200	soil	7,6,8	5	x	x	x								
3	SB-10	11/20/2013	1430	soil	7,6,8	5	x	x	x								
4	SB-11	11/19/2013	1000	soil	7,6,8	5	x	x	x								
5	SB-13	11/19/2013	1100	soil	7,6,8	5	x	x	x								
6	SB-15	11/20/2013	1100	soil	7,6,8	5	x	x	x								
7	SB-16	11/20/2013	1500	soil	7,6,8	5	x	x	x								
8	IMW-1	11/21/2013	0945	water	1,2,8	6	x	x		x							
9	IMW-3	11/21/2013	1130	water	1,2,8	6	x	x		x							
10	TRIP BLANK	11/21/13															
Shipment Method: <input checked="" type="checkbox"/> 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 3 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour Results Due Date:		Required Turnaround Time: (Check Box) <input type="checkbox"/> Other		Notes:													
Relinquished by:	<i>[Signature]</i>	Date:	11/22/13	Time:	15:30	Received by:	<i>[Signature]</i>	Date:	11/22/13	Time:	15:46	QC Package:	Level II: Standard QC <input checked="" type="checkbox"/> Level III: Raw Data <input type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other: <input type="checkbox"/>				
Relinquished by:	<i>[Signature]</i>	Date:	11/22/13	Time:	17:20	Checked by (Laboratory):	<i>[Signature]</i>	Date:	11/24/13	Time:	13:46	ALS Cooler ID:	3				
Logged by (Laboratory):	<i>[Signature]</i>	Date:	11/22/13	Time:	17:20	ALS Cooler Temp:		TRRP LRC:		SW846 Methods/CLP like:		Other:					
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C		Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.															

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: TRIADENGINEER

Date/Time Received: 22-Nov-13 15:46

Work Order: 13111254

Received by: JAS

Checklist completed by Lanit Smith 25-Nov-13  
eSignature Date

Reviewed by: Rebecca Liser 27-Nov-13  
eSignature Date

Matrices: Soil and Water

Carrier name: Courier

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Sample(s) received on ice? Yes  No
- Temperature(s)/Thermometer(s): 3.0C IR
- Cooler(s)/Kit(s): \_\_\_\_\_
- Date/Time sample(s) sent to storage: \_\_\_\_\_
- Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted
- Water - pH acceptable upon receipt? Yes  No  N/A
- pH adjusted? Yes  No  N/A
- pH adjusted by: \_\_\_\_\_

Login Notes: Received at ALS Holland 11/26/13 10:45 AM - 3,2 c

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Client Contacted: \_\_\_\_\_ Date Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

CorrectiveAction: \_\_\_\_\_