



**Heartland** Environmental Associates, Inc.

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## **FURTHER SITE INVESTIGATION**

**USEPA Community-Wide Brownfields Petroleum Substances Assessment Grant for**

**Assessment of**

**Former Thomson Consumer Electronics / Former Radio Corporation of America / Former**

**General Electric - Sherman Park Facility**

**“Sherman Park Parcel B”**

**Further Site Investigation Project**

**Grantee:**

City of Indianapolis

Attn: Mr. Piers Kirby

200 East Washington Street

Suite 2042

Indianapolis, Indiana 46204

**Prepared by**

HEARTLAND ENVIRONMENTAL ASSOCIATES, INC.

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South Bend, Indiana 46615

October 11, 2017

HEA No. 5145-17-05

***“Your dependable partner for environmental compliance”***

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**For the Site:**

Former Thomson Consumer Electronics / Former Radio Corporation of America /  
Former General Electric – Sherman Park Facility  
“Sherman Park Parcel B”  
3324 East Michigan Street  
Indianapolis, Indiana 46201

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## **1.0 INTRODUCTION**

Within the scope of the United States Environmental Protection Agency (USEPA) Community-Wide Brownfields Assessment Grant for Petroleum Substances to the City of Indianapolis (City), this Further Site Investigation (FSI) is being provided to cover the assessment of the former Thomson Consumer Electronics / former Radio Corporation of America (RCA) / former General Electric (GE) - Sherman Park facility, located at 3324 East Michigan Street in Indianapolis, Indiana, herein referred to as ‘site’. Specifically, this FSI was conducted on the western portion of the former manufacturing facility, historically identified as “Parcel B”.

The City has leveraged its USEPA Community-Wide Brownfields Assessment Grant (Grant #00E01533-0) to facilitate FSI activities at this site. The purpose of the grant is to conduct site assessment to evaluate for the presence/absence of subsurface impacts to soil and/or groundwater related to historic usage of the site as a manufacturing facility. Heartland Environmental Associates, Inc. (Heartland) has prepared this report to document the following activities:

- Soil boring and temporary piezometer installation completed on August 10, 2017; and
- Groundwater Sampling Event completed on August 17, 2017.

Site activities have been completed under the USEPA Community-Wide Brownfields Assessment Grant for Petroleum Substances provided to the City. Site activities were completed in accordance to the pre-approved, site specific Quality Assurance Project Plan (QAPP) and the Sampling and Analysis Plan (SAP) submitted to the USEPA in June 2017 for this project.

The former RCA facility was historically utilized as a manufacturer of electronic components for radios and televisions. “Parcel B” is located in the western portion of the site and consists of vacant land containing graveled areas located on approximately 5.82-acres. This parcel (Parcel #1081431) historically contained two interconnected former industrial buildings encompassing 275,000-square feet of space. The site was originally developed in the mid-1940s and vacated in 2001. The facility operated as part of the larger RCA/Thomson Consumer Electronics facility which additionally owned and operated adjoining parcels to the north, east, west and south. The site was vacated by 2001, and site buildings were razed in 2017.

Prior to demolition activities, the site consisted of two interconnected former industrial buildings totaling approximately 275,000 square feet of space, along with two smaller detached garage buildings located east of the main site buildings, a chiller building located northeast of the main site buildings and a small guard shack building located in the northern portion of the site. Historically, the northernmost industrial building was identified as the “Warehouse Building”, and the southernmost industrial building was identified as the “Southern Office Building”. The site is currently owned by the City. A site location map is provided as Figure 1. A site location map depicting parcel boundaries is provided as Figure 2.

As part of due diligence environmental assessment activities conducted by the City in May 2015 and in October 2016, Heartland completed Phase I Environmental Site Assessments (ESA) at the site. Based on the results of the Phase I ESAs, the following Recognized Environmental Conditions (RECs) were identified:

- According to city directories, Sanborn Maps, aerial photographs and historic documents reviewed, the southern portion of the site historically operated as RCA Manufacturing Company, a manufacturer of electronic components for radios and televisions. The site was developed by RCA by at least the mid-1940s, and operated as RCA from at least the mid-1940s to 1987, when the site began operation as Thomson Consumer Electronics, an electronic and plastics manufacturer. The site operated as Thomson Consumer Electronics through 1995 when the site ceased operations as an electronics and plastics manufacturer and was utilized primarily for storage and warehousing of heavy machinery. The site was vacated by 2001, and remains vacant.

Manufacturing operations conducted at the site included plating operations, paint booths and light and heavy machining operations. The site historically operated several aboveground storage tanks (ASTs) and an 8,000-gallon acid storage tank, located on the exterior of the site east of the main site buildings. These operations incorporated the usage of both hazardous and non-hazardous wastes which included, but were not limited to: flammable liquids and solids, chlorinated solvents, bulk and waste petroleum products, heavy metals and paints.

Subsurface investigations at the site have indicated the presence of extensive impacts to both soil and groundwater due to historic industrial development. Impacts of volatile organic compounds (VOCs), specifically chlorinated volatile organic compounds (CVOCs) in the form of tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethane (1,2-DCA) and 1,1,1-trichloroethane (1,1,1-TCA), along with impacts of total petroleum hydrocarbons (TPHs) and heavy metals in the form of arsenic, cadmium and lead have been encountered throughout the site.

- After the site was vacated, large quantities of abandoned chemical containers, including 250-gallon totes, 55-gallon drums, propane canisters and smaller containers were still present throughout the site buildings. These containers were previously observed to be in poor condition, with evidence of leakage observed. Areas of stained ground and chemical odors in the areas of the containers were identified within the site buildings and throughout the site grounds. Between September 18, 2015 and December 15, 2015, these containers were removed from the site as part of USEPA emergency response activities.
- As part of prior due diligence activities conducted at the site, the site was provided with a Comfort/Site Status Letter from the Indiana Brownfields Program.

As part of this Comfort/Site Status Letter an Environmental Restrictive Covenant (ERC) was

placed on the southern portion of the site identified as “Parcel B” establishing restrictions in site usage due to known environmental impacts. Restrictions placed on “Parcel B” as part of the ERC included limiting future reuse of the property for commercial/industrial purposes, disallowing the installation of groundwater potable wells on the site and restricting the disturbing of subsurface soils at the site. The stipulations within the ERC further constitute a controlled REC for the site. This ERC was recorded for the site in 2012.

An asbestos building inspection and lead based paint (LBP) survey report was conducted by Heartland on June 22, 2016. The results of the inspection indicated ACMs in the form of thermal system insulation (TSI) in the form of pipe wrap and mudded joint insulation wrapping, transite paneling, resilient flooring materials and exterior window caulk were encountered throughout the office/manufacturing building and LBP was encountered in paint covering select surfaces in both the large office/manufacturing building and the warehouse building. These materials were properly abated prior to demolition of the site buildings.

Heartland conducted a Phase II ESA for the site in September 2016. Based on the results of the Phase II ESA, soil impacts exceeding the Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG) Residential Migration to Groundwater Screening Levels (MTGSLs) for select VOCs and polynuclear aromatic hydrocarbons (PAHs) constituents were encountered. Groundwater impacts exceeding IDEM RCG Residential Screening Levels (RSLs) for select VOCs, PAHs and lead were also encountered. A site map depicting historic soil boring locations is provided as Figure 3. A site map depicting historic groundwater flow direction is provided as Figure 4. Site maps depicting historic soil and groundwater analytical are provided in Figures 5 through 10.

In addition to these assessments, the site has been subject to environmental assessment related to the potential migration of chemical impacts onto the site from the neighboring facilities to the northeast and to the south.

Following the Phase II ESA conducted by Heartland, the site buildings were demolished in order to facilitate further large scale environmental assessment and potential remediation at the site. Based on the operational history of the site and surrounding areas as well as the previous Phase II ESA conducted by Heartland, areas of concern were identified in previously inaccessible areas within the building footprint where additional assessment was deemed warranted. Therefore, this FSI was specifically conducted to further characterize and delineate the site for the presence of petroleum and chemical impacts in the areas that were previously not investigated due to access restrictions.

## 2.0 FURTHER SITE INVESTIGATION

### 2.1 Soil Boring and Temporary Piezometer Installation

This FSI included the advancement of 23 soil borings and the sampling of soil and groundwater throughout the site to confirm the presence/absence of chemical impacts to soil and/or groundwater. Due to the limited nature of previously conducted subsurface assessments, this assessment was designed to provide a more comprehensive assessment of the entire site, particularly within the historic building footprint where access was previously limited.

From August 8 through August 10, 2017, Heartland personnel provided oversight for the advancement of 23 direct-push soil borings. The soil borings were advanced to a maximum depth of 36 feet below ground surface (bgs). Heartland contracted with Midway Services, Inc. of Knightstown, Indiana to advance the soil borings. Soil borings were advanced in pre-determined locations in the direct vicinity of the locations as identified in the SAP. A site map depicting soil boring locations is provided as Figure 11.

Soil sample intervals were continuously logged and the soil lithology was described on Heartland boring logs. The soil samples were inspected for indications of chemical impacts, such as staining and odors. The soil samples collected from the borings were continuously screened for soil vapors using a pre-calibrated photo-ionization detector (PID) organic vapor monitor. Soil borings logs are included in Appendix A.

Two (2) soil samples were collected from each of the 23 soil borings for laboratory analysis. Soil samples were collected at the initial encountered subsurface interval and at the interval exhibiting the highest field screening results or at the interval immediately above the first-encountered groundwater saturated zone.

Soil samples were submitted for laboratory analysis of VOCs using USEPA SW-846 Method 8260 and PAHs using USEPA SW-846 Method 8270. The initial encountered subsurface soil interval was additionally submitted for laboratory analysis of Resource, Conservation and Recovery Act (RCRA) 8 metals using USEPA SW-846 Method 6010B/7471. Soil samples submitted for VOC analysis were collected utilizing field sampling method 5035A.

All collected soil samples were placed into laboratory prepared sample containers and stored in a secured, iced cooler (at 4°C). Samples were transported to Pace Analytical Services, Inc. (Pace) in Indianapolis, Indiana and submitted for laboratory analysis under Heartland's chain of custody protocol. Quality assurance/quality control (QA/QC) samples were collected for this sampling event in accordance with the QAPP.

After completion of soil sampling, 22 of the 23 soil borings were subsequently completed with



temporary groundwater piezometers. These temporary groundwater piezometers were installed into the first encountered groundwater aquifer to a depth of approximately 16 feet to 24 feet bgs. After installation, the piezometers were allowed to stabilize for a period of 24 hours prior to sampling. One soil boring (SB-23) was converted into a permanent groundwater monitoring well, for purposes of potential long-term groundwater monitoring, if determined necessary.

## **2.2 Water Level Measurements and Groundwater Flow**

On August 14, 2017, Heartland personnel measured and recorded the static water levels of the temporary groundwater piezometers using a Solinst Instruments Oil/Water Interface Meter. The interface probe was decontaminated between each measurement to help prevent cross-contamination. In addition to the gauging of the temporary piezometers, Heartland personnel surveyed the temporary piezometers to evaluate groundwater flow direction.

Based on the collected static groundwater level measurements, groundwater flow at the site is to the west/northwest. A groundwater flow map is provided as Figure 12 and the water level gauging data is summarized in Table 1.

In addition to static water level gauging, each groundwater sampling location was gauged for the presence of light non-aqueous phase liquids (LNAPLs). Based on the results of the gauging, LNAPLs were not encountered in any of the temporary groundwater piezometers or the permanent groundwater monitoring well.

## **2.3 Groundwater Sampling**

Temporary groundwater piezometers and the permanent groundwater monitoring well were sampled at the site utilizing IDEM accepted low-flow sampling methodology to minimize purged groundwater volumes. Groundwater was pumped at a low-flow rate through a flow cell equipped with a multi-parameter water quality meter to measure water quality parameters. After water quality parameters stabilized, water samples were collected. Groundwater sampling data sheets are provided in Appendix B.

Groundwater samples were submitted for laboratory analysis of VOCs using USEPA SW-846 Method 8260, PAHs using USEPA SW-846 Method 8270 and RCRA 8 metals (total and dissolved) using USEPA SW-846 Method 6010B/7471.

Groundwater samples were collected in laboratory prepared sample containers and placed in a secure, iced cooler (at 4°C). Groundwater samples were delivered to Pace in Indianapolis, Indiana, under Heartland chain-of-custody protocol. QA/QC samples were collected for this sampling event in accordance with the QAPP.

After completion of groundwater sampling, each of the 22 temporary groundwater piezometers were properly abandoned and completed to grade. It should be noted that a groundwater sample could not be collected from soil boring SB-15 due to insufficient generated groundwater. The piezometer was installed to a depth of 16 feet bgs. During groundwater sampling activities, the total depth of the piezometer was recorded at 11.79 feet bgs. It is likely that the slot screen collapsed during installation and allowed the infiltration of sand and silt in the piezometer.

## **2.4 Soil Analytical Results**

### **2.4a Volatile Organic Compounds**

Soil impacts slightly exceeding IDEM RCG MTGSLs for carbon tetrachloride was encountered in one (1) soil boring (SB-12) from a depth of 13 feet to 15 feet bgs. Additionally, impacts of PCE were encountered in two soil borings (SB-22 and SB-23) from a depth of 2 feet to 4 feet bgs exceeding IDEM RCG MTGSLs. Impacts of TCE were encountered in six soil borings (SB-18, SB-19, SB-24, SB-25, SB-27 and SB-29) at both shallow and deeper intervals immediately above the first encountered groundwater saturated zone exceeding IDEM RCG MTGSLs. Impacts of vinyl chloride were encountered in two soil borings (SB-21 and SB-25) slightly exceeding IDEM RCG MTGSLs from depths of 13 feet to 15 feet bgs and 16 feet to 18 feet bgs, respectively. Impacts of 1,1-dichloroethene were encountered in one soil boring (SB-25) from a depth of 16 feet to 18 feet bgs exceeding IDEM RCG MTGSLs.

In addition to these impacts, impacts of TCE were encountered in one soil boring (SB-25) from a depth of 16 feet to 18 feet bgs slightly exceeding IDEM RCG Residential Direct Contact Screening Levels (RDCSLs).

No other VOC impacts were encountered exceeding IDEM RCG MTGSLs or IDEM RCG RDCSLs. VOCs in soil analytical results are summarized in Table 2 and depicted on Figure 13. The laboratory certificate of analysis is included in Appendix C.

### **2.4b Polynuclear Aromatic Hydrocarbons**

Soil impacts exceeding IDEM RCG MTGSLs for naphthalene were encountered in one (1) soil boring (SB-23) from a depth of 2 feet to 4 feet bgs. No other PAH constituent impacts exceeding IDEM RCG MTGSLs or IDEM RCG RDCSLs were encountered.

PAHs in soil analytical results are summarized in Table 3 and depicted on Figure 14. The laboratory certificate of analysis is included in Appendix C.

### **2.4c Metals in Soil**

Soil impacts exceeding IDEM RCG MTGSLs for arsenic were encountered in 19 soil borings

(SB-12, SB-13, SB-15 through SB-20, SB-22, SB-24 through SB-27 and SB-29 through SB-34) from a depth of 2 feet to 4 feet bgs. Furthermore, soil impacts exceeding IDEM RCG MTGSLs for lead were encountered in one soil boring (SB-12) from a depth of 2 feet to 4 feet bgs.

In addition to these impacts, soil impacts exceeding IDEM RCG RDCSLs for arsenic were encountered in eight (8) soil borings (SB-13, SB-15, SB-17, SB-19, SB-20, SB-22, SB-24 and SB-33) from a depth of 2 feet to 4 feet bgs. Lead impacts in soil boring SB-12 were further encountered exceeding IDEM RCG RDCSLs and IDEM RCG Commercial Direct Contact Screening Levels.

No other metal constituent exhibited concentrations exceeding IDEM RCG MTGSLs, IDEM RCG RDCSLs or Commercial Direct Contact Screening Levels. Metals in soil analytical results are summarized in Table 4 and depicted on Figure 15. The laboratory certificate of analysis is included in Appendix C.

## **2.5 Groundwater Analytical Results**

### **2.5a Volatile Organic Compounds**

Groundwater impacts that exceeded IDEM RCG RSLs for carbon tetrachloride were encountered in one soil boring (SB-12). Additionally, groundwater impacts that exceeded IDEM RCG RSLs for 1,1-dichloroethene were encountered in one soil boring (SB-20).

Groundwater impacts for cis-1,2-dichloroethene were encountered in five soil borings (SB-20, SB-21, SB-25, SB-26 and SB-30) and groundwater impacts for TCE were encountered in 11 soil borings (SB-12, SB-16, SB-19 through SB-21, SB-24 through SB-27, SB-31 and SB-32) that exceeded IDEM RCG RSLs. Additionally, groundwater impacts that exceeded IDEM RCG RSLs for vinyl chloride were encountered in four soil borings (SB-18, SB-20, SB-21 and SB-30).

No other VOC impacts were encountered that exceeded IDEM RCG RSLs. VOCs in groundwater analytical results are summarized in Table 5 and depicted on Figure 16. The laboratory certificate of analysis is included in Appendix D.

### **2.5b Polynuclear Aromatic Hydrocarbons**

Groundwater impacts exceeding IDEM RCG RSLs for PAHs were not encountered in any of the soil borings.

PAHs in groundwater analytical results are summarized in Table 6 and depicted on Figure 17. The laboratory certificate of analysis is included in Appendix D.

## **2.5c Metals in Groundwater**

Groundwater impacts exceeding IDEM RCG RSLs for total arsenic were encountered in seven soil borings (SB-12, SB-17, SB-19, SB-20, SB-27, SB-31 and SB-33). Additionally, total barium and total mercury impacts exceeding IDEM RCG RSLs were encountered in soil boring SB-27. Groundwater impacts exceeding IDEM RCG RSLs for total cadmium and total chromium were encountered in two soil borings (SB-17 and SB-27). Groundwater impacts for total lead were encountered in four soil borings (SB-12, SB-17, SB-27 and SB-33) and groundwater impacts for total selenium were encountered in two soil borings (SB-12 and SB-27) that exceeded IDEM RCG RSLs.

Dissolved concentrations of arsenic were encountered three soil borings (SB-27, SB-31 and SB-33) that exceeded IDEM RCG RSLs. No other dissolved concentrations of metals were encountered exceeding laboratory detection limits.

It should be noted that groundwater samples collected were analyzed for both total and dissolved metals. Total metals analysis for water samples include the metals content both dissolved in the water and present in the particulates in the water. Typically, a dissolved metals analysis of a water sample is performed by removing the particulates with a filter and then analyzing the filtered water for metals. The groundwater impacts for total metals constituents that exceeded IDEM RCG RSLs are likely to be biased high due to elevated suspended solids resulting in high turbidity, with the exception of the three soil borings (SB-27, SB-31 and SB-33) with elevated dissolved concentrations of arsenic.

Metals in groundwater analytical results are summarized in Table 7 and depicted on Figure 18. The laboratory certificate of analysis is included in Appendix D.

## **2.6 Quality Assurance/Quality Control**

As part of soil and groundwater sampling activities, Heartland collected QA/QC samples, as outlined in the QAPP. QA/QC samples included field duplicate samples, matrix spike/matrix spike duplicate samples, laboratory trip blanks and field equipment blanks. No data validation concerns were noted for this project.

## **2.7 Waste Disposal**

Both soil cuttings and purged groundwater were containerized in 55-gallon, Department of Transportation approved steel drums. Drums were properly labeled and staged onsite pending disposal with Liquid Waste Removal, Inc. of Greenwood, Indiana.

### 3.0 CONCLUSIONS

Heartland has completed FSI activities that included the advancement of 23 soil borings, the installation of 22 temporary groundwater piezometers and one permanent groundwater monitoring well and the sampling and analysis of soil and groundwater at the site. The objective of this FSI was to further evaluate the site for the presence of petroleum and chemical impacts resulting from historic usage of the site as a manufacturing facility. Due to the limited nature of previously conducted subsurface assessments, this FSI was conducted to provide a more comprehensive evaluation of the entire site.

Based upon the results of this FSI, soil impacts exceeding IDEM RCG MTGSLs for select VOCs, including but not limited to PCE, TCE and vinyl chloride were encountered in 10 soil borings (SB-12, SB-18, SB-19, SB-21 through SB-25, SB-27 and SB-29) at both shallow and intermediate depths located above the first encountered groundwater saturated zone. Additionally, soil impacts exceeding IDEM RCG RDCSLs for TCE were encountered in one soil boring (SB-25) from a depth of 16 feet to 18 feet bgs.

Soil impacts exceeding IDEM RCG MTGSLs for PAHs in the form of naphthalene were encountered in one soil boring (SB-23) from a depth of 2 feet to 4 feet bgs. No other PAH constituents were encountered in soil exceeding IDEM RCG MTGSLs or IDEM RCG RDCSLs.

Soil impacts exceeding IDEM RCG MTGSLs for arsenic were encountered in 19 soil borings (SB-12, SB-13, SB-15 through SB-20, SB-22, SB-24 through SB-27 and SB-29 through SB-34) from a depth of 2 feet to 4 feet bgs. Soil impacts exceeding IDEM RCG RDCSLs for arsenic were further encountered in eight soil borings (SB-13, SB-15, SB-17, SB-19, SB-20, SB-22, SB-24 and SB-33) from a depth of 2 feet to 4 feet bgs.

Furthermore, soil impacts for lead exceeding IDEM RCG MTGSLs and IDEM RCG RDCSLs and Commercial Direct Contact Screening Levels were encountered in one soil boring (SB-12) from a depth of 2 feet to 4 feet bgs. No other metals constituents were encountered in soil exceeding IDEM RCG MTGSLs or IDEM RCG RDCSLs.

Groundwater impacts exceeding IDEM RCG RSLs for select VOCs, including carbon tetrachloride, TCE, 1,1-dichloroethene, cis-1,2-dichloroethene and vinyl chloride were encountered throughout the site. Groundwater impacts exceeding IDEM RCG RSLs for PAHs were not encountered in any of the soil borings.

Groundwater impacts exceeding IDEM RCG RSLs for dissolved arsenic were encountered in the filtered groundwater samples from three (3) soil borings (SB-27, SB-31 and SB-33). LNAPLs were not encountered in any of the temporary groundwater piezometers.

Based on the results of this investigation, it appears that CVOC impacts, likely associated with historic manufacturing operations, are present in both shallow and intermediate soils present above the first encountered groundwater saturated zone and in shallow groundwater at the site. The potential exists that groundwater impacts encountered are attributable to shallow and intermediate soil impacts. The presence of chlorinated solvent breakdown products (cis-1,2-dichloroethene, vinyl chloride) in groundwater is potentially attributable to the degradation of TCE, which was encountered in both soil and groundwater.

In addition to VOC impacts encountered, elevated arsenic was encountered in both soil and groundwater, with impacts of dissolved arsenic encountered in three soil borings (SB-27, SB-31 and SB-33) exceeding IDEM RCG RSLs. The presence of elevated dissolved concentrations in arsenic are potentially attributable to historic onsite manufacturing operations. Elevated total metals concentrations in groundwater, with the exception of arsenic in the three above stated soil borings, are likely attributable to laboratory bias due to elevated turbidity and not a result of direct impact based on historic site operations.

Elevated concentrations of arsenic were encountered in shallow soils at the site. However, a majority of these arsenic concentrations are comparable to the naturally elevated background arsenic concentrations found in City of Indianapolis and Marion County, Indiana soils. Arsenic concentrations were not encountered exceeding IDEM RCG Commercial Direct Contact Screening Levels.

Based on the results of this investigation, chemical impacts to both soil and groundwater are present at the site. Both soil and shallow groundwater impacts appear attributable to historic site usage. Furthermore, based on the calculated groundwater flow direction and a review of historic site investigation reports conducted for the immediately upgradient former RCA facility parcel to the east, the potential exists that, in addition to the shallow groundwater impacts encountered as part of this investigation, that intermediate and deep groundwater impacts are present at the site, migrating from the upgradient source to the east. A review of the *2016 Annual Progress Report* submitted by Tetra Tech, Inc. for the upgradient facility indicates that chlorinated solvent impacts are potentially migrating onto the intermediate and deep aquifers at the site along the northern and eastern boundaries of the site. Based on the groundwater flow direction from the *2016 Annual Progress Report*, the deep aquifer flow direction is toward the north/northwest.

The site is located in a mixed industrial and residential area in Indianapolis, Indiana. Heartland understands that the City of Indianapolis is evaluating the site for potential redevelopment, with the final nature of development yet to be determined. Based on the results of the investigation, additional site investigation is necessary to fully delineate the extent of soil and groundwater impacts. Based on the groundwater flow direction and the presence of chlorinated solvent impacts to shallow groundwater on the southern and western boundaries of the site, additional offsite investigation may be necessary to determine whether onsite impacts are migrating offsite.

It should be noted that the existing ERC implemented serves to mitigate exposure to existing impacts at the site. Direct contact with soil and groundwater and any potential ingestion and inhalation from any residual soil impacts and potential groundwater impact exposure pathways are eliminated through the ERC restriction prohibiting the installation and usage of onsite potable wells and limiting exposure to soils.

Heartland recommends further evaluation of redevelopment alternatives at the site and an evaluation of the potential exposure pathways present to determine whether additional action and potential mitigation is required with regard to these impacts prior to development. Heartland will consult with the City, the USEPA and the IBP to determine proper steps necessary to mitigate encountered impacts.

## **4.0 DISCLAIMER**

This FSI was prepared in accordance with generally accepted principles and practices in the environmental consulting field and in accordance to the pre-approved QAPP and SAP submitted to the USEPA in June 2017. Conclusions and recommendations expressed herein were developed from site evaluation and limited research, and we are not responsible for unrecorded data pertaining to this site. Heartland makes no warranties, expressed or implied, as to the fitness or merchantability of said property for any particular purpose, and we are not responsible for independent conclusions or opinions made by others based on this report.

This investigation was limited to the areas specified on the figures of this report. Heartland is not responsible for the identification of recognized environmental conditions that may be present outside this evaluated area, chemical parameters other than those analyzed for or at depths greater than that to which soil borings were advanced.

Any opinions and/or recommendations presented apply to site conditions existing at the time of performance of services. We are unable to report on or accurately predict events, which may impact the site, following performance of the described services, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we are not authorized to investigate, or conditions not generally recognized as predictable at the time services are performed. Heartland makes no recommendations in regard to the sale, purchase, lease, construction, or other improvements on the subject property.

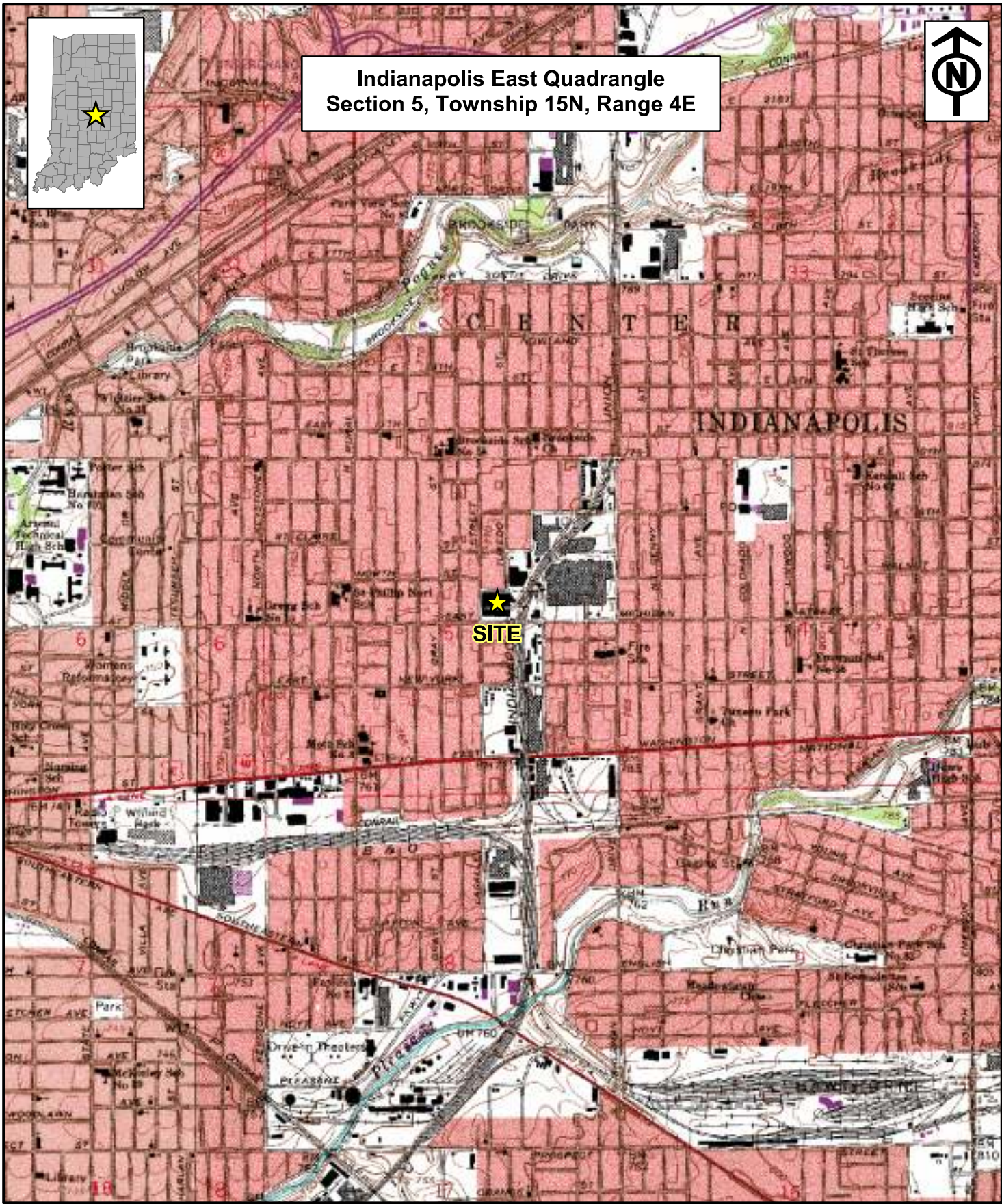
We are not responsible for changes in applicable regulatory standards, practices, or regulations following performance of services.



## **FIGURES**



**Indianapolis East Quadrangle  
Section 5, Township 15N, Range 4E**



Base Map: USGS DRG

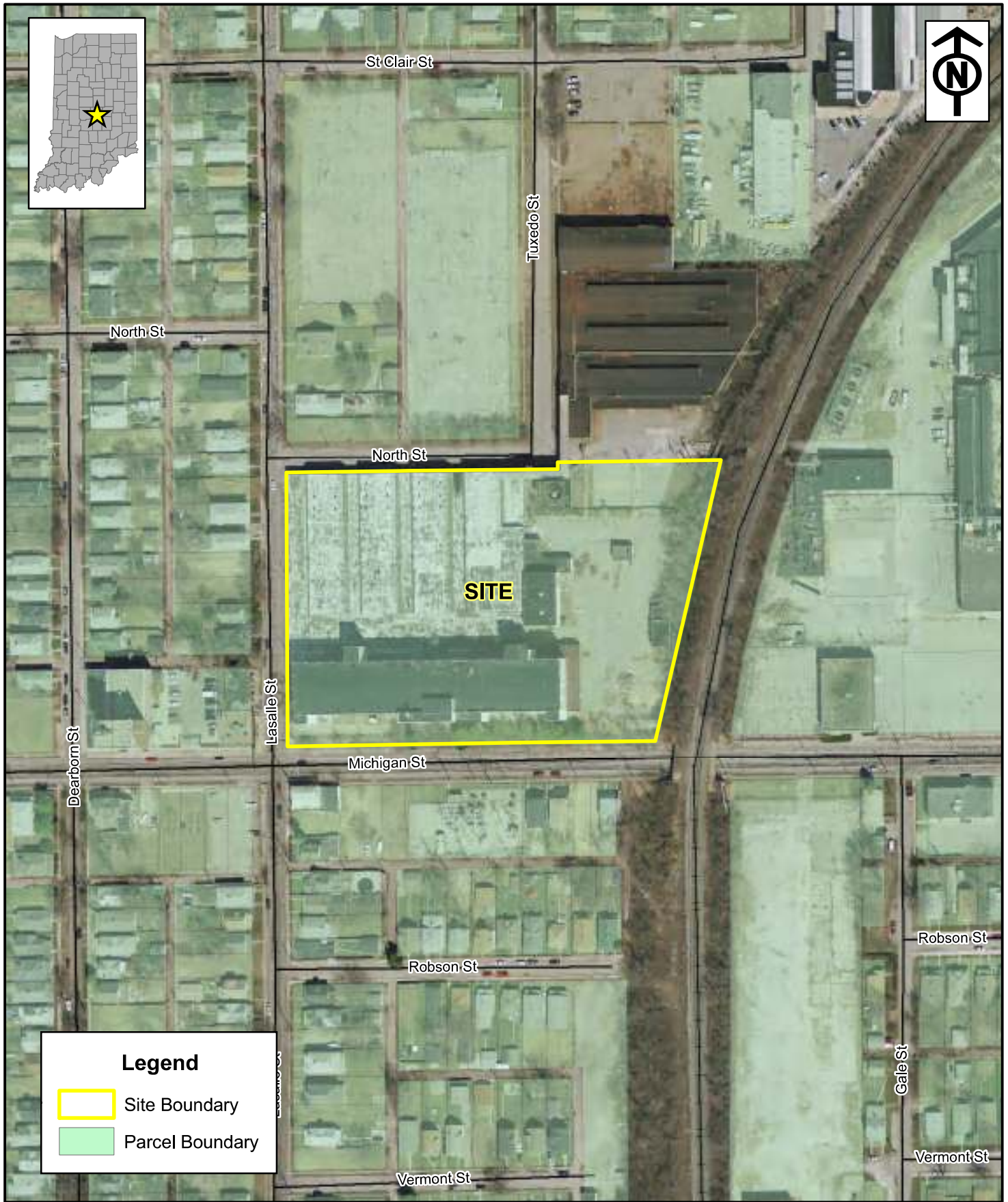


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**Figure 1  
Site Location Map  
Parcel B  
Former Thomson Consumer Electronics / Former RCA / Former GE  
Sherman Park Facility  
3324 East Michigan Street  
Indianapolis, Indiana 46201**

Date:  
10/4/17

1"=200'  
Drawn By:  
RMO



Base Map: 2013 IndianaMap



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**Figure 2**  
**Site Location Map w/Parcel Boundary**  
**Parcel B**  
**Former Thomson Consumer Electronics / Former RCA / Former GE**  
**Sherman Park Facility**  
**3324 East Michigan Street**  
**Indianapolis, Indiana 46201**

Date:  
10/4/17

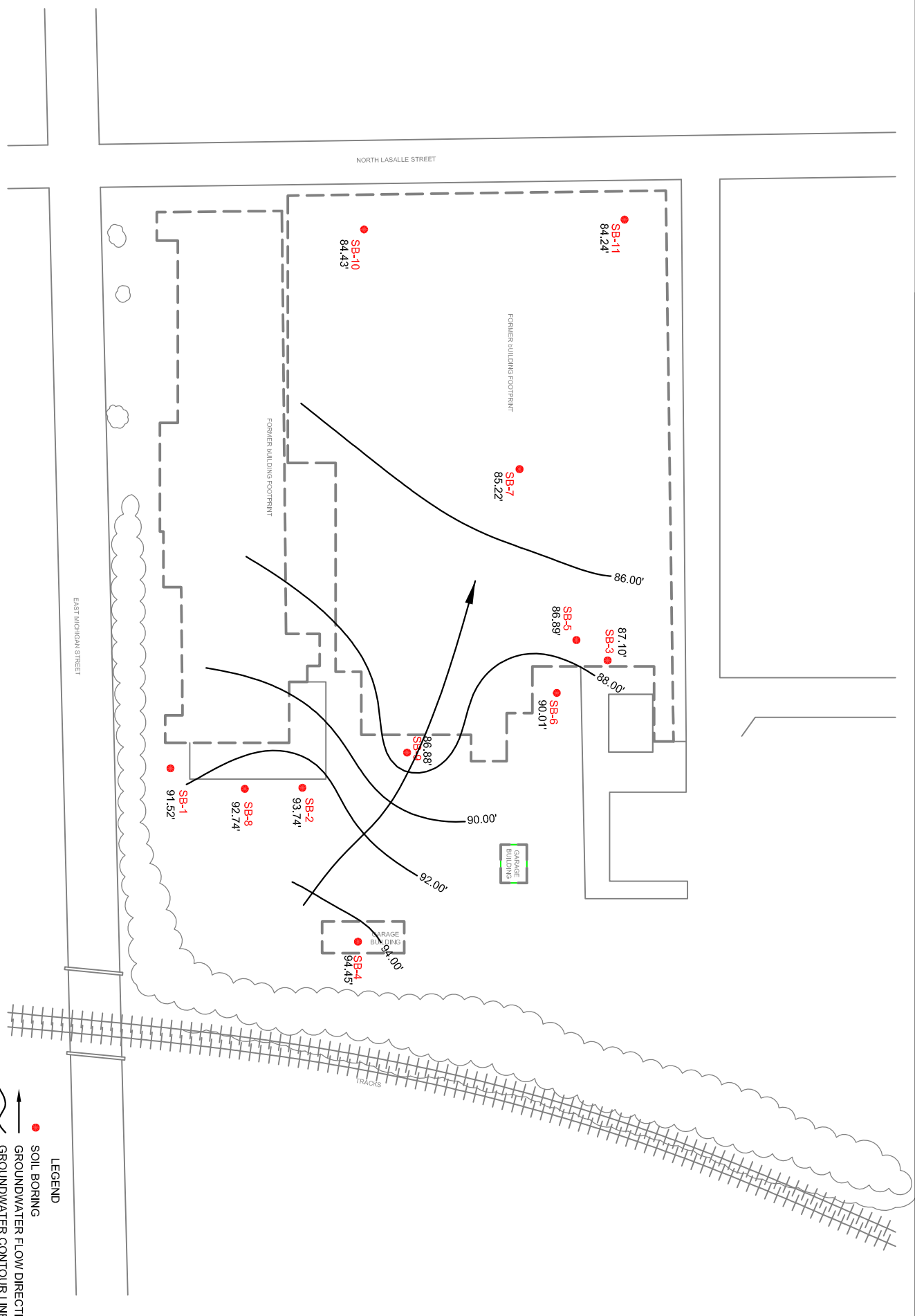
1"=200'  
Drawn By:  
RMO



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**FIGURE 3**  
**HISTORIC SOIL BORING LOCATION MAP**  
**PARCEL B**  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV



**LEGEND**  
 ● SOIL BORING  
 → GROUNDWATER FLOW DIRECTION  
 ~ GROUNDWATER CONTOUR LINE

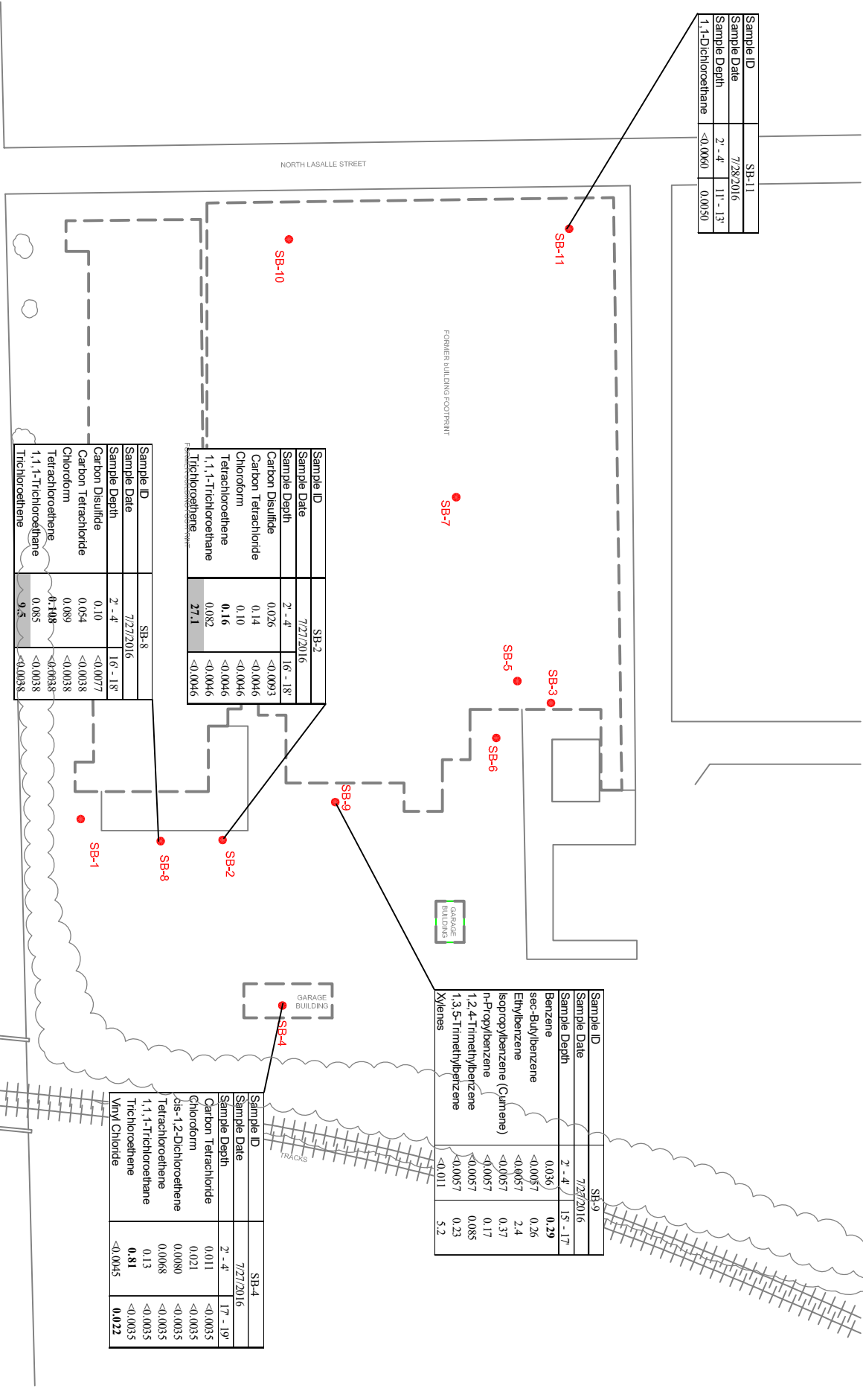


**Heartland Environmental Associates, Inc.**  
 3410 Mishawaka Avenue, South Bend, Indiana 46615

**FIGURE 4**  
**HISTORIC GROUNDWATER FLOW MAP**  
 7/29/16  
**PARCEL B**  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV

Sample ID	SB-11
Sample Date	7/28/2016
Sample Depth	2' - 4' 11' - 13'
1,1-Dichloroethane	<0.0060 0.0050



Sample ID	Sample Date	Sample Depth	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
SB-2	7/27/2016	2' - 4'	0.026	<0.0093	0.14	0.10	0.16	0.082
		16' - 18'	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046

Sample ID	Sample Date	Sample Depth	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene
SB-8	7/27/2016	2' - 4'	0.10	<0.0077	0.054	0.089	6-108	0.085
		16' - 18'	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
		9.5'						

Sample ID	Sample Date	Sample Depth	Benzene	sec-Butylbenzene	Ethylbenzene	Isopropylbenzene (Cumene)	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
SB-9	7/27/2016	2' - 4'	0.036	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011
		15' - 17'	<b>0.29</b>	0.26	2.4	0.37	0.17	0.085	0.23	5.2

Sample ID	Sample Date	Sample Depth	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
SB-4	7/27/2016	2' - 4'	0.011	0.021	0.0080	0.0068	0.13	0.81	<0.0045
		17' - 19'	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<b>0.022</b>

Notes:  
 Values presented in parts per million (ppm) or mg/kg  
 Bold denotes value exceeds IDEM RCG Residential Migration to Groundwater Levels  
 Shaded denotes value exceeds IDEM RCG Residential Direct Contact Screening Level

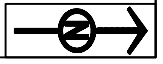


Heartland Environmental Associates, Inc.  
 3410 Mishawaka Avenue, South Bend, Indiana 46615

HISTORIC VOCS IN SOIL ANALYTICAL MAP  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

LEGEND  
 ● SOIL BORING

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV





Sample ID	Sample Date	Sample Depth
SB-11	7/28/16	2' - 4'
SB-11	7/28/16	11' - 13'

Acenaphthylene	<0.0061	0.27
Chrysene	<0.0061	0.30
Fluoranthene	<0.0061	0.81
1-Methylnaphthalene	<0.0061	0.22
2-Methylnaphthalene	<0.0061	0.14
Naphthalene	<0.0061	0.46
Phenanthrene	<0.0061	0.31
Pyrene	<0.0061	0.15

Sample ID	Sample Date	Sample Depth
SB-5	7/27/16	2' - 4'
SB-5	7/27/16	12' - 14'

Acenaphthene	0.011	<0.0053
Anthracene	0.055	<0.0053
Benzo(a)anthracene	0.10	<0.0053
Benzo(a)pyrene	0.049	<0.0053
Benzo(b)fluoranthene	0.063	<0.0053
Benzo(g,h,i)perylene	0.034	<0.0053
Benzo(k)fluoranthene	0.058	<0.0053
Chrysene	0.13	<0.0053
Dibenzo(a,h)anthracene	0.0072	<0.0053
Fluoranthene	0.27	<0.0053
Fluorene	0.0062	<0.0053
Indeno(1,2,3-cd)pyrene	0.029	<0.0053
1-Methylnaphthalene	0.022	<0.0053
2-Methylnaphthalene	0.033	<0.0053
Naphthalene	0.18	<0.0053
Phenanthrene	0.33	<0.0053
Pyrene	0.20	<0.0053

Sample ID	Sample Date	Sample Depth
SB-6	7/27/16	2' - 4'
SB-6	7/27/16	8' - 10'

Anthracene	0.031	0.031
Benzo(a)anthracene	0.095	0.099
Benzo(a)pyrene	0.084	0.075
Benzo(b)fluoranthene	0.11	0.094
Benzo(g,h,i)perylene	0.071	0.061
Benzo(k)fluoranthene	0.077	0.076
Chrysene	0.13	0.15
Dibenzo(a,h)anthracene	0.027	<0.026
Fluoranthene	0.17	0.16
Fluorene	0.057	0.046
Indeno(1,2,3-cd)pyrene	0.11	0.085
Phenanthrene	0.16	0.16
Pyrene	0.16	0.16

Sample ID	Sample Date	Sample Depth
SB-9	7/27/16	2' - 4'
SB-9	7/27/16	15' - 17'

Acenaphthene	0.087	<0.027
Anthracene	0.12	<0.027
Benzo(a)anthracene	0.14	<0.027
Benzo(a)pyrene	0.085	<0.027
Benzo(b)fluoranthene	0.10	<0.027
Benzo(g,h,i)perylene	0.056	<0.027
Benzo(k)fluoranthene	0.085	<0.027
Chrysene	0.36	<0.027
Fluoranthene	0.43	<0.027
Fluorene	0.42	0.13
Indeno(1,2,3-cd)pyrene	0.038	<0.027
1-Methylnaphthalene	0.17	0.44
2-Methylnaphthalene	0.20	0.31
Naphthalene	0.23	0.096
Phenanthrene	0.57	0.65
Pyrene	0.54	0.15

Sample ID	Sample Date	Sample Depth
SB-7	7/27/16	2' - 4'
SB-7	7/27/16	12' - 14'

Acenaphthylene	0.0067	<0.0054
Anthracene	0.043	<0.0054
Benzo(a)anthracene	0.044	<0.0054
Benzo(a)pyrene	0.067	<0.0054
Benzo(b)fluoranthene	0.035	<0.0054
Benzo(g,h,i)perylene	0.035	<0.0054
Benzo(k)fluoranthene	0.024	<0.0054
Chrysene	0.037	<0.0054
Fluoranthene	0.094	<0.0054
Fluorene	0.16	<0.0054
Indeno(1,2,3-cd)pyrene	0.014	<0.0054
1-Methylnaphthalene	0.016	<0.0054
2-Methylnaphthalene	0.077	<0.0054
Naphthalene	0.094	<0.0054
Phenanthrene	0.15	<0.0054
Pyrene	0.27	<0.0054

NORTH LASALLE STREET

SB-10

SB-7

SB-2

SB-9

SB-4

SB-1

SB-8

Sample ID	Sample Date	Sample Depth
SB-2	7/27/16	2' - 4'
SB-2	7/27/16	16' - 18'

Acenaphthylene	0.043	<0.0054
Anthracene	0.044	<0.0054
Benzo(a)anthracene	0.067	<0.0054
Benzo(a)pyrene	0.035	<0.0054
Benzo(b)fluoranthene	0.035	<0.0054
Benzo(g,h,i)perylene	0.024	<0.0054
Benzo(k)fluoranthene	0.037	<0.0054
Chrysene	0.094	<0.0054
Fluoranthene	0.16	<0.0054
Fluorene	0.014	<0.0054
Indeno(1,2,3-cd)pyrene	0.016	<0.0054
1-Methylnaphthalene	0.077	<0.0054
2-Methylnaphthalene	0.094	<0.0054
Naphthalene	0.15	<0.0054
Phenanthrene	0.27	<0.0054
Pyrene	0.13	<0.0054

Sample ID	Sample Date	Sample Depth
SB-1	7/27/16	2' - 4'
SB-1	7/27/16	16' - 18'

Acenaphthene	0.0097	<0.0054
Anthracene	0.0095	<0.0054
Chrysene	0.026	<0.0054
Fluoranthene	0.022	<0.0054
Fluorene	0.022	<0.0054
Indeno(1,2,3-cd)pyrene	0.023	<0.0054
1-Methylnaphthalene	0.0095	<0.0054
2-Methylnaphthalene	0.0095	<0.0054
Naphthalene	0.026	<0.0054
Phenanthrene	0.022	<0.0054
Pyrene	0.023	<0.0054

Notes:  
Values presented in parts per million (ppm) or mg/kg.  
Bold cell denotes value exceeds IDEM RCG Residential Direct Contact Screening Level.

LEGEND  
● SOIL BORING



Heartland Environmental Associates, Inc.  
3410 Mishawaka Avenue, South Bend, Indiana 46615

FIGURE 6  
HISTORIC PAHS IN SOIL ANALYTICAL MAP  
PARCEL B  
FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
SHERMAN PARK FACILITY  
3324 EAST MICHIGAN STREET  
INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
Scale: 1"=100'  
Drawn By: NV



Sample ID	SB-11
Sample Date	7/28/2016
Sample Depth	2' - 4" 11' - 13"
Lead	12.4 3.8

Sample ID	SB-5
Sample Date	7/27/2016
Sample Depth	2' - 4" 12' - 14"
Lead	1.50 4.1

Sample ID	SB-3
Sample Date	7/27/2016
Sample Depth	2' - 4" 12' - 14"
Lead	11.1 5.3

Sample ID	SB-6
Sample Date	7/27/2016
Sample Depth	2' - 4" 8' - 10"
Lead	21.9 10.0

Sample ID	SB-9
Sample Date	7/27/2016
Sample Depth	2' - 4" 15' - 17"
Lead	29.4 5.3

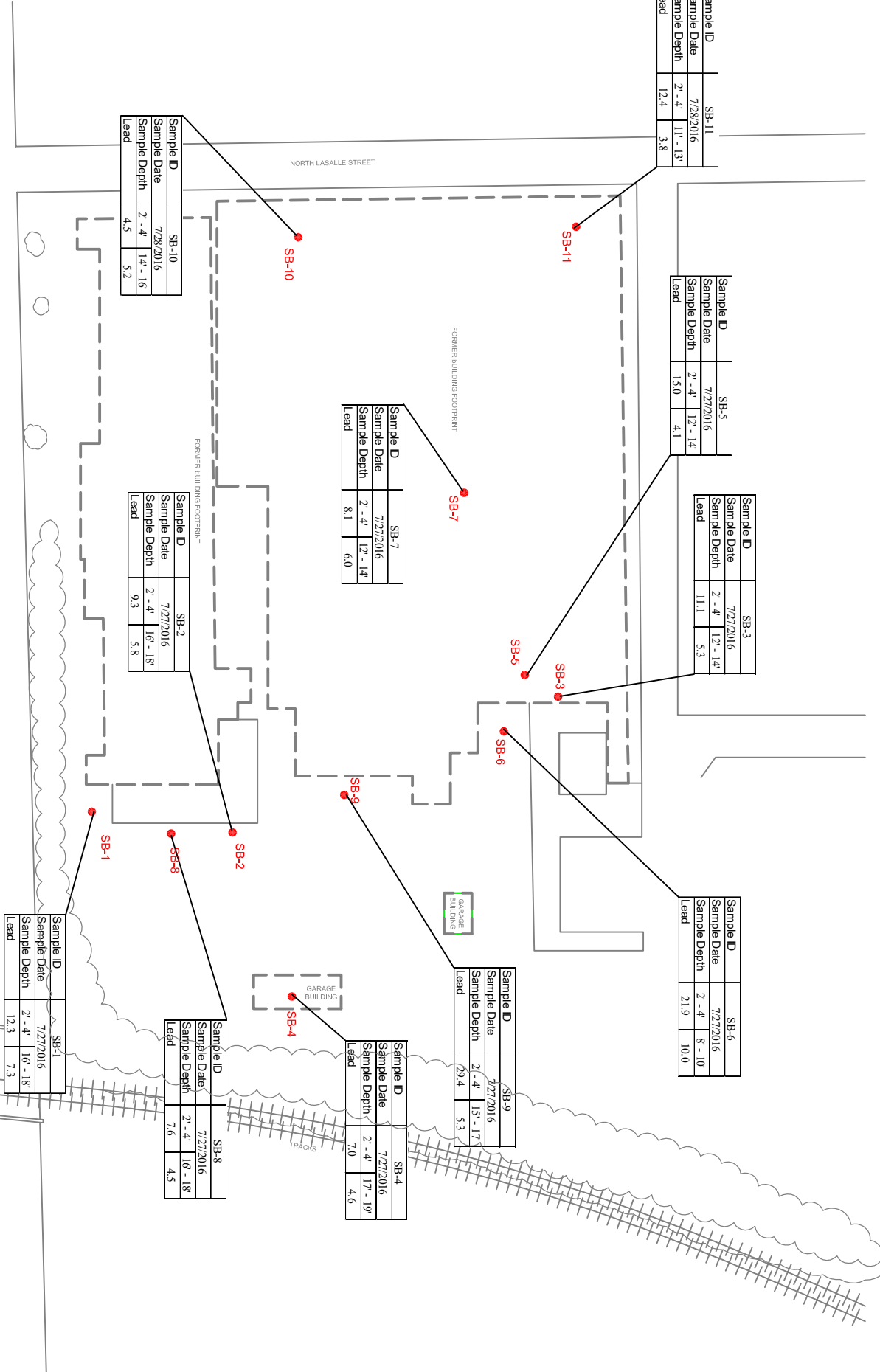
Sample ID	SB-7
Sample Date	7/27/2016
Sample Depth	2' - 4" 12' - 14"
Lead	8.1 6.0

Sample ID	SB-10
Sample Date	7/28/2016
Sample Depth	2' - 4" 14' - 16"
Lead	4.5 5.2

Sample ID	SB-2
Sample Date	7/27/2016
Sample Depth	2' - 4" 16' - 18"
Lead	9.3 5.8

Sample ID	SB-8
Sample Date	7/27/2016
Sample Depth	2' - 4" 16' - 18"
Lead	7.6 4.5

Sample ID	SB-4
Sample Date	7/27/2016
Sample Depth	2' - 4" 17' - 19"
Lead	7.0 4.6



Notes:  
 Values presented in parts per million (ppm) or mg/kg.  
 Bold cell denotes value exceeds IDEM RCG Residential.



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**FIGURE 7**  
**HISTORIC LEAD IN SOIL ANALYTICAL MAP**  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

**LEGEND**  
 ● SOIL BORING

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV



Sample ID	SB-11
Sample Date	7/29/16
cis-1,2-Dichloroethane	44.4
trans-1,2-Dichloroethane	18.8
Trichloroethane	102
Vinyl Chloride	20.2

Sample ID	SB-3
Sample Date	7/29/16
1,1,1-Trichloroethane	26.2
Trichloroethane	6.0

Sample ID	SB-5
Sample Date	7/29/16
Trichloroethane	5.5

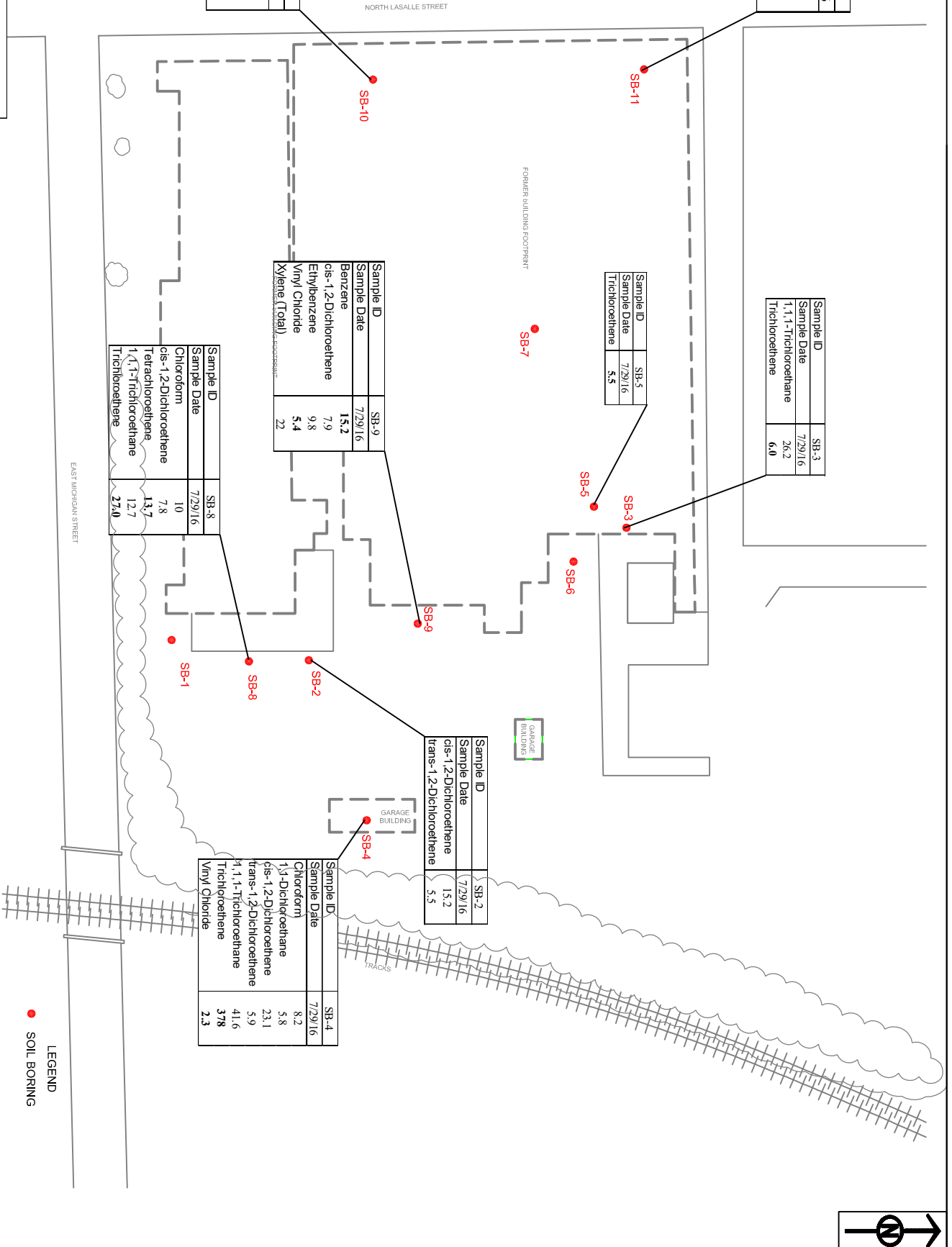
Sample ID	SB-9
Sample Date	7/29/16
Benzene	15.2
cis-1,2-Dichloroethane	7.9
Ethylbenzene	9.8
Vinyl Chloride	5.4
Xylene (Total)	22

Sample ID	SB-8
Sample Date	7/29/16
Chloroform	10
cis-1,2-Dichloroethane	7.8
Tetrachloroethene	13.7
1,1,1-Trichloroethane	12.7
Trichloroethene	27.0

Sample ID	SB-2
Sample Date	7/29/16
cis-1,2-Dichloroethane	15.2
trans-1,2-Dichloroethane	5.5

Sample ID	SB-4
Sample Date	7/29/16
Chloroform	8.2
1,1-Dichloroethane	5.8
cis-1,2-Dichloroethane	23.1
trans-1,2-Dichloroethane	5.9
1,1,1-Trichloroethane	41.6
Trichloroethene	37.8
Vinyl Chloride	2.3

Sample ID	SB-10
Sample Date	7/29/16
1,1-Dichloroethane	8.8
cis-1,2-Dichloroethane	380
trans-1,2-Dichloroethane	20.4
Vinyl Chloride	46.7



Notes:  
 Values presented in parts per billion (ppb) or ug/L  
 Bold cell denotes value exceeds IDEM RCG RSLs.



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FIGURE 8  
 HISTORIC VOCS IN WATER ANALYTICAL MAP  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

LEGEND  
 ● SOIL BORING

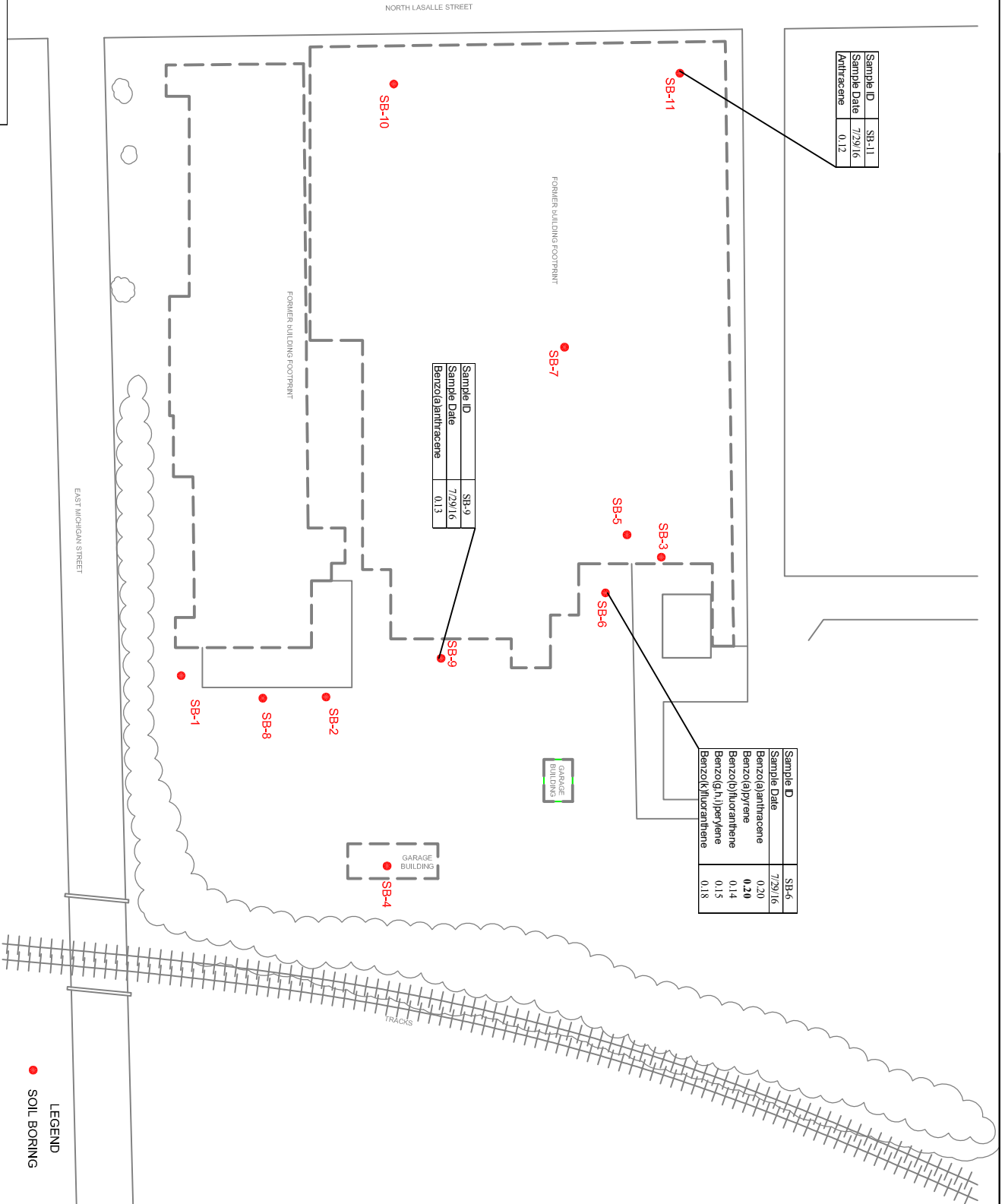


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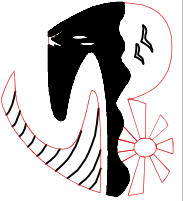
Sample ID	SB-11
Sample Date	7/29/16
Anthracene	0.12

Sample ID	SB-6
Sample Date	7/29/16
Benzo(a)anthracene	0.20
Benzo(a)pyrene	0.20
Benzo(b)fluoranthene	0.14
Benzo(g,h,i)perylene	0.15
Benzo(k)fluoranthene	0.18

Sample ID	SB-9
Sample Date	7/29/16
Benzo(a)anthracene	0.13



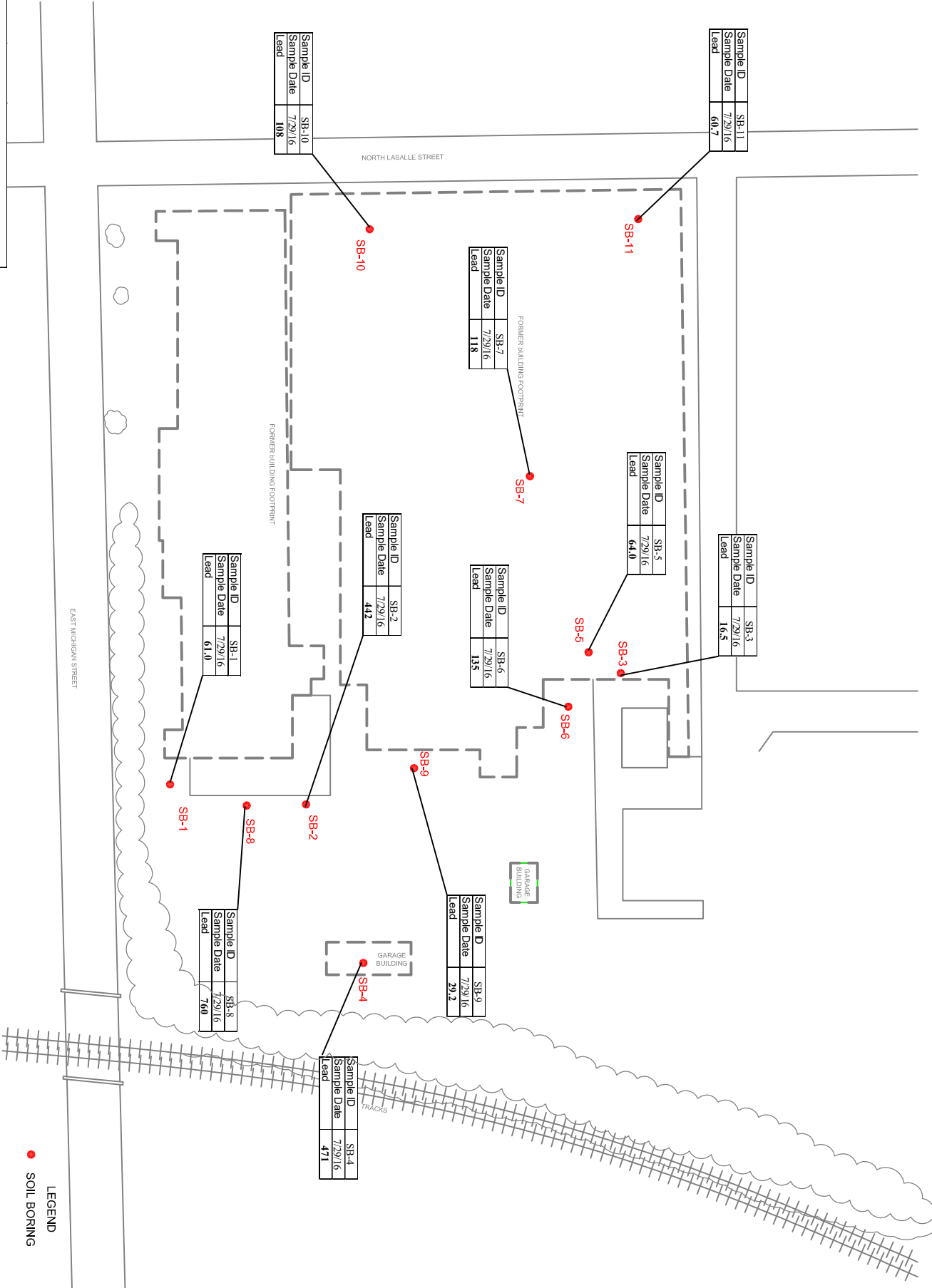
Notes:  
 Values presented in parts per billion (ppb) or ug/L  
 Bold cell denotes value exceeds IDEM RCG RSLs.



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FIGURE 9  
 HISTORIC PAHs IN GROUNDWATER ANALYTICAL MAP  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV



Notes:  
 Values presented in parts per billion (ppb) or ug/L  
 Bold cell denotes value exceeds IDEM RCG RSLs.

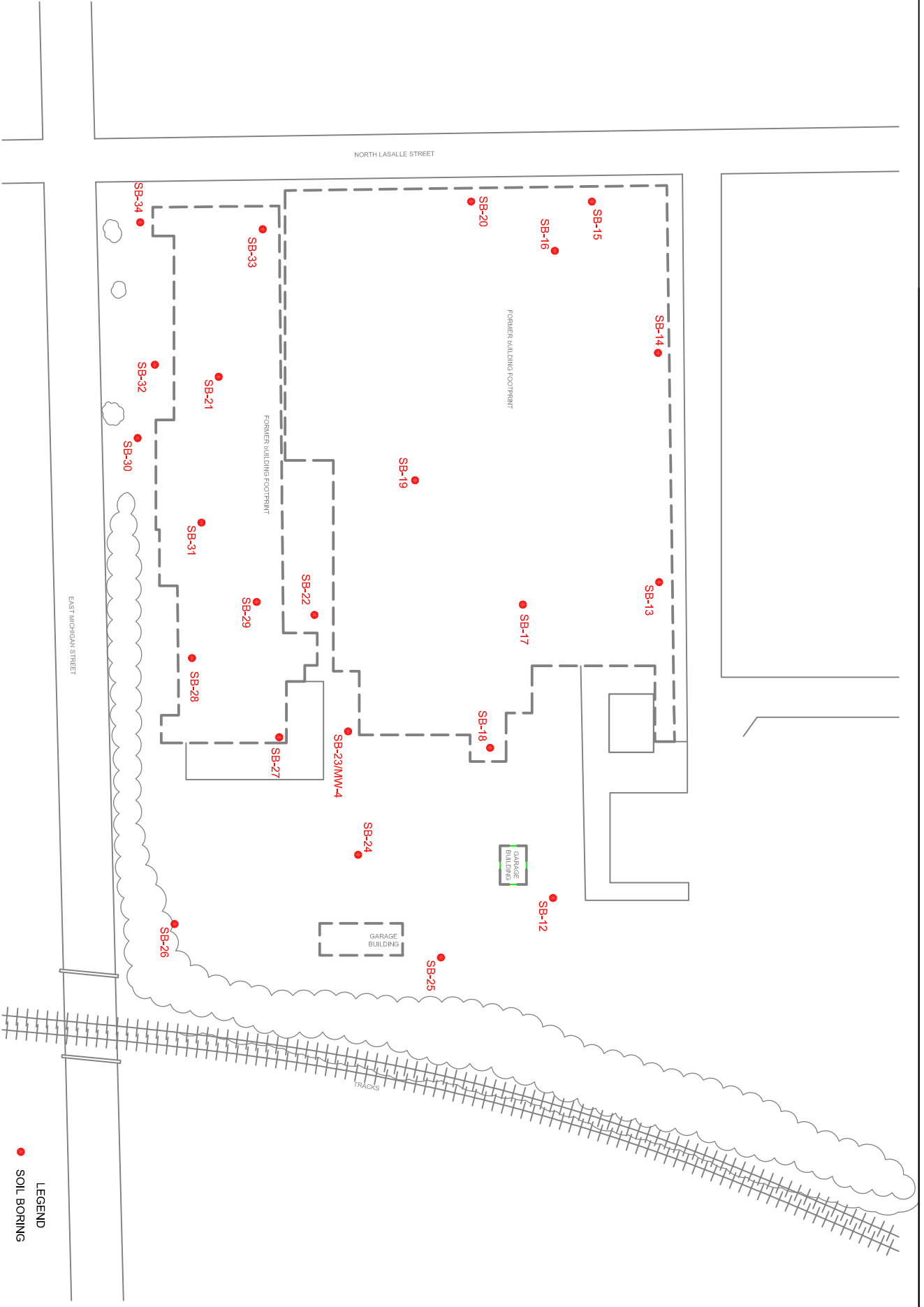


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**FIGURE 10**  
**HISTORIC LEAD IN WATER ANALYTICAL MAP**  
**PARCEL B**  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

**LEGEND**  
 ● SOIL BORING

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV



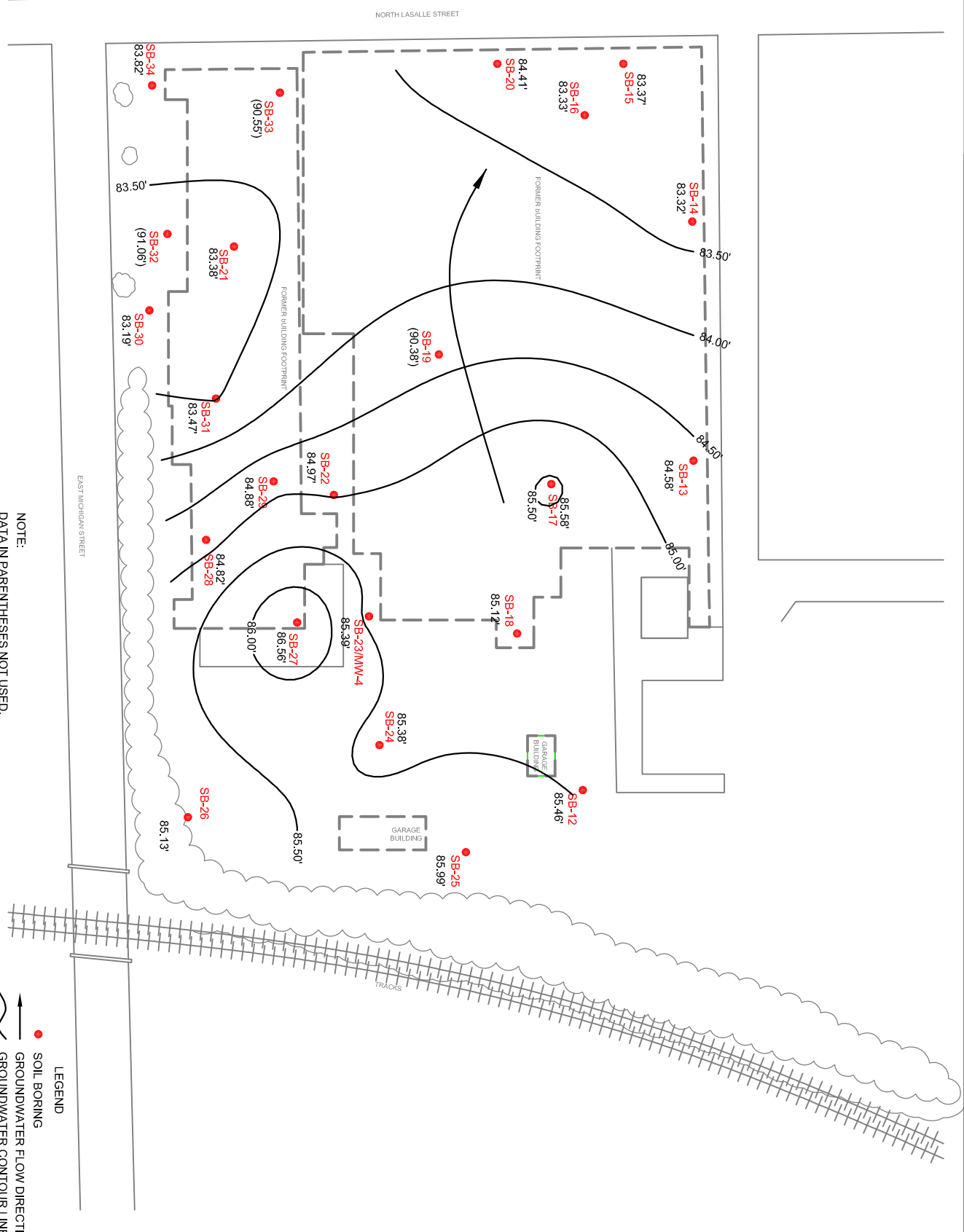
LEGEND  
● SOIL BORING



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**FIGURE 11**  
**SOIL BORING LOCATION MAP**  
**PARCEL B**  
FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
SHERMAN PARK FACILITY  
3324 EAST MICHIGAN STREET  
INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
Scale: 1"=100'  
Drawn By: NV



NOTE:  
DATA IN PARENTHESES NOT USED.

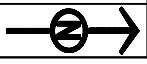
**LEGEND**  
 ● SOIL BORING  
 → GROUNDWATER FLOW DIRECTION  
 - - - GROUNDWATER CONTOUR LINE

FIGURE 12  
GROUNDWATER FLOW MAP  
AUGUST, 2017

**Heartland Environmental Associates, Inc.**  
 3410 Mishawaka Avenue, South Bend, Indiana 46615

PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV



Sample Location	Date Sampled	Sample Depth(ft)
SB-19	8/10/2017	2'-4", 12'-14"
Sample Depth(ft)		
cis-1,2-Dichloroethene	<0.0053	0.13
trans-1,2-Dichloroethene	<0.0053	0.13
Trichloroethene	<0.0053	5.2
Vinyl Chloride	<0.0053	0.0080

Sample Location	Date Sampled	Sample Depth(ft)
SB-20	8/9/2017	2'-4", 14'-16"
Sample Depth(ft)		
Acetone	0.16	<0.08
1,1-Dichloroethane	0.017	<0.040
Tetrachloroethene	0.061	<0.040
1,1,1-Trichloroethane	0.042	<0.040
1,2,4-Trimethylbenzene	0.0066	<0.040
1,3,5-Trimethylbenzene	0.0066	<0.040
Vinyl Chloride	0.015	<0.0081
Xylenes		

Sample Location	Date Sampled	Sample Depth(ft)
SB-18	8/10/2017	2'-4", 14'-16"
Sample Depth(ft)		
Acetone	0.30	<0.07
1,1-Dichloroethane	0.014	<0.038
1,1,1-Trichloroethane	0.012	<0.038
Tetrachloroethene	0.055	<0.038
1,1,1-Trichloroethane	0.069	<0.038
1,2,4-Trimethylbenzene	0.012	<0.038
1,3,5-Trimethylbenzene	<0.0056	<0.038
Vinyl Chloride	<0.0056	<0.038
Xylenes	0.031	<0.0077

Sample Location	Date Sampled	Sample Depth(ft)
SB-12	8/8/2017	2'-4", 13'-15"
Sample Depth(ft)		
Carbon Tetrachloride	<0.0055	0.063
Chloroform	<0.0055	0.010
1,1-Dichloroethane	<0.0055	0.028
1,1,1-Trichloroethane	<0.0055	0.073
1,1,1-Trichloroethane	0.0061	0.026
Trichloroethene		

Sample Location	Date Sampled	Sample Depth(ft)
SB-20	8/10/2017	2'-4", 14'-16"
Sample Depth(ft)		
1,1-Dichloroethane	0.013	<0.0048
1,1,1-Trichloroethane	0.026	0.016

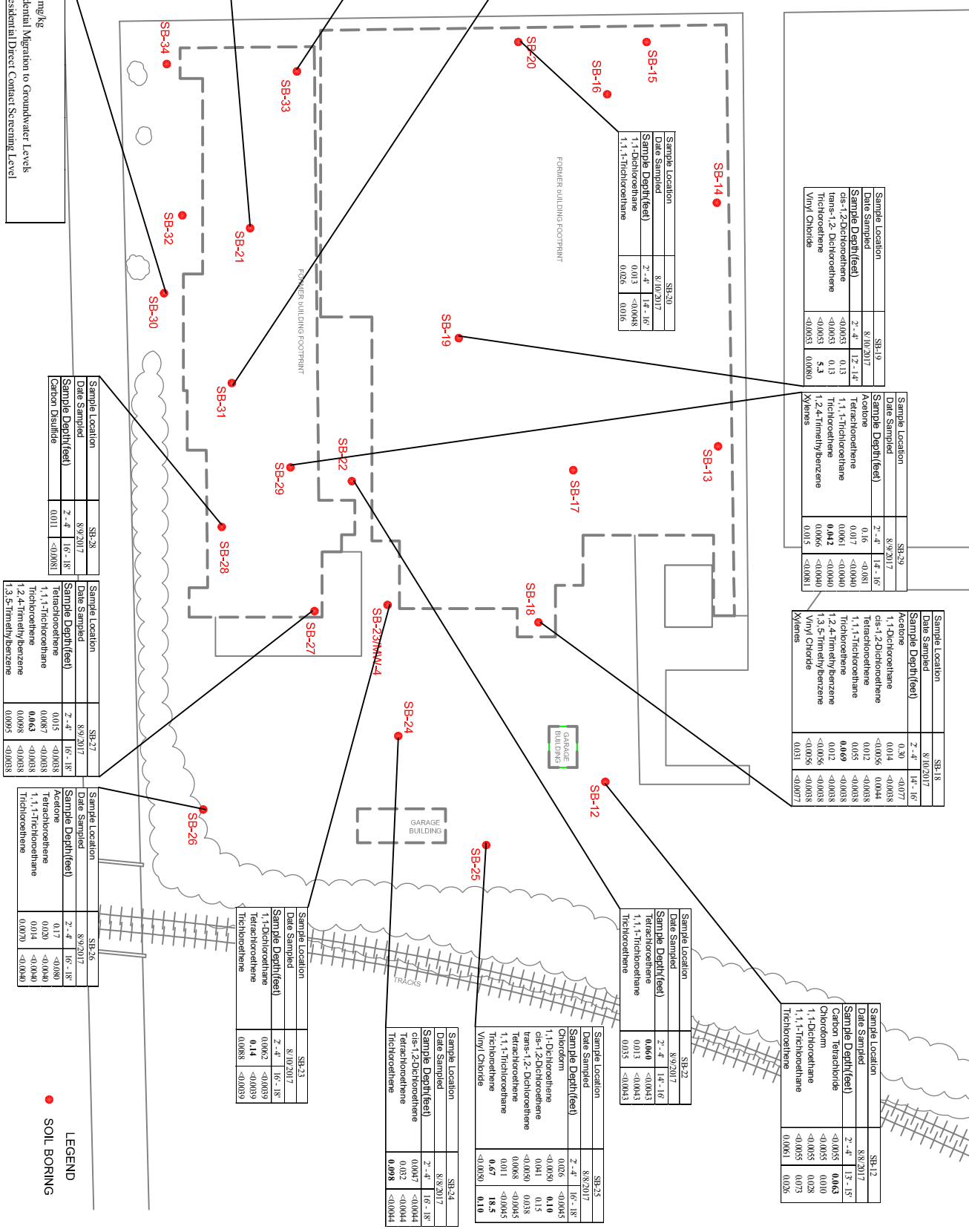
Sample Location	Date Sampled	Sample Depth(ft)
SB-21	8/9/2017	2'-4", 14'-16"
Sample Depth(ft)		
1,1-Dichloroethane	0.042	0.28
1,1-Dichloroethane	0.011	0.028
Tetrachloroethene	0.056	<0.0046
1,1,1-Trichloroethane	0.025	0.024
Trichloroethene	0.027	0.024
Xylenes	0.022	<0.0093

Sample Location	Date Sampled	Sample Depth(ft)
SB-33	8/9/2017	2'-4", 16'-18"
Sample Depth(ft)		
Acetone	0.15	<0.076

Sample Location	Date Sampled	Sample Depth(ft)
SB-21	8/9/2017	2'-4", 13'-15"
Sample Depth(ft)		
Acetone	0.16	<0.11
cis-1,2-Dichloroethene	<0.0058	0.057
trans-1,2-Dichloroethene	<0.0058	0.084
1,1-Dichloroethane	0.012	<0.0053
1,1,1-Trichloroethane	0.016	<0.0053
p-Bromopyrene	0.092	<0.0053
n-Propylbenzene	0.0088	<0.0053
Tetrachloroethene	0.022	<0.0053
1,1,1-Trichloroethane	0.022	<0.0053
1,2,4-Trimethylbenzene	0.022	<0.0053
1,3,5-Trimethylbenzene	0.022	<0.0053
Vinyl Chloride	0.011	<0.0053
Xylenes	0.043	<0.011

Sample Location	Date Sampled	Sample Depth(ft)
SB-30	8/10/2017	2'-4", 16'-18"
Sample Depth(ft)		
Acetone	0.15	<0.085
cis-1,2-Dichloroethene	<0.0056	0.010
Trichloroethene	0.012	<0.0042

Sample Location	Date Sampled	Sample Depth(ft)
SB-28	8/9/2017	2'-4", 16'-18"
Sample Depth(ft)		
Carbon Disulfide	0.011	<0.0081



Notes:  
 Values presented in parts per million (ppm) or mg/kg  
 Bold denotes value exceeds IDEM/RCG Residential Migration to Groundwater Levels  
 Shaded denotes value exceeds IDEM/RCG Residential Direct Contact Screening Level

Sample Location: SB-30  
 Date Sampled: 8/10/2017  
 Sample Depth(ft): 2'-4", 16'-18"

Sample Location	Date Sampled	Sample Depth(ft)
SB-30	8/10/2017	2'-4", 16'-18"
Sample Depth(ft)		
Acetone	0.15	<0.085
cis-1,2-Dichloroethene	<0.0056	0.010
Trichloroethene	0.012	<0.0042

Sample Location	Date Sampled	Sample Depth(ft)
SB-28	8/9/2017	2'-4", 16'-18"
Sample Depth(ft)		
Carbon Disulfide	0.011	<0.0081

Sample Location	Date Sampled	Sample Depth(ft)
SB-26	8/9/2017	2'-4", 16'-18"
Sample Depth(ft)		
1,1,1-Trichloroethane	0.017	<0.030
Trichloroethene	0.020	<0.030
1,1,1-Trichloroethane	0.014	<0.030
Trichloroethene	0.020	<0.030

Sample Location	Date Sampled	Sample Depth(ft)
SB-24	8/8/2017	2'-4", 16'-18"
Sample Depth(ft)		
Chloroform	0.026	<0.045
1,1-Dichloroethane	<0.0050	0.10
trans-1,2-Dichloroethene	0.041	0.15
1,1,1-Trichloroethane	<0.0050	0.038
Tetrachloroethene	0.0068	<0.0045
1,1,1-Trichloroethane	0.011	<0.0045
Trichloroethene	0.017	18.5
Vinyl Chloride	0.067	18.5

Sample Location	Date Sampled	Sample Depth(ft)
SB-23	8/10/2017	2'-4", 16'-18"
Sample Depth(ft)		
1,1-Dichloroethane	0.0062	<0.0039
Tetrachloroethene	0.14	<0.0039
Trichloroethene	0.0088	<0.0039

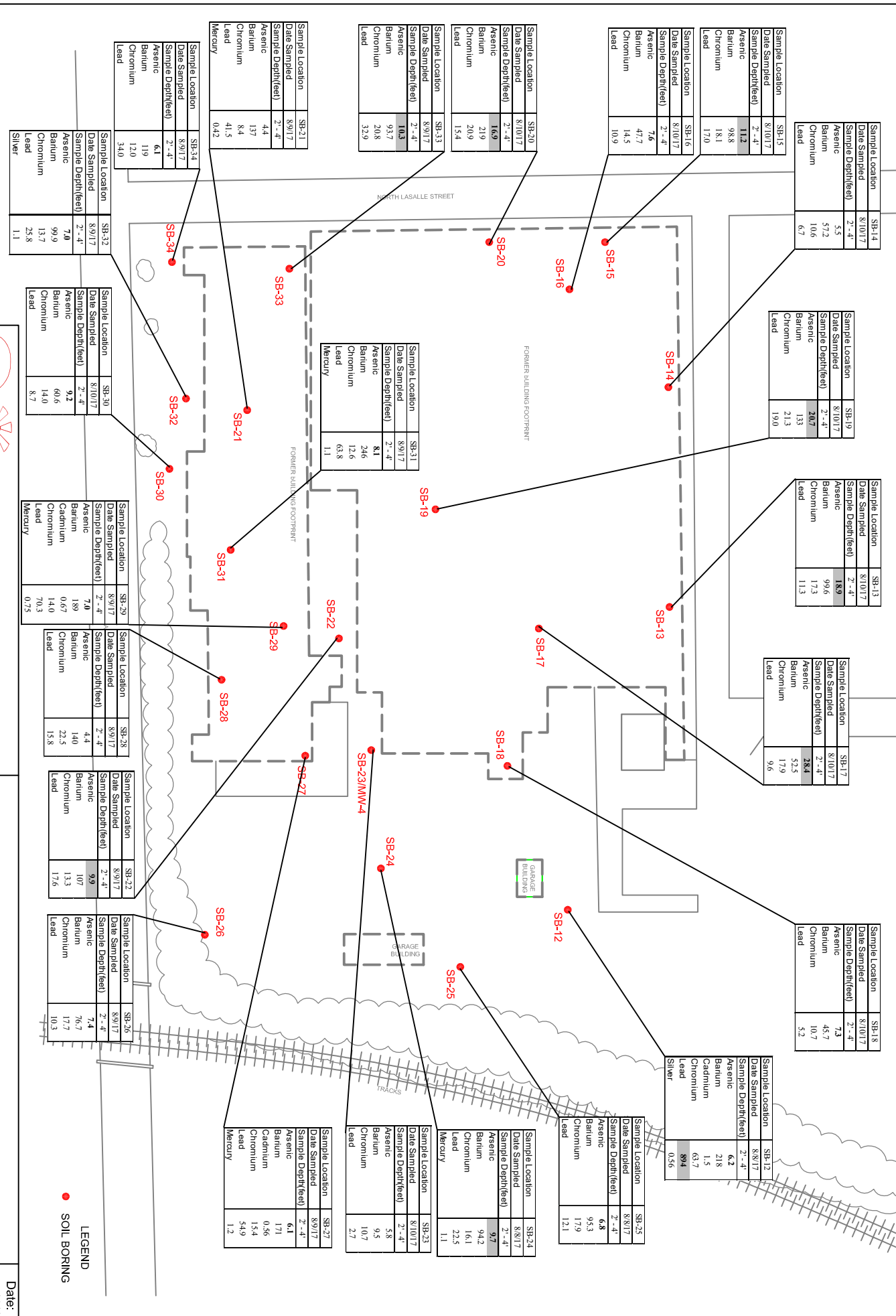
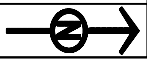


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FIGURE 13  
 VOCS IN SOIL ANALYTICAL MAP  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV





Sample Location	SB-14
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	5.5
Barium	57.2
Chromium	10.6
Lead	6.7

Sample Location	SB-19
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	240.7
Barium	133
Chromium	21.3
Lead	19.0

Sample Location	SB-13
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	18.9
Barium	99.6
Chromium	17.3
Lead	11.3

Sample Location	SB-17
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	28.4
Barium	52.5
Chromium	17.9
Lead	9.6

Sample Location	SB-18
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	7.3
Barium	45.7
Chromium	10.7
Lead	5.2

Sample Location	SB-12
Date Sampled	8/8/17
Sample Depth(Feet)	2'-4"
Arsenic	6.2
Barium	218
Cadmium	1.5
Chromium	63.7
Lead	89.4
Silver	0.56

Sample Location	SB-25
Date Sampled	8/8/17
Sample Depth(Feet)	2'-4"
Arsenic	6.8
Barium	95.3
Chromium	17.9
Lead	12.1

Sample Location	SB-24
Date Sampled	8/8/17
Sample Depth(Feet)	2'-4"
Arsenic	9.7
Barium	94.2
Chromium	16.1
Lead	22.5
Mercury	1.1

Sample Location	SB-23
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	5.8
Barium	9.5
Chromium	10.7
Lead	2.7

Sample Location	SB-27
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	6.1
Barium	171
Cadmium	0.56
Chromium	15.4
Lead	54.9
Mercury	1.2

Sample Location	SB-20
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	16.9
Barium	219
Chromium	20.9
Lead	15.4

Sample Location	SB-33
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	10.3
Barium	93.7
Chromium	20.8
Lead	32.9

Sample Location	SB-34
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	6.1
Barium	119
Chromium	12.0
Lead	34.0

Sample Location	SB-32
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	7.0
Barium	99.9
Chromium	13.7
Lead	25.8
Silver	1.1

Sample Location	SB-30
Date Sampled	8/10/17
Sample Depth(Feet)	2'-4"
Arsenic	9.2
Barium	60.6
Chromium	14.0
Lead	8.7

Sample Location	SB-29
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	7.89
Barium	0.67
Cadmium	14.0
Chromium	70.3
Lead	0.75

Sample Location	SB-28
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	4.4
Barium	140
Chromium	22.5
Lead	15.8

Sample Location	SB-22
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	9.9
Barium	107
Chromium	13.3
Lead	17.6

Sample Location	SB-26
Date Sampled	8/9/17
Sample Depth(Feet)	2'-4"
Arsenic	7.4
Barium	76.7
Chromium	17.7
Lead	10.3

LEGEND  
● SOIL BORING

Notes:  
Values presented in parts per million (ppm) or mg/kg  
Bad cell denotes value exceeds DDM RCRResidual Maximum to Groundwater Levels  
Shaded cell denotes value exceeds DDM RCRResidual Maximum to Groundwater Levels

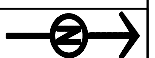


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FIGURE 15  
PRESENT METALS IN SOIL ANALYTICAL MAP  
PARCEL B  
FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
SHERMAN PARK FACILITY  
3324 EAST MICHIGAN STREET  
INDIANAPOLIS, INDIANA 46201

Date: 10/4/17  
Scale: 1"=100'  
Drawn By: NV





Notes:  
 Values presented in parts per billion (ppb) or ug/L  
 Bold cell denotes value exceeds IDEM RCG RSLs.



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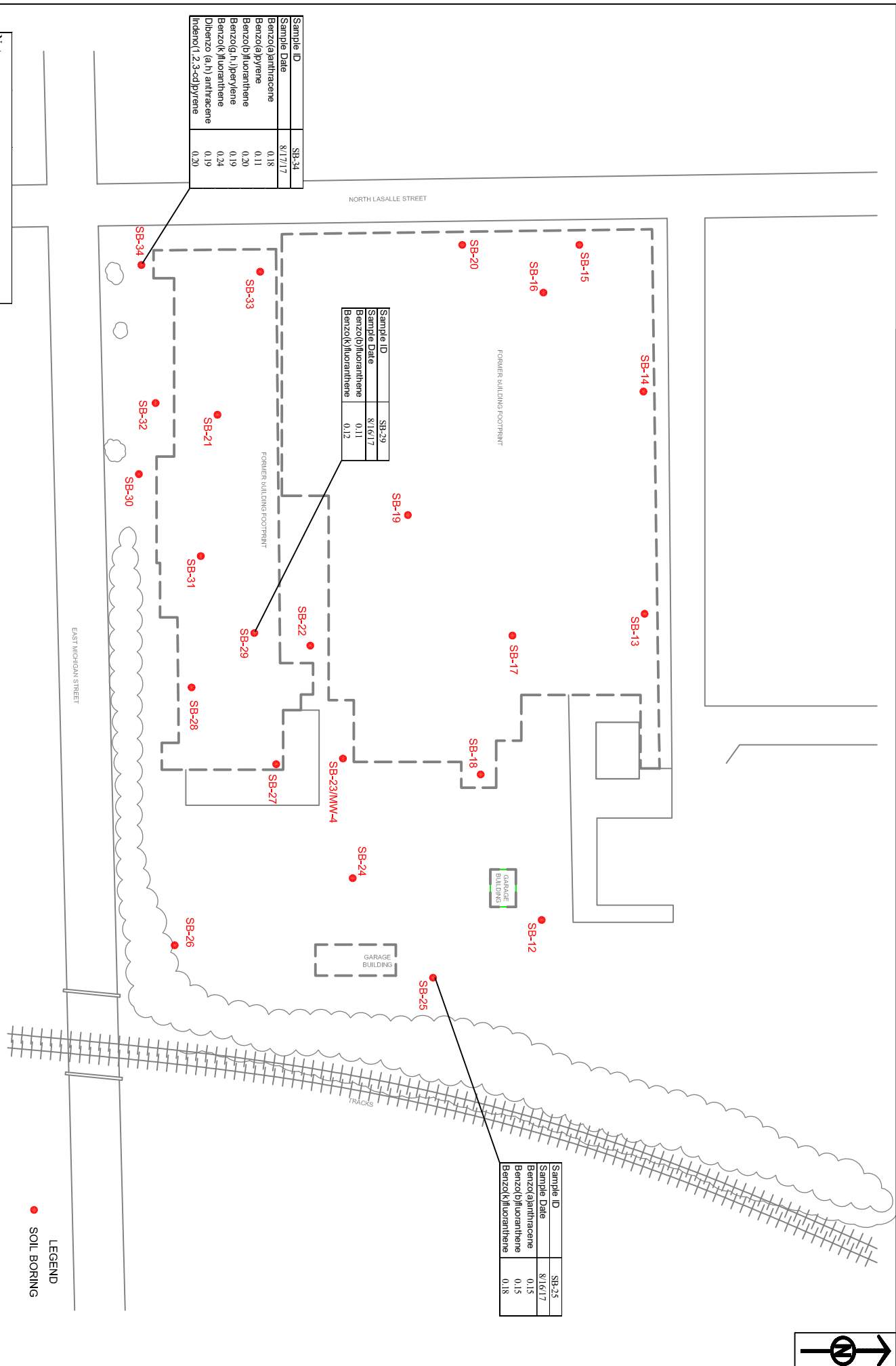
FIGURE 16  
 PRESENT VOCS IN WATER ANALYTICAL MAP  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

LEGEND  
 ● SOIL BORING

Date:  
 10/4/17

Scale:  
 1"=100'

Drawn By:  
 NV



Sample ID	SB-34
Sample Date	8/17/17
Benzof(a)anthracene	0.18
Benzof(b)pyrene	0.11
Benzof(k)fluoranthene	0.20
Benzof(g,h,i)perylene	0.19
Benzof(k)fluoranthene	0.24
Dibenzof(a,h)anthracene	0.19
Indeno(1,2,3-cd)pyrene	0.20

Sample ID	SB-29
Sample Date	8/16/17
Benzof(b)fluoranthene	0.11
Benzof(k)fluoranthene	0.12

Sample ID	SB-25
Sample Date	8/16/17
Benzof(a)anthracene	0.15
Benzof(b)fluoranthene	0.15
Benzof(k)fluoranthene	0.18

Notes:  
 Values presented in parts per billion (ppb) or ug/L  
 Bold cell denotes value exceeds IDEM RCQG RSLs.

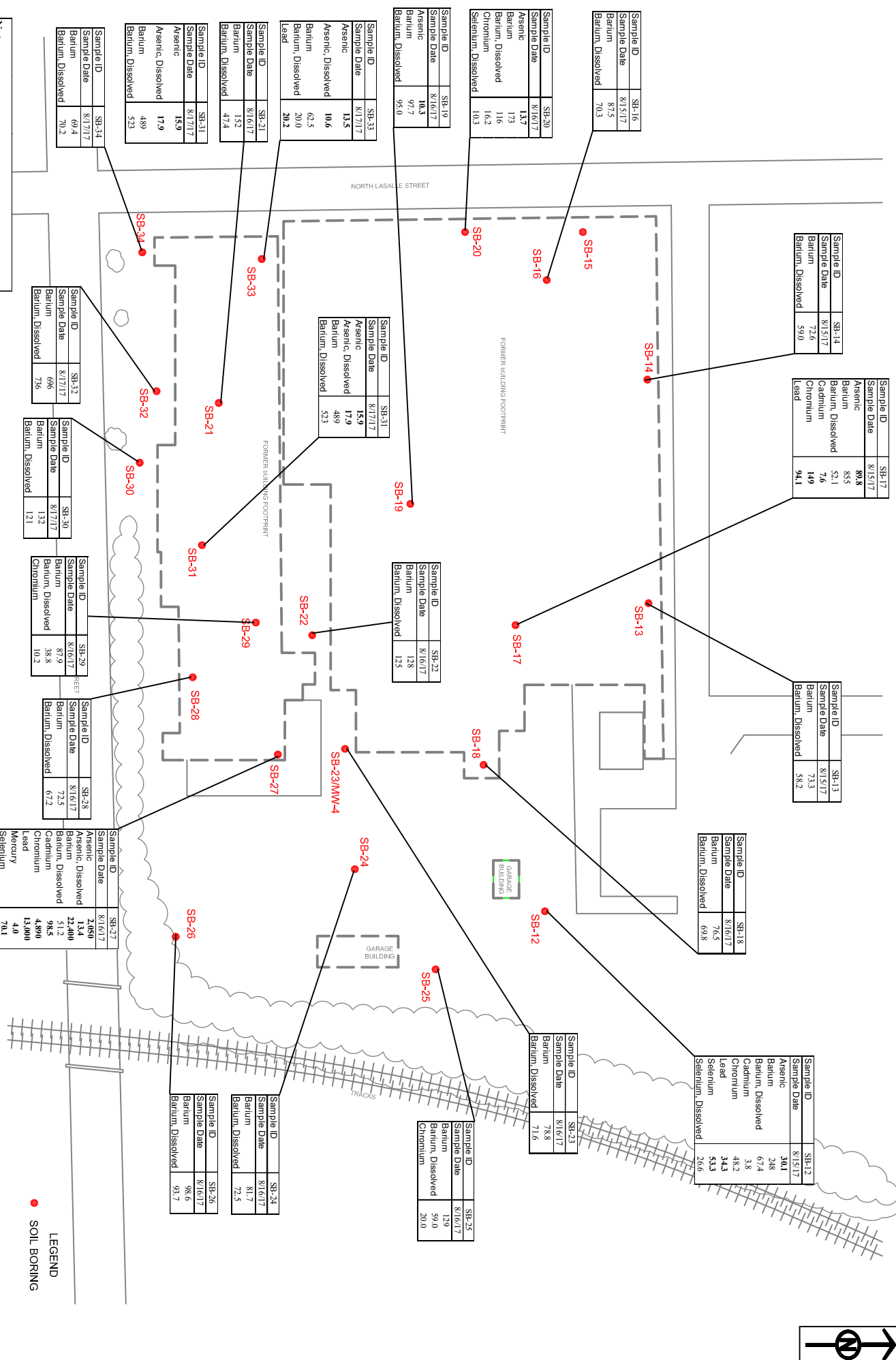


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**FIGURE 17 PRESENT PAHs IN GROUNDWATER ANALYTICAL MAP**  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

**LEGEND**  
 ● SOIL BORING

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV



Notes:  
 Values presented in parts per billion (ppb) or ug/L  
 Bold cell denotes value exceeds IDEM RCG RSLs



Heartland Environmental Associates, Inc.  
 3410 Mishawaka Avenue, South Bend, Indiana 46615

FIGURE 18  
 PRESENT METALS IN WATER ANALYTICAL MAP  
 PARCEL B  
 FORMER THOMSON CONSUMER ELECTRONICS / FORMER RCA / FORMER GE  
 SHERMAN PARK FACILITY  
 3324 EAST MICHIGAN STREET  
 INDIANAPOLIS, INDIANA 46201

LEGEND  
 ● SOIL BORING

Date: 10/4/17  
 Scale: 1"=100'  
 Drawn By: NV

## **TABLES**

**Table 1  
Well Survey Data  
Former RCA Electronics Parcel B  
3324 East Michigan Street  
Indianapolis, Indiana**

Well Identification Number	Date Gauged	Well Diameter (in)	Depth to LNAPL (ft below grade)	Top of Casing Elevation (feet)	Depth to Water (ft below grade)	Groundwater Elevation (feet)	Well Total Depth (ft)	Well Screen Length (ft)
SB-1	7/29/2016	3/4"	-	100.00	8.48	91.52	15.60	10
SB-2	7/29/2016	3/4"	-	101.34	7.60	93.74	17.65	10
SB-3	7/29/2016	3/4"	-	96.35	9.25	87.10	17.95	10
SB-4	7/29/2016	3/4"	-	101.55	7.10	94.45	20.55	10
SB-5	7/29/2016	3/4"	-	96.38	9.49	86.89	19.20	10
SB-6	7/29/2016	3/4"	-	96.71	6.70	90.01	10.00	10
SB-7	7/29/2016	3/4"	-	95.47	10.25	85.22	15.30	10
SB-8	7/29/2016	3/4"	-	100.92	8.18	92.74	20.49	10
SB-9	7/29/2016	3/4"	-	98.83	11.95	86.88	21.55	10
SB-10	7/29/2016	3/4"	-	95.48	11.05	84.43	19.48	10
SB-11	7/29/2016	3/4"	-	95.45	11.21	84.24	18.15	10
SB-12	8/15/2017	3/4"	-	100.00	14.54	85.46	18.91	10
SB-13	8/15/2017	3/4"	-	93.54	8.96	84.58	16.65	10
SB-14	8/15/2017	3/4"	-	93.65	10.33	83.32	15.94	10
SB-15	8/15/2017	3/4"	-	94.74	11.37	83.37	11.79	10
SB-16	8/15/2017	3/4"	-	96.23	12.90	83.33	17.24	10
SB-17	8/15/2017	3/4"	-	96.03	10.45	85.58	14.63	10
SB-18	8/16/2017	3/4"	-	96.36	11.24	85.12	19.58	10
SB-19	8/16/2017	3/4"	-	95.89	5.51	90.38	11.15	10
SB-20	8/16/2017	3/4"	-	95.38	11.97	83.41	18.50	10
SB-21	8/16/2017	3/4"	-	96.18	12.80	83.38	19.79	10
SB-22	8/16/2017	3/4"	-	97.06	12.09	84.97	19.75	10
SB-23	8/16/2017	2"	-	96.90	11.51	85.39	25.94	10
SB-24	8/16/2017	3/4"	-	99.66	14.28	85.38	22.93	10
SB-25	8/16/2017	3/4"	-	100.32	14.33	85.99	21.43	10
SB-26	8/16/2017	3/4"	-	100.05	14.92	85.13	24.41	10
SB-27	8/16/2017	3/4"	-	99.60	13.04	86.56	18.86	10
SB-28	8/16/2017	3/4"	-	97.68	12.86	84.82	20.56	10
SB-29	8/16/2017	3/4"	-	97.71	12.83	84.88	19.67	10
SB-30	8/17/2017	3/4"	-	97.35	14.16	83.19	21.98	10
SB-31	8/17/2017	3/4"	-	96.80	13.33	83.47	20.61	10
SB-32	8/17/2017	3/4"	-	96.09	5.03	91.06	16.51	10
SB-33	8/17/2017	3/4"	-	96.42	5.87	90.55	19.54	10
SB-34	8/17/2017	3/4"	-	96.08	12.26	83.82	21.41	10

Notes: \*-All points referenced were completed as temporary 3/4" piezometers utilized only for investigation completed July 2016 and were abandoned after sampling.

1- Top of Casing and Groundwater elevations referenced based on an arbitrary established bench mark of 100.00 feet.





**Table 2**  
**VOCs in Soil Sample Results**  
**Former RCA Electronics Parcel B**  
**3324 East Michigan Street**  
**Indianapolis, Indiana**

Sample Location	Date Sampled	Sample Depth (feet)	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	Methyl-tert-butyl-ether	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes	
IDEM RCG Residential Migration to GW			57	0.051	23	64	12	4.8	0.039	0.44	0.16	0.05	0.41	0.59	16	44	15	-	0.025	0.63	25	0.045	14	1.4	0.036	1.6	1.7	0.014	200	
IDEM RCG Residential Direct Contact			85,000	17	28,000	110	150	740	29.0	4.5	50	320	220	1,700	81	140	270	-	430	660	260	110	820	640	5.7	220	180	0.83	260	
IDEM RCG Commercial Direct Contact			100,000	51	28,000	110	150	740	9.1	14	160	1,000	2,300	1,700	250	140	270	-	3,200	2,100	260	170	820	640	19	220	180	17	260	
SB-27	8/9/2017	2' - 4'	<0.15	<0.0077	<0.038	<0.0077	<0.0077	<0.015	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.031	<0.0077	<0.0077	0.015	<0.0077	0.0087	<b>0.063</b>	0.0098	0.0095	<0.0077	<0.015	
		16' - 18'	<0.077	<0.0038	<0.019	<0.0038	<0.0038	<0.0077	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.015	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0077
SB-28	8/9/2017	2' - 4'	<0.094	<0.0047	<0.023	<0.0047	<0.0047	0.011	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.019	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094
		16' - 18'	<0.081	<0.0040	<0.020	<0.0040	<0.0040	<0.0081	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.016	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0081
SB-29	8/9/2017	2' - 4'	0.16	<0.0049	<0.025	<0.0049	<0.0049	<0.0099	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.020	<0.0049	<0.0049	0.017	<0.0049	0.0061	<b>0.042</b>	0.0066	<0.0049	<0.0049	0.015	
		14' - 16'	<0.081	<0.0040	<0.020	<0.0040	<0.0040	<0.0081	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.016	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0081
SB-30	8/10/2017	2' - 4'	0.15	<0.0056	<0.028	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.022	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.012	<0.0056	<0.0056	<0.0056	<0.011
		16' - 18'	<0.085	<0.0042	<0.021	<0.0042	<0.0042	<0.0085	<0.0042	<0.0042	<0.0042	<0.0042	0.010	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.017	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0085
SB-31	8/9/2017	2' - 4'	0.42	<0.0046	<0.023	<0.0046	<0.0046	<0.0091	<0.0046	<0.0046	0.013	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.018	<0.0046	<0.0046	0.0056	<0.0046	0.025	0.027	<0.0046	<0.0046	<0.0046	0.022	
		14' - 16'	0.28	<0.0046	<0.023	<0.0046	<0.0046	<0.0093	<0.0046	<0.0046	0.023	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.019	<0.0046	<0.0046	<0.0046	<0.0046	0.024	0.024	<0.0046	<0.0046	<0.0046	<0.0093
SB-32	8/9/2017	2' - 4'	<0.16	<0.0079	<0.039	<0.0079	<0.0079	<0.016	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.031	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.016
		10' - 12'	<0.077	<0.0039	<0.019	<0.0039	<0.0039	<0.0077	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.015	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0077
SB-33	8/9/2017	2' - 4'	0.15	<0.0047	<0.023	<0.0047	<0.0047	<0.0093	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.019	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0093
		16' - 18'	<0.076	<0.0038	<0.019	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.015	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076
SB-34	8/9/2017	2' - 4'	<0.084	<0.0042	<0.021	<0.0042	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.017	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0084
		14' - 16'	<0.11	<0.0055	<0.028	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.022	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011
FD-1*	8/8/2017	16' - 18'	<0.082	<0.0041	<0.020	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.016	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	
FD-2*	8/9/2017	14' - 16'	<0.080	<0.0040	<0.020	<0.0040	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.016	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0080	
FD-3*	8/9/2017	14' - 16'	<0.087	<0.0044	<0.022	<0.0044	<0.0044	<0.0087	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.017	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0087	

Notes: Values presented in parts per million (ppm) or mg/kg  
\* Field duplicate sample (FD-1) collected from SB-24 (16'-18')  
Field duplicate sample (FD-2) collected from SB-22 (14'-16')  
Field duplicate sample (FD-3) collected from SB-34 (14'-16')  
Default Closure levels based on IDEM Remediation Closure Guide Technical Document issued March 2012 and amended July 2017  
**Bold cell** denotes value exceeds IDEM RCG Residential Migration to Groundwater Levels  
**Shaded cell** denotes value exceeds IDEM RCG Residential Direct Contact Screening Level  
VOC Constituents not listed were encountered below laboratory detection limits  
Non-detect concentrations encountered exceeding IDEM RCG Default Criteria are a result of laboratory dilution methods, but do not necessarily represent chemical impacts.





**Table 4**  
**Metals In Soil Sample Results**  
**Former RCA Electronics Parcel B**  
**3324 East Michigan Street**  
**Indianapolis, Indiana**

Sample Location	Date Sampled	Sample Depth (feet)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
<b>IDEM RCG Residential Migration to GW</b>			<b>5.9</b>	<b>1,700</b>	<b>-</b>	<b>1,000,000</b>	<b>270</b>	<b>2.1</b>	<b>5.3</b>	<b>16</b>
<b>IDEM RCG Residential Direct Contact</b>			<b>9.5</b>	<b>21,000</b>	<b>-</b>	<b>100,000</b>	<b>400</b>	<b>3.1</b>	<b>550</b>	<b>550</b>
<b>IDEM RCG Commercial Direct Contact</b>			<b>30</b>	<b>100,000</b>	<b>-</b>	<b>100,000</b>	<b>800</b>	<b>3.1</b>	<b>5,800</b>	<b>5,800</b>
SB-1	7/27/2016	2' - 4'	NA	NA	NA	NA	12.3	NA	NA	NA
		16' - 18'	NA	NA	NA	NA	7.3	NA	NA	NA
SB-2	7/27/2016	2' - 4'	NA	NA	NA	NA	9.3	NA	NA	NA
		16' - 18'	NA	NA	NA	NA	5.8	NA	NA	NA
SB-3	7/27/2016	2' - 4'	NA	NA	NA	NA	11.1	NA	NA	NA
		12' - 14'	NA	NA	NA	NA	5.3	NA	NA	NA
SB-4	7/27/2016	2' - 4'	NA	NA	NA	NA	7.0	NA	NA	NA
		17' - 19'	NA	NA	NA	NA	4.6	NA	NA	NA
SB-5	7/27/2016	2' - 4'	NA	NA	NA	NA	15.0	NA	NA	NA
		12' - 14'	NA	NA	NA	NA	4.1	NA	NA	NA
SB-6	7/27/2016	2' - 4'	NA	NA	NA	NA	21.9	NA	NA	NA
		8' - 10'	NA	NA	NA	NA	10.0	NA	NA	NA
SB-7	7/27/2016	2' - 4'	NA	NA	NA	NA	8.1	NA	NA	NA
		12' - 14'	NA	NA	NA	NA	6.0	NA	NA	NA
SB-8	7/27/2016	2' - 4'	NA	NA	NA	NA	7.6	NA	NA	NA
		16' - 18'	NA	NA	NA	NA	4.5	NA	NA	NA
SB-9	7/27/2016	2' - 4'	NA	NA	NA	NA	29.4	NA	NA	NA
		15' - 17'	NA	NA	NA	NA	5.3	NA	NA	NA
SB-10	7/28/2016	2' - 4'	NA	NA	NA	NA	4.5	NA	NA	NA
		14' - 16'	NA	NA	NA	NA	5.2	NA	NA	NA
SB-11	7/28/2016	2' - 4'	NA	NA	NA	NA	12.4	NA	NA	NA
		11' - 13'	NA	NA	NA	NA	3.8	NA	NA	NA
SB-12	8/8/2017	2' - 4'	<b>6.2</b>	218	1.5	63.7	<b>894</b>	<0.21	<1.0	0.56
SB-13	8/10/2017	2' - 4'	<b>18.9</b>	99.6	<0.60	17.3	11.3	<0.26	<1.2	<0.60
SB-14	8/10/2017	2' - 4'	5.5	57.2	<0.48	10.6	6.7	<0.22	<0.97	<0.48
SB-15	8/10/2017	2' - 4'	<b>11.2</b>	98.8	<0.56	18.1	17.0	<0.26	<1.1	<0.56
SB-16	8/10/2017	2' - 4'	7.6	47.7	<0.57	14.5	10.9	<0.24	<1.1	<0.57
SB-17	8/10/2017	2' - 4'	<b>28.4</b>	52.5	<0.56	17.9	9.6	<0.24	<1.1	<0.56
SB-18	8/10/2017	2' - 4'	7.3	45.7	<0.54	10.7	5.2	<0.23	<1.1	<0.54
SB-19	8/10/2017	2' - 4'	<b>20.7</b>	133	<0.54	21.3	19.0	<0.25	<1.1	<0.54
SB-20	8/10/2017	2' - 4'	<b>16.9</b>	219	<0.61	20.9	15.4	<0.25	<1.2	<0.61
SB-21	8/9/2017	2' - 4'	4.4	137	<0.54	8.4	41.5	0.42	<1.1	<0.54
SB-22	8/9/2017	2' - 4'	<b>9.9</b>	107	<0.57	13.3	17.6	<0.25	<1.1	<0.57
SB-23	8/10/2017	2' - 4'	5.8	9.5	<0.48	10.7	2.7	<0.20	<0.95	<0.48
SB-24	8/8/2017	2' - 4'	<b>9.7</b>	94.2	<0.57	16.1	22.5	1.1	<1.1	<0.57
SB-25	8/8/2017	2' - 4'	<b>6.8</b>	95.3	<0.58	17.9	12.1	<0.26	<1.2	<0.58
SB-26	8/9/2017	2' - 4'	7.4	76.7	<0.56	17.7	10.3	<0.24	<1.1	<0.56
SB-27	8/9/2017	2' - 4'	<b>6.1</b>	171	0.56	15.4	54.9	1.2	<1.1	<0.54
SB-28	8/9/2017	2' - 4'	4.4	140	<0.63	22.5	15.8	<0.25	<1.3	<0.63
SB-29	8/9/2017	2' - 4'	<b>7.0</b>	189	0.67	14.0	70.3	0.75	<0.98	<0.49
SB-30	8/10/2017	2' - 4'	<b>9.2</b>	60.6	<0.48	14.0	8.7	<0.23	<0.97	<0.48
SB-31	8/9/2017	2' - 4'	<b>8.1</b>	246	<0.55	12.6	63.8	1.1	<1.1	<0.55
SB-32	8/9/2017	2' - 4'	7.0	99.9	<0.55	13.7	25.8	<0.24	<1.1	1.1
SB-33	8/9/2017	2' - 4'	<b>10.3</b>	93.7	<0.58	20.8	32.9	<0.24	<1.2	<0.58
SB-34	8/9/2017	2' - 4'	<b>6.1</b>	119	<0.53	12.0	34.0	<0.24	<1.1	<0.53
FD-1*	7/27/2016	15' - 17'	NA	NA	NA	NA	NA	NA	NA	4.9

Notes: Values presented in parts per million (ppm) or mg/kg

\* Field duplicate sample (FD-1) collected from SB-24 (16'-18')

Default Closure levels based on IDEM Remediation Closure Guide issued March 2012 and amended July 2017

NS: Not Analyzed

**Bold cell** denotes value exceeds IDEM RCG Residential Migration to Groundwater Levels

**Shaded cell** denotes value exceeds IDEM RCG Residential Direct Contact Levels



**Table 5**  
**VOCs in Groundwater Analytical Results**  
**Former RCA Electronics Parcel B**  
**3324 East Michigan Street**  
**Indianapolis, Indiana**

Sample Location	Date Sampled	Acetone	Benzene	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Tetrachloride	Chloroethane	Chloroform	1,2-Dibromoethane (EDB)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	n-Hexane	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene Chloride	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylene (Total)	
<b>IDEM RCG Residential Screening Levels</b>		<b>14,000</b>	<b>5</b>	<b>5,600</b>	<b>1,000</b>	<b>2,000</b>	<b>690</b>	<b>5</b>	<b>-</b>	<b>80</b>	<b>0.05</b>	<b>28</b>	<b>5</b>	<b>7</b>	<b>70</b>	<b>100</b>	<b>700</b>	<b>1,500</b>	<b>450</b>	<b>-</b>	<b>5</b>	<b>660</b>	<b>5</b>	<b>1,000</b>	<b>200</b>	<b>5</b>	<b>56</b>	<b>60</b>	<b>2</b>	<b>10,000</b>	
SB-30	8/17/2017	<100	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<b>276</b>	14.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<b>100</b>	<10.0
SB-31	8/17/2017	2,550	<5.0	207	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	9.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.2	<b>15.4</b>	<5.0	<5.0	<2.0	<10.0
SB-32	8/17/2017	829	<5.0	81.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	8.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7.4	<b>11.1</b>	<5.0	<5.0	<2.0	<10.0
SB-33	8/17/2017	603	<5.0	60.7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<10.0
SB-34	8/17/2017	<100	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<10.0
FD-1	7/29/2016	<100	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	18.1	8.1	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<10.0
FD-4	8/15/2017	<100	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<10.0
FD-5	8/16/2017	<100	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<10.0

Notes: Values presented in parts per billion (ppb) or ug/l

NS: Not Sampled

\*- FD - Field Duplicate; Field Duplicate FD-1 QA/QC Sample collected from sample SB-2, FD-4 QA/QC Sample collected from SB-14 and FD-5 QA/QC Sample collected from SB-23

Default Closure levels based on IDEM Remediation Closure Guide issued March 2012 and amended July 2017

**Bold cell** denotes value exceeds IDEM RCG RSLs

VOC constituents not listed were encountered below laboratory detection limits

Non-detect concentrations encountered exceeding IDEM RSLs are a result of laboratory dilution methods, but do not necessarily represent chemical impacts.

**Table 6**  
**PAHs in Groundwater Analytical Results**  
**Former RCA Electronics Parcel B**  
**3324 East Michigan Street**  
**Indianapolis, Indiana**

Sample Location	Date Sampled	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo (a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
<b>IDEM RCG Residential Screening Levels</b>		<b>530</b>	<b>-</b>	<b>1,800</b>	<b>0.3</b>	<b>0.2</b>	<b>0.34</b>	<b>-</b>	<b>25</b>	<b>250</b>	<b>0.25</b>	<b>800</b>	<b>290</b>	<b>2.5</b>	<b>11</b>	<b>36</b>	<b>1.7</b>	<b>-</b>	<b>120</b>
SB-1	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-2	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-3	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-4	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-5	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-6	7/29/2016	<1.0	<1.0	<0.10	0.20	<b>0.20</b>	0.14	0.15	0.18	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-7	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-8	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-9	7/29/2016	<1.0	<1.0	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-10	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-11	7/29/2016	<1.0	<1.0	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-12	8/15/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-13	8/15/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-14	8/15/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-15	8/15/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16	8/15/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-17	8/15/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-18	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-19	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-20	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-21	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-22	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-23	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-24	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-25	8/16/2017	<1.0	<1.0	<0.10	0.15	<0.10	0.15	<0.10	0.18	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-26	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-27	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-28	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-29	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	0.11	<0.10	0.12	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-30	8/17/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-31	8/17/2017	<10.0	<10.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10.0	<10.0	<1.0	<10.0	<10.0	<10.0	<10.0	<10.0
SB-32	8/17/2017	<10.0	<10.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10.0	<10.0	<1.0	<10.0	<10.0	<10.0	<10.0	<10.0
SB-33	8/17/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
SB-34	8/17/2017	<1.0	<1.0	<0.10	0.18	0.11	0.20	0.19	0.24	<0.50	0.19	<1.0	<1.0	0.20	<1.0	<1.0	<1.0	<1.0	<1.0
FD-1*	7/29/2016	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
FD-4*	8/15/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0
FD-5*	8/16/2017	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.10	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0

8 Values presented in parts per billion (ppb) or ug/l

NS: Not Sampled

\*- FD - Field Duplicate; Field Duplicate FD-1 QA/QC Sample collected from sample SB-2, FD-4 QA/QC Sample collected from SB-14 and FD-5 QA/QC Sample collected from SB-23

Default Closure levels based on IDEM Remediation Closure Guide Technical Document issued March 2012 amended July 2017

**Bold cell** denotes value exceeds IDEM RCG RSLs

Non-detect concentrations encountered exceeding IDEM RSLs are a result of laboratory dilution methods, but do not necessarily represent chemical impacts.

**Table 7  
Metals in Groundwater Analytical Results  
Former RCA Electronics Parcel B  
3324 East Michigan Street  
Indianapolis, Indiana**

Sample Location	Date Sampled	Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Cadmium, Dissolved	Chromium	Chromium, Dissolved	Lead	Lead, Dissolved	Mercury	Mercury, Dissolved	Selenium	Selenium, Dissolved	Silver	Silver, Dissolved
<b>IDEM RCG Residential Screening Levels</b>		<b>10</b>	<b>-</b>	<b>2,000</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>94</b>	<b>-</b>
SB-1	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	61.0	NS	NS	NS	NS	NS	NS	NS
SB-2	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	442	NS	NS	NS	NS	NS	NS	NS
SB-3	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	16.5	NS	NS	NS	NS	NS	NS	NS
SB-4	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	471	NS	NS	NS	NS	NS	NS	NS
SB-5	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	64.0	NS	NS	NS	NS	NS	NS	NS
SB-6	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	135	NS	NS	NS	NS	NS	NS	NS
SB-7	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	118	NS	NS	NS	NS	NS	NS	NS
SB-8	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	760	NS	NS	NS	NS	NS	NS	NS
SB-9	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	29.2	NS	NS	NS	NS	NS	NS	NS
SB-10	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	108	NS	NS	NS	NS	NS	NS	NS
SB-11	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	60.7	NS	NS	NS	NS	NS	NS	NS
SB-12	8/15/2017	30.1	<10.0	248	67.4	3.8	<2.0	48.2	<10.0	34.3	<10.0	<2.0	<2.0	53.3	26.6	<10.0	<10.0
SB-13	8/15/2017	<10.0	<10.0	73.3	58.2	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-14	8/15/2017	<10.0	<10.0	72.6	59.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-15	8/15/2017	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-16	8/15/2017	<10.0	<10.0	87.5	70.3	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-17	8/15/2017	89.8	<10.0	855	52.1	7.6	<2.0	149	<10.0	94.1	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-18	8/16/2017	<10.0	<10.0	76.5	69.8	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-19	8/16/2017	10.3	<10.0	97.7	95.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-20	8/16/2017	13.7	<10.0	173	116	<2.0	<2.0	16.2	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	10.3	<10.0	<10.0
SB-21	8/16/2017	<10.0	<10.0	152	47.4	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-22	8/16/2017	<10.0	<10.0	128	125	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-23	8/16/2017	<10.0	<10.0	78.8	71.6	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-24	8/16/2017	<10.0	<10.0	81.7	72.5	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-25	8/16/2017	<10.0	<10.0	129	59.0	<2.0	<2.0	20.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-26	8/16/2017	<10.0	<10.0	98.6	93.7	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-27	8/16/2017	2,050	13.4	22,400	51.2	98.5	<2.0	4,890	<10.0	13,000	<10.0	4.0	<2.0	70.1	<10.0	<50.0	<10.0
SB-28	8/16/2017	<10.0	<10.0	72.5	67.2	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-29	8/16/2017	<10.0	<10.0	87.9	38.8	<2.0	<2.0	10.2	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-30	8/17/2017	<10.0	<10.0	132	121	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-31	8/17/2017	15.9	17.9	489	523	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-32	8/17/2017	<10.0	<10.0	696	736	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-33	8/17/2017	13.5	10.6	62.5	20.0	<2.0	<2.0	<10.0	<10.0	20.2	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
SB-34	8/17/2017	<10.0	<10.0	69.4	70.2	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0
FD-1	7/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	44.5	NS	NS	NS	NS	NS	NS	NS
FD-4	8/15/2017	13.3	<10.0	75.0	57.8	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	13.3	12.4	<10.0	<10.0
FD-5	8/16/2017	<10.0	<10.0	78.5	69.7	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0

Notes: Values presented in parts per billion (ppb) or ug/l

NS: Not Sampled

\*- FD - Field Duplicate; Field Duplicate FD-1 QA/QC Sample collected from sample SB-2, FD-4 QA/QC Sample collected from SB-14 and FD-5 QA/QC Sample collected from SB-23

Default Closure levels based on IDEM Remediation Closure Guide issued March 2012 updated March 5, 2014

**Bold cell** denotes value exceeds IDEM RCG RSLs

**APPENDIX A**  
**Soil Boring Logs**

# SB-1

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	22 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	ASPHALT						
	SILTY CLAY, brown, slightly soft, slightly moist, slightly plastic					0	
		5				0	
						0	
						0	
		10				0	
						0	
						0	
		15				0	
						0	
	SAND, gray, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
	CLAY, gray, firm, slightly moist					0	
	Boring terminated at 22' at 9:35						

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# SB-2

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	22 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	ASPHALT						
	SILTY CLAY, brown, slightly soft, slightly moist, slightly plastic					0	
		5				0	
						0	
						0	
		10				0	
						0	
						0	
		15				0	
						0	
						0	
	SAND, gray, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
						0	
	Boring terminated at 22' at 10:38						

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# SB-3

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	22 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	CONCRETE					0	
	SILTY CLAY, brown, slightly soft, slightly moist, slightly plastic					0	
		5				0	
						0	
						0	
		10				0	
						0	
						0	
		15				0	
	SAND, gray, fine to medium grained, saturated, trace gravel, poorly graded					0	
						0	
		20				0	
						0	
	Boring terminated at 22' at 13:58					0	

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# SB-4

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	22 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	ASPHALT						
	SILTY CLAY, brown, slightly soft, moist, slightly plastic	0				0	
		1				0	
		2				0	
		3				0	
		4				0	
		5				0	
		6				0	
		7				0	
		8				0	
		9				0	
		10				0	
		11				0	
		12				0	
		13				0	
		14				0	
		15				0	
		16				0	
		17				0	
		18				0	
		19				0	
	SAND, gray, medium grained, saturated, trace gravel, poorly graded	20				0	
	Boring terminated at 22' at 11:05	21					
		22					

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# SB-5

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	22 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push



Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	CONCRETE						
	SILTY CLAY, brown, slightly soft, slightly moist	0				0	
		5				0	
		10				0	
		15				0	
	SAND, gray, fine grained, saturated, trace gravel, poorly graded	20				0	
	Boring terminated at 22' at 13:34					0	

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# SB-6

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	11 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	ASPHALT					0	
	SAND, brown, medium grained, gravel, moist to wet (saturated at 11')	5				0	
						0	
						0	
		10				0	
	Boring terminated at 11' (refusal) at 15:06	15					
		20					

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# SB-7

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor   Midway Services	Drill Rig                      Geoprobe
Driller                      Mark Hicks                      License	Ground Elevation              Feet
Geologist                  Ryan Orzechowicz	Static Water Level              Feet
Date Drilled              7/27/16	Total Depth of borehole      20 Feet
Boring Diameter        2 Inches	Boring Method                  Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	CONCRETE						
	SILTY CLAY, brown, slightly soft, moist	0				0	
		1				0	
		2				0	
		3				0	
		4				0	
		5				0	
		6				0	
		7				0	
		8				0	
		9				0	
		10				0	
		11				0	
		12				0	
		13				0	
		14				0	
		15				0	
	SAND, gray, medium to coarse grained, saturated, trace gravel, poorly graded	16				0	
		17				0	
		18				0	
		19				0	
	Boring terminated at 20' at 15:42	20				0	

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# SB-8

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor    Midway Services	Drill Rig                      Geoprobe
Driller                      Mark Hicks                      License	Ground Elevation              Feet
Geologist                  Ryan Orzechowicz	Static Water Level              Feet
Date Drilled              7/27/16	Total Depth of borehole      22 Feet
Boring Diameter          2 Inches	Boring Method                  Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	ASPHALT						
	SAND, gray/black, fine to medium grained, moist, poorly graded					0	
	SILTY CLAY, brown/gray, slightly soft, slightly moist, slightly plastic, slight chemical odor from 4' - 8'	5				35.2	
						47.1	
						5.0	
						0	
			10			0	
	SAND, gray, fine to medium grained, saturated, trace gravel, poorly graded					0	
						0	
			15				0
						0	
		20				0	
						0	
	Boring terminated at 22' at 10:06						

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# SB-9

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/27/16	Total Depth of borehole	22 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	ASPHALT						
	SILTY CLAY, gray, slightly soft, moist, slightly plastic	0				0	
		1				0	
		2				0	
		3				0	
		4				0	
		5				0	
		6				0	
		7				0	
		8				0	
		9				0	
		10				0	
		11				0	
		12				0	
		13				0	
		14				0	
		15				0	
		16				0	
		17				0	
		18				0	
		19				0	
		20				0	
		21				0	
		22				0	
	Boring terminated at 22' at 11:37						

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# SB-10

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/28/16	Total Depth of borehole	20 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	CONCRETE						
	SILTY CLAY, brown, slightly soft, slightly moist, slightly plastic					0	
		5				0	
						0	
		10				0	
						0	
		15				0	
	SAND, gray, fine to medium grained, saturated, gravel, poorly graded					0	
	CLAY, brown, firm, slightly moist					0	
	Boring terminated at 20' at 9:43	20				0	

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# SB-11

5145-16-04      Former RCA Electronics      3324 East Michigan Street      Indianapolis, Indiana

Drilling Contractor	Midway Services	Drill Rig	Geoprobe
Driller	Mark Hicks      License	Ground Elevation	Feet
Geologist	Ryan Orzechowicz	Static Water Level	Feet
Date Drilled	7/28/16	Total Depth of borehole	18 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	CONCRETE						
	SILTY CLAY, brown, slightly soft, slightly moist, slightly plastic	0				0	
		1				0	
		2				0	
		3				0	
		4				0	
		5				0	
		6				0	
		7				0	
		8				0	
		9				0	
		10				0	
		11				0	
		12				0	
		13				0	
		14				0	
		15				0	
	SAND, gray, fine to medium grained, saturated, gravel, poorly graded	16				0	
		17				0	
		18				0	
	Boring terminated at 18' at 9:07	19				0	
		20				0	
		21				0	
		22				0	

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# SB-12

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~15
Date Drilled 8/8/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SAND, fine grained, slightly moist, poorly graded					0	
		5				0	
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity					0	
		10				0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
						0	
	10YR 6/1 Gray, SILT, firm, slightly moist					0	
	Boring terminated at 20' at 14:15	20					

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# SB-13

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~12
Date Drilled 8/10/17	Total Depth of Borehole 16 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

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Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	Boring terminated at 16' at 14:18						

# SB-14

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level 14
Date Drilled 8/10/17	Total Depth of Borehole 16 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	Boring terminated at 16' at 13:46						

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# SB-15

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~14
Date Drilled 8/10/17	Total Depth of Borehole 16 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	Boring terminated at 16' at 13:07						

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# SB-16

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~12
Date Drilled 8/10/17	Total Depth of Borehole 16 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push




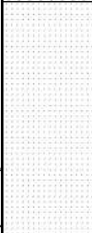


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Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	Boring terminated at 16' at 12:42						

# SB-17

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~15
Date Drilled 8/10/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 10:06						

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# SB-18

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~16
Date Drilled 8/10/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
						0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 9:31						

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# SB-19

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~14
Date Drilled 8/10/17	Total Depth of Borehole 16 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	Boring terminated at 16' at 10:58						

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# SB-20

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~16
Date Drilled 8/10/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push




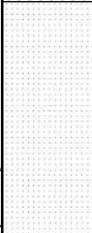


Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
	10YR 6/1 SILT, firm, slightly moist					0	
	Boring terminated at 20' at 11:24	20					

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# SB-21

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~15
Date Drilled 8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	15				0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 13:50						

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# SB-22

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~16
Date Drilled 8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
						0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 12:51						

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# SB-23

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/10/17	Total Depth of Borehole 26 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL					0	
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
		10				0	
						0	
		15				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
	10YR 6/1 Gray, SILT, firm, slightly moist					0	
	10YR 6/1 Gray, SAND, medium to coarse grained, wet, poorly graded	25				0	
	Boring terminated at 26' at 9:19						

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# SB-24

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/8/17	Total Depth of Borehole 24 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL					0	
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
		10				0	
						0	
		15				0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
						0	
	10YR 6/1 Gray, SILT, firm, slightly moist					0	
	Boring terminated at 24' at 15:51	25					

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# SB-25

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/8/17	Total Depth of Borehole 24 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL					0	
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
		10				0	
						0	
		15				0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
						0	
	10YR 6/1 Gray. SILT, firm, slightly moist					0	
	Boring terminated at 24' at 14:53	25					

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# SB-26

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/9/17	Total Depth of Borehole 24 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL					0	
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
		10				0	
						0	
		15				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
	10YR 6/1 Gray, SILT, firm, slightly moist					0	
	Boring terminated at 24' at 9:10	25					

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# SB-27

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana






Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/9/17	Total Depth of Borehole 24 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

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Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL					0	
	10YR 4/3 Brown, SAND, fine grained, slightly moist, trace gravel, poorly graded					0	
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
		10				0	
						0	
		15				0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
						0	
	10YR 6/1 Gray, SILT, firm, slightly moist					0	
	Boring terminated at 24' at 10:08	25					

# SB-28

5145-17-05	Former RCA Electronics-Parcel B	3324 East Michigan Street Indianapolis, Indiana
Drilling Contractor	Midway Services, Inc.	Drill Rig Geoprobe
Driller	Mark Hicks License 1946WD	Ground Elevation
Geologist	Ryan Orzechowicz	Static Water Level ~18
Date Drilled	8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter	2.25 Inches	Boring Method Direct Push




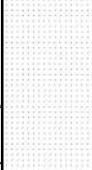

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion	
	GRAVEL							
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity					0		
		5				0		
						0		
						0		
						0		
			10			0		
						0		
						0		
			15			0		
							0	
						0		
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0		
	Boring terminated at 20' at 11:12	20						

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# SB-29

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~16
Date Drilled 8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 11:37						

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# SB-30

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/10/17	Total Depth of Borehole 36 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

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Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL 10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	0				0	
		5				0	
		10				0	
		15				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded	20				0	
	10YR 6/1 Gray, SILT, firm, slightly moist	25				0	
	10YR 6/2 Gray, SAND, fine to medium grained, slightly moist	30				0	
	10YR 6/1 Gray, SILT, very firm, dry,	35				0	
	Boring terminated at 36' at 11:58					0	

# SB-31

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~16
Date Drilled 8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
						0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 13:11						

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# SB-32

5145-17-05 Former RCA Electronics-Parcel B 3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor	Midway Services, Inc.	Drill Rig	Geoprobe
Driller	Mark Hicks License 1946WD	Ground Elevation	
Geologist	Ryan Orzechowicz	Static Water Level	~12
Date Drilled	8/9/17	Total Depth of Borehole	20 Feet
Boring Diameter	2.25 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity					0	
		5				0	
						0	
						0	
		10				0	
	10YR 4/3 Brown, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
		15				0	
						0	
	Boring terminated at 20' at 14:17	20					

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# SB-33

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~18
Date Drilled 8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
						0	
						0	
						0	
		10				0	
						0	
						0	
		15				0	
						0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
	Boring terminated at 20' at 15:55	20					




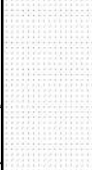

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# SB-34

5145-17-05      Former RCA Electronics-Parcel B      3324 East Michigan Street Indianapolis, Indiana

Drilling Contractor Midway Services, Inc.	Drill Rig Geoprobe
Driller Mark Hicks License 1946WD	Ground Elevation
Geologist Ryan Orzechowicz	Static Water Level ~16
Date Drilled 8/9/17	Total Depth of Borehole 20 Feet
Boring Diameter 2.25 Inches	Boring Method Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	GRAVEL						
	10YR 4/3 Brown, SILTY CLAY, slightly moist, slightly soft, low to moderate plasticity	5				0	
	10YR 6/1 Gray, SAND, fine to medium grained, saturated, trace gravel, poorly graded					0	
	10YR 6/1 Gray, SILT, firm, slightly moist	20				0	
	Boring terminated at 20' at 14:45						

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**APPENDIX B**  
**Low-Flow Sampling Data Sheets**

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET



Sample ID: RB-GW-SB-12+MS/MSD

Boring or Well ID: \_\_\_\_\_

Sample Date & Time: August 15, 2017

Lab No.: \_\_\_\_\_

Boring or Well Location: \_\_\_\_\_

Client: Former RCA Parcel B

Sampling Personnel: David Nye

Project No.: 5145-17-05:03

Weather: Slightly cloudy

Ground: dry

Site Location: 3324 East Michigan Street, Indianapolis, IN

Temp.: 84.0F

Humidity: Moderate / Low / \_\_\_\_\_ %

Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): 14.54 Ft SWL Elevation: (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 18.91 Ft TOC to Grade: 0.74 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d<sup>2</sup>x0.04079): 0.9 Gall/Ft Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: \_\_\_\_\_ Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 18 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make/Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None (Color: Gray / Brown / Tan / )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_ Were Samples Iced after Collection? YES / NO /

TIME	PURGING	TEMPERATURE (degrees C) 3%			SPECIFIC CONDUCTIVITY (mS/cm) 3%			DISSOLVED OXYGEN (mg/l) 10%			pH (pH units) 0.1 units			TURBIDITY (NTU) 10%			ORP (mv) Indiana 10 mv			PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	NA	READING	CHANGE*	NA	READING	CHANGE*	NA	READING	CHANGE*	NA	READING	CHANGE*	NA	READING	CHANGE*	NA		
1320		26.98	NA	0.416	NA	9.21	NA	6.94	NA	80	NA								200		
1326		21.11		1.72		0.00		6.96		-16									200		
1329		20.55	2.7	1.74	1.2	0.00	0	6.91	0.05	-22	6							200			
1332		20.08	2.3	1.76	1.1	0.00	0	6.88	0.03	-23	1							190			
1335		19.96	0.6	1.76	0	0.00	0	6.87	0.01	-24	1							190			

COMMENTS:

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-13      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 15, 2017      Client: Former RCA Parcel B  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Precipitation: None      Laboratory: Pace Analytical, Indianapolis, IN  
 Sampling Personnel: David Nye      Wind: 5-10 mph      Humidity: Moderate / Low / \_\_\_\_\_ %  
 Weather: Sky Mostly cloudy      Ground: dry

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 8.96 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 16.65 Ft      TOC to Grade: 1.16 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.1 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 15.5 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make /Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes (None) / Yes & No / Metals Not Sampled      Water Sample Appearance: Clear / Slightly Turbid / Moderately Turbid / Very Turbid ( )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      (Color: Gray / Brown / Tan / )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_      Were Samples Iced after Collection? YES / NO /

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1440	24.16	0.497	NA	8.73	NA	7.61	NA	194	NA	210			
1446	20.30	1.22		0.00		7.05		-90		210			
1449	20.13	0.8	0.8	0.00	0	7.02	0.03	-90	0	200			
1452	19.96	0.8	0	0.00	0	6.99	0.03	-89	1	200			
1455	19.81	0.8	0	0.00	0	6.97	0.02	-90	1	200			

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET FD-4

Sample ID: RB-GW-SB-14+FD-4 Boring or Well ID: \_\_\_\_\_ Sample Date & Time: August 15, 2017  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_ Client: Former RCA Parcel B  
 Sampling Personnel: David Nye Project No.: 5145-17-05:03  
 Weather: Sky: Mostly cloudy Ground: dry Wind: 5-10 mph Precipitation: none Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.: 87°F Humidity: High / Moderate / Low % Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 10.33 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 15.95 Ft TOC to Grade: 0.95 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.2 Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 15 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None (Color: Gray / Brown / Tan )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_ Were Samples Iced after Collection? YES / NO /

TIME	PURGING	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1535		26.22	NA	0.522	NA	8.61	NA	7.53	NA	75	NA	210			
1541		21.65		1.28		0.00		7.07		-83		210			
1544		21.03	2.9	1.29	0.8	0.00	0	7.03	0.04	-83	0	210			
1547		20.56	2.2	1.30	0.8	0.00	0	6.98	0.05	-83	0	210			
1550		20.53	0.1	1.30	0	0.00	0	6.97	0.01	-83	0	200			

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
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# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET



Sample ID: RB-GW-SB-15      Boring or Well ID:         Sample Date & Time: August 15, 2017  
 Lab No.:         Boring or Well Location:         Client: Former RCA Parcel B  
 Sampling Personnel: David Nye      Project No.: 5145-17-05:03  
 Weather:         Sky:         Ground:         Precipitation:    %      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.:         Humidity:    /    /    %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle)  Permanent Monitoring Well /  Temporary Monitoring Well /  Geoprobe® SP16 Sampler / Other:     
 Well / Sampler Material: (circle)  PVC /  Stainless /  Galvanized / Other:     
 Screen / Casing Inside Diameter:    Inches      Screened / Open Interval:    Ft      Screen Slot Size:    Ft  
 Elevation Top of Casing (TOC):    Ft      Grade Elevation:    Ft      Survey Info:     
 SWL Depth from TOC (prior to purge): 11.37 Ft      SWL Elevation (prior to purge):    Ft  
 Well / Sampler Depth from TOC: 11.79 Ft      TOC to Grade:    Ft      Well Depth from Grade:    Ft  
 Volume/Foot Casing (d<sup>2</sup>x0.04079):    Gall/Ft      Volume of Water Column:    Gallons  
 Volume of Water Purged:    Gallons      Well Volume Purged: (circle)    1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle)  Bladder Pump / other:         Pump Intake Depth:    Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model:         Tubing Type (circle):  Teflon® FEP (inner)-HDPE (outer) /  Teflon® FEP / LDPE / Other:     
 Tubing Diameter: (circle)    0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other:     
 Were Metals Filtered Prior to Preservation?: (circle) Yes /  No / Yes & No / Metals Not Sampled  
 Filtration Method: (  Gravity /  Vacuum / Pressure ) None  
 Filter: (  Cartridge /  Paper ) Type:    Size:    Pore:     
 Water Sample Appearance: (  Clear /  Slightly Turbid /  Moderately Turbid /  Very Turbid )  
 (Color:  Gray /  Brown /  Tan /  )  
 Were Samples Iced after Collection?  YES /  NO /

TIME	PUMPING	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	
			NA		NA		NA		NA		NA		NA	

ND  
 not enough of a water sample

COMMENTS:     
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
 Heartland Environmental Associates Inc - 3410 Mishawaka Ave - South Bend Indiana 46615 - (571) 290-1101

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-16      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 15, 2017  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Client: Former RCA Parcel B  
 Sampling Personnel: David Nye      Project No.: 5145-17-05:03  
 Weather: Sky is clear and Ground: dry      Wind: 5-10 mph      Precipitation: none      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.: 85.0 F      Humidity: High / Moderate / Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ / \_\_\_\_\_ inches      Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_  
 Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 12.90 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 17.24 Ft      TOC to Grade: 1.9 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.0479): \_\_\_\_\_ Gal/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.2 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 16 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No      Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Water Sample Appearance: (Clear) / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_      Pore: \_\_\_\_\_      Were Samples Iced after Collection? (YES) / NO / \_\_\_\_\_  
 Color: Gray / Brown / Tan / \_\_\_\_\_

TIME	PUMPING	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	
1720		20.75	0.172	NA	6.41	NA	7.88	NA	10.2	NA	210		
1726		20.53	1.68	0.00	6.79	0.05	-45				210		
1729		19.95	2.8	1.2	6.74	0.03	-49				210		
1732		19.68	1.4	0.6	6.71	0.01	-51				210		
1735		19.53	0.8	0	6.70	0.01	-52				210		

COMMENTS: \_\_\_\_\_

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

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# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-17 Boring or Well ID: \_\_\_\_\_  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_  
 Sampling Personnel: David Nye Former RCA Parcel B  
 Weather: Sky Partly Cloudy Wind: 5-10 mph Project No.: 5145-17-05:03  
 Temp.: 85F Humidity: High / Moderate / Low / \_\_\_\_\_ % Precipitation: None  
 Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): 10.45 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 14.63 Ft TOC to Grade: 1.35 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gall/Ft Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 0.3 Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 13.5 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_  
 Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 (Color: Gray / Brown / Tan / )  
 Were Samples Iced after Collection? YES / NO /

TIME	PURGING	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1805		26.15	NA	0.65	NA	6.62	NA	7.40	NA	80	NA	80	100		
1811		20.55		1.76		7.28		7.41		84		84	84		
1814		20.31	1.2	1.75	0.6	7.31	0.4	7.38	0.03	82	2	82	62		
1817		20.17	0.7	1.80	2.9	7.42	1.5	7.36	0.02	80	2	80	46		
1820		20.02	0.17	1.81	0.6	7.48	0.8	7.34	0.02	82	2	82	38		

COMMENTS: had to allow well to recharge to fill containers

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.



# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-18      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 16, 2017  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Client: Former RCA Parcel B  
 Sampling Personnel: David Nye      Project No.: 5145-17-05-03  
 Weather: Sky: clear      Ground: dry      Wind: 0-5 mph      Precipitation: none  
 Temp: 71.0 F      Humidity: High      Moderate / Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary-Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 11.24 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 Well / Sampler Depth from TOC: 19.58 Ft      TOC to Grade: 0.85 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gal/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.0 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 18.5 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes (No) / Yes & No / Metals Not Sampled      Water Sample Appearance: (clear) Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      (Color: Gray / Brown / Tan / )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_      Were Samples Iced after Collection? (YES) / NO /

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft. below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0755	23.33	0.662	NA	2.61	NA	8.13	NA	105	NA	200			
0801	19.04	1.59		0.11		7.61		-72		200			
0804	18.41	1.69		0.00		7.07		-69					
0807	17.84	1.73	2.4	0.00	0	6.99	0.08	-67	2				
0810	17.07	1.77	2.3	0.00	0	6.92	0.07	-65	2				
0813	17.58	1.80	1.7	0.00	0	6.90	0.02	-65	0				

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-19 Boring or Well ID: \_\_\_\_\_ Sample Date & Time: August 16, 2017  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_ Client: Former RCA Parcel B  
 Sampling Personnel: David Nye Project No.: 5145-17-05:03  
 Weather: Sky: clear Ground: dry Wind: 0-5 mph Precipitation: 0% Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp: 76°F Humidity: High Moderate / Low / \_\_\_\_\_ % Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): 5.5 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 11.15 Ft TOC to Grade: 1.25 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: \_\_\_\_\_ Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 10 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_  
 Water Sample Appearance: Clear / Slightly Turbid / Moderately Turbid / Very Turbid (Color: Gray / Brown / Tan / 11.96 )  
 Were Samples Iced after Collection? YES / NO /

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0850	21.29	6.481	NA	1.030	NA	7.52	NA	55	NA	50			
0856	20.55	1.31		0.62		7.19		-1		36			
0859	20.36	0.9	2.3	0.56	9.7	7.12	0.07	-1	0	42			
0902	20.18	0.9	0.8	0.51	8.9	7.11	0.01	0	1	40			
0905	20.10	0.4	0.8	0.46	9.8	7.10	0.01	-1	1	40			

COMMENTS: Slow recharging had to keep turning on & off to fill sample containers  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-20      Boring or Well ID:                           Sample Date & Time: August 16, 2017  
 Lab No.:                           Boring or Well Location:                           Client: Former RCA Parcel B  
 Sampling Personnel: David Nye      Project No.: 5145-17-05.03  
 Weather: Sky: clear      Ground: dry      Wind: 0-5 mph      Precipitation: None      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.: 81°F      Humidity: High      Moderate / Low /        %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other:                       
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other:                           Screen Slot Size:                      Ft  
 Screen / Casing Inside Diameter:                      Inches      Screened / Open Interval:                      Ft  
 Elevation Top of Casing (TOC):                      Ft      Grade Elevation:                      Ft  
 SWL Depth from TOC (prior to purge): 11.97 Ft      SWL Elevation (prior to purge):                      Ft  
 Well / Sampler Depth from TOC: 18.50 Ft      TOC to Grade: 0.19 Ft      Well Depth from Grade:                      Ft  
 Volume/Foot Casing (d²x0.04079):                      Gall/Ft      Volume of Water Column:                      Gallons  
 Volume of Water Purged: 1.3 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other:                           Pump Intake Depth: 17 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model:                           Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other:                       
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other:                       
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No      Yes & No / Metals Not Sampled      Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Filter: ( Cartridge / Paper ) Type:                           Size:                           Pore:                       
 Were Samples Iced after Collection? YES / NO /                           Color: Gray / Brown / Tan /                     

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0955	23.10	0.402	NA	4.64	NA	7.50	NA	101	NA	101	NA	180	
1001	20.33	1.03		0.05		7.39		-45		-45		176	
1004	19.27	1.01		0.00		7.59		-102		-102		176	
1007	19.71	1.14		0.00		7.40		-119		-119		180	
1010	19.00	1.5	2.6	0.00	0	7.30	0.10	-123		-123	4	176	
1013	18.71	1.5	2.6	0.00	0	7.21	0.09	-118		-118	5	176	
1016	18.54	0.9	1.5	0.00	0	7.12	0.09	-114		-114	4	180	

COMMENTS:                     

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

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# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample Date & Time: August 16, 2017

Client: Former RCA Parcel B

Project No.: 5145-17-05:03

Site Location: 3324 East Michigan Street, Indianapolis, IN

Laboratory: Pace Analytical, Indianapolis, IN

Boring or Well ID: RB-GW-SB-21

Boring or Well Location: 1135

Wind: S-20 mph

Humidity: High / Moderate / Low / %

Sampling Personnel: David Nye

Weather: Sky mostly cloudy

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_

Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_

Screen / Casing Inside Diameter: L Inches Screened / Open Interval: \_\_\_\_\_ Ft

Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft

SWL Depth from TOC (prior to purge): 12.80 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft

Well / Sampler Depth from TOC: 19.79 Ft TOC to Grade: 1.25 Ft

Volume/Foot Casing (d²x0.04079): 1.5 Gal/Ft Volume of Water Column: \_\_\_\_\_ Gallons

Volume of Water Purged: \_\_\_\_\_ Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 18.5 Ft below TOC Field Meter Type(s): Horiba U-52

Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_

Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_

Were Metals Filtered Prior to Preservation?: (circle) Yes / No Yes & No / Metals Not Sampled

Water Sample Appearance: (Clear) / Slightly Turbid / Moderately Turbid / Very Turbid / (Color: Gray / Brown / Tan / )

Filtration Method: ( Gravity / Vacuum / Pressure ) None

Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_

Were Samples Iced after Collection? YES / NO /

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1110	27.45	1.01	NA	1.17	NA	17.30	NA	0	NA	0	NA	210	
1116	19.86	0.871		0.00		11.45		-60		-60		200	
1119	19.50	0.868		0.00		10.34		-48		-48		200	
1122	19.38	0.874	0.7	0.00	0	10.29	0.05	-43	6	-43	6	200	
1125	19.22	0.8	2.2	0.00	0	10.19	0.10	-50	8	-50	8	200	
1128	19.16	0.3	1.7	0.00	0	10.09	0.10	-60	10	-60	10	200	

COMMENTS: \_\_\_\_\_

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

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# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB- 22      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 16, 2017      Former RCA Parcel B  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Client: \_\_\_\_\_      Project No.: 5145-17-05.03  
 Sampling Personnel: David Nye      Wind: S-W-Swamp      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Weather: SKY: mostly cloudy      Precipitation: None      Laboratory: Pace Analytical, Indianapolis, IN  
 Temp: 85°F      Humidity: High / Moderate / Low / \_\_\_\_\_ %

Sample Type: (circle) Permanent Monitoring Well / Temporary-Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 12.09 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 19.75 Ft      TOC to Grade: 0.4 Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gal/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.4 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 18.5 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make /Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled      Water Sample Appearance: Clear / Slightly Turbid / Moderately Turbid / Very Turbid /  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Color: Gray / Brown / Tan / \_\_\_\_\_  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_      Were Samples Iced after Collection? YES / NO / \_\_\_\_\_

TIME	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1210	29.06	NA	0.340	NA	8.72	NA	9.36	NA	4.7	NA	4.7	NA	210	
1216	19.02		0.830		0.00		9.02		-4		-4		210	
1219	18.92		0.859		0.00		8.46		-108		-108		210	
1222	18.80		0.875		0.00		8.28		-146		-146		200	
1225	18.57	1.2	0.890	1.7	0.00	0	8.18	0.10	-147		-147		200	
1228	18.54	0.2	0.906	1.8	0.00	0	8.09	0.09	-145		-145		200	
1231	18.48	0.3	0.911	1.0	0.00	0	7.99	0.10	-141		-141		200	

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

FD-5 1335  
FD-5 1330

Sample ID: RB-GW-SB-237 FD-5 Boring or Well ID: \_\_\_\_\_ Sample Date & Time: August 16, 2017  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_ Client: Former RCA Parcel B  
 Sampling Personnel: David Nye Project No.: 5145-17-05:03  
 Weather: Sky overcast Ground: dry Precipitation: None Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.: 85.0F Humidity: Moderate / High / Low / \_\_\_\_\_ % Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): \_\_\_\_\_ Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: \_\_\_\_\_ Ft TOC to Grade: (-0.38) Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: \_\_\_\_\_ Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 24 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_  
 Water Sample Appearance: (circle) Clear / Slightly Turbid / Moderately Turbid / Very Turbid /  
 (Color: Gray / Brown / Tan / )  
 Were Samples Iced after Collection? YES / NO /

TIME	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv	
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*
1305			25.15	NA	0.878	NA	8.68	NA	8.30	NA			45	NA
1311			21.60		1.31		0.20		7.18				-137	
1314			21.27	1.5	1.32	0.8	0.00	0	7.14	0.04			-147	10
1317			21.12	0.17	1.33	0.8	0.00	0	7.10	0.04			-157	10
1320			21.04	0.4	1.34	0.8	0.00	0	7.09	0.01	65.7		-165	8

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
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# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-24 Boring or Well ID: \_\_\_\_\_ Sample Date & Time: August 16, 2017 1445  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_ Client: Former RCA Parcel B  
 Sampling Personnel: David Nye Project No.: 5145-17-05:03  
 Weather: SKY mostly cloudy Ground: dry Wind: S-10 mph Precipitation: NO  
 Temp.: 88.8 Humidity: High / Moderate / Low / \_\_\_\_\_ % Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): 14.28 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 22.93 Ft TOC to Grade: 0.47 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²X0.04079): 0.9 Gallons Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: \_\_\_\_\_ Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 21.5 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make /Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_ Were Samples Iced after Collection? YES / NO /

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1420	31.33	0.922	NA	1.53	NA	7.26	NA	-5	NA	190			
1426	22.29	1.21		0.00		7.03		-75		190			
1429	21.99	1.3	0	0.00	0	6.98	0.05	-76		180			
1432	21.90	1.21	0	0.00	0	6.96	0.02	-76	0	180			
1435	21.81	1.21	0	0.00	0	6.95	0.01	-76	0	180			

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
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# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-25      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 16, 2017      Client: Former RCA Parcel B  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Project No.: 5145-17-05:03  
 Sampling Personnel: David Nye      Wind: S-W      Precipitation: None      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Weather: Sunny      Ground: dry      Humidity: Moderate / Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN  
 Temp: 86.6

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: 1 Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_  
 Elevation Top of Casing (TOC): 21.43 Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 14.33 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: \_\_\_\_\_ Ft      TOC to Grade: 1.66      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume/Foot Casing (d²X0.04079): 1.6 Gal/Ft      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 20 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make /Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Metals Not Sampled      Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      (Color: Gray / Brown / Tan / \_\_\_\_\_ )  
 Filter: ( Cartridge / Paper ) \_\_\_\_\_ Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_      Were Samples Iced after Collection? YES / NO / \_\_\_\_\_

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
<u>1510</u>	<u>31.25</u>	<u>0.75</u>	NA	<u>8.00</u>	NA	<u>7.46</u>	NA	<u>73</u>	NA	<u>200</u>			
<u>1516</u>	<u>20.82</u>	<u>1.24</u>		<u>0.00</u>		<u>7.00</u>		<u>-88</u>		<u>200</u>			
<u>1519</u>	<u>19.50</u>	<u>1.30</u>		<u>0.00</u>		<u>6.94</u>		<u>-91</u>		<u>200</u>			
<u>1522</u>	<u>19.04</u>	<u>2.4</u>	<u>1.5</u>	<u>0.00</u>	<u>0</u>	<u>6.90</u>	<u>0.024</u>	<u>-90</u>	<u>1</u>	<u>200</u>			
<u>1525</u>	<u>18.76</u>	<u>1.34</u>	<u>1.5</u>	<u>0.00</u>	<u>0</u>	<u>6.87</u>	<u>0.03</u>	<u>-89</u>	<u>1</u>	<u>200</u>			
<u>1528</u>	<u>18.40</u>	<u>1.9</u>	<u>0.7</u>	<u>0.00</u>	<u>0</u>	<u>6.84</u>	<u>0.03</u>	<u>-86</u>	<u>3</u>	<u>200</u>			

COMMENTS: \_\_\_\_\_  
 \*indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
 Heartland Environmental Associates Inc - 2440 Michauels Ave - South Bend Indiana 46615 (574) 280-1101



# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET



**Sample ID:** RB-GW-SB-26      **Boring or Well ID:** \_\_\_\_\_  
**Lab No.:** \_\_\_\_\_      **Boring or Well Location:** \_\_\_\_\_  
**Sampling Personnel:** David Nye      **Sample Date & Time:** August 16, 2017  
**Weather:** sky cloudy      **Ground:** dry      **Wind:** 3-10 mph      **Client:** Former RCA Parcel B  
**Temp.:** 86.0 F      **Humidity:** Moderate      **Precipitation:** none      **Project No.:** 5145-17-05:03  
**Ground:** \_\_\_\_\_      **Low / Moderate / High**      \_\_\_\_\_      **Site Location:** 3324 East Michigan Street, Indianapolis, IN  
**Humidity:** \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      **Laboratory:** Pace Analytical, Indianapolis, IN

**Sample Type:** (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
**Well / Sampler Material:** (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
**Screen / Casing Inside Diameter:** \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft  
**Elevation Top of Casing (TOC):** \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
**SWL Depth from TOC (prior to purge):** 14.97 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
**Well / Sampler Depth from TOC:** 24.41 Ft      TOC to Grade: 2.0 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
**Volume/Foot Casing (d³x0.04079):** \_\_\_\_\_ Gall/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
**Volume of Water Purged:** 0.8 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

**Pump Type:** (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 23 Ft below TOC      Field Meter Type(s): Horiba U-52  
**Pump Make / Model:** \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
**Tubing Diameter (circle)** 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
**Were Metals Filtered Prior to Preservation?:** (circle) Yes (No)      Yes & No / Metals Not Sampled      Water Sample Appearance: Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
**Filtration Method:** ( Gravity / Vacuum / Pressure / None )      Were Samples Iced after Collection? (Yes) / NO / \_\_\_\_\_  
**Filter:** ( Cartridge / Paper ) Type: \_\_\_\_\_      Pore: \_\_\_\_\_      Color: Gray / Brown / Tan / \_\_\_\_\_

TIME	PUMPING	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	
1610		28.39	NA	0.877	NA	9.07	NA	7.29	NA	82	NA	200		
1616		20.20		1.27		0.00		7.01		-77		190		
1619		20.05	0.7	1.27	0	0.00	0	6.95	0.06	-77	0	184		
1622		19.87	0.9	1.28	0.8	0.00	0	6.92	0.03	-77	0	184		
1625		19.83	0.2	1.28	0	0.00	0	6.87	0.05	-77	0	180		

**COMMENTS:** \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
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**LOW-FLOW GROUNDWATER SAMPLING DATA SHEET**

Sample ID: RB-GW-SB-27      Boring or Well ID: \_\_\_\_\_  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_  
 Sampling Personnel: David Nye      Former RCA Parcel B  
 Sky: \_\_\_\_\_      Wind: \_\_\_\_\_      Precipitation: \_\_\_\_\_  
 Weather: \_\_\_\_\_      Humidity: High / Moderate / Low / \_\_\_\_\_ %  
 Temp.: \_\_\_\_\_

Sample Date & Time: August 16, 2017      Sample Date & Time: August 16, 2017  
 Client: \_\_\_\_\_      Project No.: 5145-17-05:03  
 Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) RVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): 3.04 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 18.86 Ft      TOC to Grade: 21.6 Ft  
 Volume/Foot Casing (d<sup>2</sup>x0.04079): \_\_\_\_\_ Gallons      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: \_\_\_\_\_ Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 17.5 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No      Yes & No / Metals Not Sampled      Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_  
 Were Samples Iced after Collection? YES / NO /

TIME	PUMPING RATE (ml/min)	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	
1700		NA		NA		NA		NA		NA		NA	

COMMENTS: Very slow recharging long time to fill containers - did not try to fill flow cell took 4hr to get 500ml containers

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.



# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-28 Boring or Well ID: \_\_\_\_\_ Sample Date & Time: August 16, 2017  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_ Client: Former RCA Parcel B  
 Sampling Personnel: David Nye Project No.: 5145-17-05:03  
 Weather: Sky: mostly cloudy Wind: 5-10 mph Precipitation: \_\_\_\_\_ Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.: 87°F Humidity: Moderate / Low / \_\_\_\_\_ % Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 12.86 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 20.516 Ft TOC to Grade: 0.75 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 0.18 Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 19 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled Water Sample Appearance: (Clear) / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None Were Samples Iced after Collection? (YES) / NO / \_\_\_\_\_  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1805	25.18	0.528	NA	8.41	NA	7.44	NA	98	NA	200			
1811	20.44	1.12		0.00		7.04		-73		200			
1814	20.09	1.7	1.8	0.00	0	6.98	0.06	-71	2	190			
1817	19.97	0.6	0.9	0.00	0	6.90	0.08	-69	2	190			
1820	19.86	0.6	0.9	0.00	0	6.87	0.03	-68	1	190			

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.  
 Heartland Environmental Associates Inc • 2410 Michigan Ave • South Bend Indiana 46616 • (571) 290-1101

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET



Sample ID: RB-GW-SB-29      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 16, 2017      1920  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Client: Former RCA Parcel B  
 Sampling Personnel: David Nye      Project No.: 5145-17-05/03  
 Weather: Slightly cloudy      Ground: dry      Wind: 10-15 mi/h      Precipitation: none  
 Temp.: 86.0 F      Humidity: Moderate      Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) 316L / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 12.83 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 19.67 Ft      TOC to Grade: 0.86 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gall/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 10 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 18.5 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / (No) \_\_\_\_\_      Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_      Pore: \_\_\_\_\_      Color: Gray / Brown / tan / \_\_\_\_\_  
 Were Samples Used after Collection? YES / NO / \_\_\_\_\_

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1900	25.43	0.241	NA	2.50	NA	7.52	NA	71	NA	210			
1906	21.09	1.05		0.00		7.26		-100		210			
1909	20.55	1.02	2.9	0.00	0	7.22	0.04	-102	2	200			
1912	20.05	2.4	1.05	2.9	0	7.17	0.05	-103	1	200			
1915	19.91	0.0	1.0	0.00	0	7.15	0.02	-103	0	200			

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-30      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 17, 2017      Client: Former RCA Parcel B  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Project No.: 5145-17-05:03  
 Sampling Personnel: David Nye      Wind: 13-15 mph      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Weather: Sky: overcast      Humidity: High / Moderate / Low / \_\_\_\_\_ %      Precipitation: none      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 14.16 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 21.98 Ft      TOC to Grade: 1.65 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d<sup>2</sup>x0.04079): \_\_\_\_\_ Gall/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.0 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 20.5 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled      Water Sample Appearance: Clear / Slightly Turbid / Moderately Turbid / Very Turbid  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      (Color: Gray / Brown / Tan / Light )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_      Were Samples Iced after Collection? YES / NO /

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0815	26.25	0.732	NA	9.91	NA	7.66	NA	114	NA	210			
0821	19.93	1.39		0.00		7.16		-90					
0824	19.71	1.1	2.2	0.00	0	7.14	0.02	-91	1				
0827	19.45	1.3	1.4	0.00	0	7.10	0.04	-94	3				
0830	19.28	0.9	1.4	0.00	0	7.08	0.02	-94	0	200			

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET



Sample ID: RB-GW-SB-31      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 17, 2017      0940  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Client: Former RCA Parcel B  
 Sampling Personnel: David Nye      Project No.: 5145-17-05:03  
 Sky: overcast      Ground: dry      Precipitation: none      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Weather: \_\_\_\_\_      Humidity: High      Moderate / Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 13.33 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 20.61 Ft      TOC to Grade: 0.75 Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.2 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 19 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / (No) \_\_\_\_\_      Yes & No / Metals Not Sampled      Water Sample Appearance: (circle) Clear / Slightly Turbid / Moderately Turbid / Very Turbid /  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      (Color: Gray / Brown / Tan / )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_      Were Samples Iced after Collection? (YES / NO / )

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0910	23.98	0.378	NA	9.60	NA	1.14	NA	84	NA	210			
0916	20.77	5.15		0.00		12.72		-122		210			
0919	20.43	5.25		0.00		12.74		-147		210			
0922	20.38	0.2	0.6	0.00	0	12.76	0.01	-155	8	210			
0925	20.26	0.6	0.4	0.00	0	12.76	0	-165	10				
0928	20.21	0.2	0	0.00	0	12.77	0.01	-175	10				

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-32      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 17, 2017      Client: Former RCA Parcel B  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Project No.: 5145-17-05:03  
 Sampling Personnel: David Nye      Wind: 15-20 mph      Precipitation: none      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Weather: Sky: overcast      Ground: dry      Humidity: High / Moderate / Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN  
 Temp.: 80°F

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 SWL Depth from TOC (prior to purge): 5.03 Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft      Well Depth from Grade: \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 16.51 Ft      TOC to Grade: 1.6 Ft  
 Volume/Foot Casing (d<sup>2</sup>x0.04079): \_\_\_\_\_ Gal/Ft      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 1.2 Gallons      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 15 Ft below TOC      Field Meter Type(s): Horiuba U-52  
 Pump Make /Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No      Yes & No / Metals Not Sampled      Water Sample Appearance: Clear Slightly Turbid / Moderately Turbid / Very Turbid /  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Color: Gray / Brown / Tan / \_\_\_\_\_  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_      Were Samples Iced after Collection? YES / NO / \_\_\_\_\_

TIME	PUMPING	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft. below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1015		24.80	0.91	NA	1.38	NA	7.11	NA	-31	NA	210			
1021		21.96	4.96		0.00		12.85		-54		210			
1024		22.06	5.17		0.00		12.87		-194					
1027		22.10	5.16	0.2	0.00	0	12.87	0	-203	9				
1030		22.22	5.25	1.7	0.00	0	12.86	0.01	-213	10				
1033		22.25	5.29	0.4	0.00	0	12.88	0.02	-223	10				

COMMENTS: \_\_\_\_\_  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-33      Boring or Well ID: \_\_\_\_\_      Sample Date & Time: August 17, 2017      Former RCA Parcel B      /200  
 Lab No.: \_\_\_\_\_      Boring or Well Location: \_\_\_\_\_      Client: \_\_\_\_\_  
 Sampling Personnel: David Nye      Project No.: 5145-17-05:03  
 Weather: SKY: overcast      Ground: Wet      Precipitation: none      Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp: 78°F      Humidity: High      Moderate / Low / \_\_\_\_\_ %      Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches      Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft      Grade Elevation: \_\_\_\_\_ Ft      Screen Slot Size: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): \_\_\_\_\_ Ft      SWL Elevation (prior to purge): \_\_\_\_\_ Ft      Survey Info: \_\_\_\_\_  
 Well / Sampler Depth from TOC: \_\_\_\_\_ Ft      TOC to Grade: 1.2      Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gallons      Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 0.8      Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_      Pump Intake Depth: 18 Ft below TOC      Field Meter Type(s): Horiba U-52  
 Pump Make /Model: \_\_\_\_\_      Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No      Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None      Water Sample Appearance: ( Clear / Slightly Turbid / Moderately Turbid / Very Turbid )  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_      Pore: \_\_\_\_\_      Size: \_\_\_\_\_      (Color: Gray / Brown / Tan / \_\_\_\_\_ )  
 Were Samples Iced after Collection? YES / NO / \_\_\_\_\_

TIME	TEMPERATURE (degrees C) 3%	SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1130		25.18	NA	9.13	NA	10.02	NA	-2	NA	190			
1136		22.59		0.68		11.70		-81		180			
1139		22.45		0.00		11.67		-82		160			
1142		22.64	0.18	0.00	0	11.65	0.02	-77	5	150			
1145		22.84	0.9	0.00	0	11.66	0.01	-68	9	160			
1148		22.97	0.16	0.00	0	11.67	0.01	-63	5	160			

COMMENTS: had to keep turning on & off to fill sample containers  
 \*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.



# LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Sample ID: RB-GW-SB-34 Boring or Well ID: \_\_\_\_\_ Sample Date & Time: August 17, 2017  
 Lab No.: \_\_\_\_\_ Boring or Well Location: \_\_\_\_\_ Client: Former RCA Parcel B  
 Sampling Personnel: David Nye Project No.: 5145-17-05.03  
 Weather: Sky: partly cloudy Ground: clay Wind: 20-25 mph Precipitation: none Site Location: 3324 East Michigan Street, Indianapolis, IN  
 Temp.: 81°F Humidity: High Moderate / Low / \_\_\_\_\_ % Laboratory: Pace Analytical, Indianapolis, IN

Sample Type: (circle) Permanent Monitoring Well / Temporary Monitoring Well / Geoprobe® SP16 Sampler / Other: \_\_\_\_\_  
 Well / Sampler Material: (circle) PVC / Stainless / Galvanized / Other: \_\_\_\_\_  
 Screen / Casing Inside Diameter: \_\_\_\_\_ Inches Screened / Open Interval: \_\_\_\_\_ Ft  
 Elevation Top of Casing (TOC): \_\_\_\_\_ Ft Grade Elevation: \_\_\_\_\_ Ft  
 SWL Depth from TOC (prior to purge): 12.26 Ft SWL Elevation (prior to purge): \_\_\_\_\_ Ft  
 Well / Sampler Depth from TOC: 27.41 Ft TOC to Grade: 1.1 Ft Well Depth from Grade: \_\_\_\_\_ Ft  
 Volume/Foot Casing (d²x0.04079): \_\_\_\_\_ Gal/Ft Volume of Water Column: \_\_\_\_\_ Gallons  
 Volume of Water Purged: 10 Gallons Well Volume Purged: (circle) 1 2 3 4 5 6 7 8 9 10 well volumes

Pump Type: (circle) Bladder Pump / other: \_\_\_\_\_ Pump Intake Depth: 21 Ft below TOC Field Meter Type(s): Horiba U-52  
 Pump Make / Model: \_\_\_\_\_ Tubing Type (circle): Teflon® FEP (inner)-HDPE (outer) / Teflon® FEP / LDPE / Other: \_\_\_\_\_  
 Tubing Diameter: (circle) 0.19 inch ID x 0.44 inch OD / 0.19 inch ID x 0.25 inch OD / 0.31 inch ID x 0.44 inch OD / Other: \_\_\_\_\_  
 Were Metals Filtered Prior to Preservation?: (circle) Yes / No / Yes & No / Metals Not Sampled  
 Filtration Method: ( Gravity / Vacuum / Pressure ) None  
 Filter: ( Cartridge / Paper ) Type: \_\_\_\_\_ Size: \_\_\_\_\_ Pore: \_\_\_\_\_  
 Water Sample Appearance: Clear / Slightly Turbid / Moderately Turbid / Very Turbid ( )  
 (Color: Gray / Brown / Tan / )  
 Were Samples Iced after Collection? YES / NO /

TIME	PURGING	TEMPERATURE (degrees C) 3%		SPECIFIC CONDUCTIVITY (mS/cm) 3%		DISSOLVED OXYGEN (mg/l) 10%		pH (pH units) 0.1 units		TURBIDITY (NTU) 10%		ORP (mv) Indiana 10 mv		PUMPING RATE (ml/min)	DEPTH TO WATER (ft. below TOC)
		READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
12:50		26.36	NA	0.264	NA	8.86	NA	9.58	NA		NA	42	NA	190	
12:56		21.91		0.692		0.00		8.12				-121		180	
12:59		21.50		0.698		0.00		7.88				-120		180	
13:02		21.30	0.9	0.703	0.1	0.00	0	7.73	0.10			-120	8	180	
13:05		21.14	0.8	0.708	0.7	0.00	0	7.64	0.09			-122	2	180	
13:08		21.10	0.3	0.711	0.4	0.00	0	7.57	0.07			-123	1	180	

COMMENTS: \_\_\_\_\_

\*Indicator parameters have stabilized when 3 consecutive readings are within: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity.

Heartland Environmental Associates, Inc. • 2410 Michiana Ave • South Bend, Indiana 46615 • (774) 980-1404

Former Thomson Consumer Electronics / Former RCA Facility – Sherman Park Parcel B, 3324 East Michigan Street in Indianapolis, Indiana  
Further Site Investigation

## **APPENDIX C**

### **Soil Laboratory Certificate of Analysis**

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Heartland Environmental Associates, Inc.

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August 22, 2017

Ryan Orzechowicz  
Heartland Environmental  
3410 Mishawaka Avenue  
South Bend, IN 46615

RE: Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

Dear Ryan Orzechowicz:

Enclosed are the analytical results for sample(s) received by the laboratory on August 10, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Mick Mayse  
mick.mayse@pacelabs.com  
(317)228-3100  
Project Manager

Enclosures

cc: Ms. Bonnie Sima, Heartland Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

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### Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50177414001	RE-SB-SB-12 (002004)	Solid	08/08/17 14:00	08/10/17 12:35
50177414002	RE-SB-SB-12 (013015)	Solid	08/08/17 14:15	08/10/17 12:35
50177414003	RE-SB-SB-21 (002004)	Solid	08/09/17 13:39	08/10/17 12:35
50177414004	RE-SB-SB-21 (013015)	Solid	08/09/17 13:50	08/10/17 12:35
50177414005	RE-SB-SB-22 (002004)	Solid	08/09/17 12:41	08/10/17 12:35
50177414006	RE-SB-SB-22 (014016)	Solid	08/09/17 12:51	08/10/17 12:35
50177414007	RE-SB-SB-24 (002004)	Solid	08/08/17 15:36	08/10/17 12:35
50177414008	RE-SB-SB-24 (016018)	Solid	08/08/17 15:51	08/10/17 12:35
50177414009	RE-SB-SB-25 (002004)	Solid	08/08/17 14:45	08/10/17 12:35
50177414010	RE-SB-SB-25 (016018)	Solid	08/08/17 14:53	08/10/17 12:35
50177414011	RE-SB-SB-26 (002004)	Solid	08/09/17 08:53	08/10/17 12:35
50177414012	RE-SB-SB-26 (016018)	Solid	08/09/17 09:10	08/10/17 12:35
50177414013	RE-SB-SB-27 (002004)	Solid	08/09/17 09:53	08/10/17 12:35
50177414014	RE-SB-SB-27 (016018)	Solid	08/09/17 10:08	08/10/17 12:35
50177414015	RE-SB-SB-28 (002004)	Solid	08/09/17 11:01	08/10/17 12:35
50177414016	RE-SB-SB-28 (016018)	Solid	08/09/17 11:12	08/10/17 12:35
50177414017	RE-SB-SB-29 (002004)	Solid	08/09/17 11:30	08/10/17 12:35
50177414018	RE-SB-SB-29 (014016)	Solid	08/09/17 11:37	08/10/17 12:35
50177414019	RE-SB-SB-31 (002004)	Solid	08/09/17 13:05	08/10/17 12:35
50177414020	RE-SB-SB-31 (014016)	Solid	08/09/17 13:11	08/10/17 12:35
50177414021	RE-SB-SB-32 (002004)	Solid	08/09/17 14:08	08/10/17 12:35
50177414022	RE-SB-SB-32 (010012)	Solid	08/09/17 14:17	08/10/17 12:35
50177414023	RE-SB-SB-33 (002004)	Solid	08/09/17 15:37	08/10/17 12:35
50177414024	RE-SB-SB-33 (016018)	Solid	08/09/17 15:55	08/10/17 12:35
50177414025	RE-SB-SB-34 (002004)	Solid	08/09/17 14:33	08/10/17 12:35
50177414026	RE-SB-SB-34 (014016)	Solid	08/09/17 14:45	08/10/17 12:35
50177414027	RE-SB-FD-1	Solid	08/08/17 08:00	08/10/17 12:35
50177414028	RE-SB-FD-2	Solid	08/09/17 08:00	08/10/17 12:35
50177414029	RE-SB-FD-3	Solid	08/09/17 08:00	08/10/17 12:35
50177414030	Trip Blank	Solid	08/08/17 08:00	08/10/17 12:35

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177414001	RE-SB-SB-12 (002004)	EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	WDB	1	PASI-I
50177414002	RE-SB-SB-12 (013015)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177414003	RE-SB-SB-21 (002004)	EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177414004	RE-SB-SB-21 (013015)	SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177414005	RE-SB-SB-22 (002004)	SM 2540G	SCM	1	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
50177414006	RE-SB-SB-22 (014016)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414007	RE-SB-SB-24 (002004)	EPA 8260	GRM	75	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414008	RE-SB-SB-24 (016018)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414009	RE-SB-SB-25 (002004)	EPA 8260	GRM	75	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		SM 2540G	SCM	1	PASI-I

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177414010	RE-SB-SB-25 (016018)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177414011	RE-SB-SB-26 (002004)	EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414012	RE-SB-SB-26 (016018)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414013	RE-SB-SB-27 (002004)	EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414014	RE-SB-SB-27 (016018)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414015	RE-SB-SB-28 (002004)	EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414016	RE-SB-SB-28 (016018)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414017	RE-SB-SB-29 (002004)	EPA 6010	MJC	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414018	RE-SB-SB-29 (014016)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414019	RE-SB-SB-31 (002004)	EPA 6010	JPK	7	PASI-I
		EPA 7471	ILP	1	PASI-I

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177414020	RE-SB-SB-31 (014016)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177414021	RE-SB-SB-32 (002004)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177414022	RE-SB-SB-32 (010012)	EPA 6010	JPK	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414023	RE-SB-SB-33 (002004)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177414024	RE-SB-SB-33 (016018)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 6010	JPK	7	PASI-I
50177414025	RE-SB-SB-34 (002004)	EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177414026	RE-SB-SB-34 (014016)	SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177414027	RE-SB-FD-1	SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177414028	RE-SB-FD-2	SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177414029	RE-SB-FD-3	SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177414030	Trip Blank	EPA 8260	GRM	75	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>50177414001</b>	<b>RE-SB-SB-12 (002004)</b>					
EPA 6010	Arsenic	6.2	mg/kg	1.0	08/21/17 10:08	
EPA 6010	Barium	218	mg/kg	1.0	08/21/17 10:08	
EPA 6010	Cadmium	1.5	mg/kg	0.51	08/21/17 10:08	
EPA 6010	Chromium	63.7	mg/kg	1.0	08/21/17 10:08	
EPA 6010	Lead	894	mg/kg	1.0	08/21/17 10:08	
EPA 6010	Silver	0.56	mg/kg	0.51	08/21/17 10:08	
EPA 8270 by SIM	Chrysene	0.0064	mg/kg	0.0053	08/12/17 00:13	
EPA 8270 by SIM	Fluoranthene	0.0065	mg/kg	0.0053	08/12/17 00:13	
EPA 8270 by SIM	Phenanthrene	0.0054	mg/kg	0.0053	08/12/17 00:13	
EPA 8270 by SIM	Pyrene	0.0089	mg/kg	0.0053	08/12/17 00:13	
EPA 8260	Trichloroethene	0.0061	mg/kg	0.0055	08/11/17 18:46	
SM 2540G	Percent Moisture	6.2	%	0.10	08/11/17 13:01	
<b>50177414002</b>	<b>RE-SB-SB-12 (013015)</b>					
EPA 8260	Carbon tetrachloride	0.063	mg/kg	0.0046	08/11/17 19:19	
EPA 8260	Chloroform	0.010	mg/kg	0.0046	08/11/17 19:19	
EPA 8260	1,1-Dichloroethane	0.028	mg/kg	0.0046	08/11/17 19:19	
EPA 8260	1,1,1-Trichloroethane	0.073	mg/kg	0.0046	08/11/17 19:19	R1
EPA 8260	Trichloroethene	0.026	mg/kg	0.0046	08/11/17 19:19	R1
SM 2540G	Percent Moisture	18.0	%	0.10	08/15/17 10:13	
<b>50177414003</b>	<b>RE-SB-SB-21 (002004)</b>					
EPA 6010	Arsenic	4.4	mg/kg	1.1	08/21/17 10:10	
EPA 6010	Barium	137	mg/kg	1.1	08/21/17 10:10	
EPA 6010	Chromium	8.4	mg/kg	1.1	08/21/17 10:10	
EPA 6010	Lead	41.5	mg/kg	1.1	08/21/17 10:10	
EPA 7471	Mercury	0.42	mg/kg	0.22	08/17/17 12:21	
EPA 8270 by SIM	Anthracene	0.033	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Benzo(a)anthracene	0.077	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Benzo(a)pyrene	0.043	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.043	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.036	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Chrysene	0.089	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Fluoranthene	0.17	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Naphthalene	0.048	mg/kg	0.029	08/12/17 00:29	ED
EPA 8270 by SIM	Phenanthrene	0.17	mg/kg	0.029	08/12/17 00:29	
EPA 8270 by SIM	Pyrene	0.14	mg/kg	0.029	08/12/17 00:29	
EPA 8260	Acetone	0.16	mg/kg	0.12	08/11/17 20:59	1d
EPA 8260	Isopropylbenzene (Cumene)	0.012	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	p-Isopropyltoluene	0.016	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	Naphthalene	0.021	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	n-Propylbenzene	0.0092	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	Tetrachloroethene	0.0086	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	1,1,1-Trichloroethane	0.022	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	Trichloroethene	0.020	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	1,2,4-Trimethylbenzene	0.022	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	1,3,5-Trimethylbenzene	0.031	mg/kg	0.0058	08/11/17 20:59	
EPA 8260	Xylene (Total)	0.043	mg/kg	0.012	08/11/17 20:59	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>50177414003</b>	<b>RE-SB-SB-21 (002004)</b>					
SM 2540G	Percent Moisture	12.9	%	0.10	08/15/17 10:13	
<b>50177414004</b>	<b>RE-SB-SB-21 (013015)</b>					
EPA 8260	cis-1,2-Dichloroethene	0.057	mg/kg	0.0053	08/11/17 21:33	
EPA 8260	trans-1,2-Dichloroethene	0.084	mg/kg	0.0053	08/11/17 21:33	
EPA 8260	Trichloroethene	0.028	mg/kg	0.0053	08/11/17 21:33	
EPA 8260	Vinyl chloride	0.015	mg/kg	0.0053	08/11/17 21:33	
SM 2540G	Percent Moisture	7.5	%	0.10	08/15/17 10:13	
<b>50177414005</b>	<b>RE-SB-SB-22 (002004)</b>					
EPA 6010	Arsenic	9.9	mg/kg	1.1	08/21/17 10:16	
EPA 6010	Barium	107	mg/kg	1.1	08/21/17 10:16	
EPA 6010	Chromium	13.3	mg/kg	1.1	08/21/17 10:16	
EPA 6010	Lead	17.6	mg/kg	1.1	08/21/17 10:16	
EPA 8270 by SIM	Benzo(a)anthracene	0.019	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Benzo(a)pyrene	0.016	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.017	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.0087	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.013	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Chrysene	0.024	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Fluoranthene	0.023	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.0078	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Phenanthrene	0.013	mg/kg	0.0058	08/12/17 01:02	
EPA 8270 by SIM	Pyrene	0.021	mg/kg	0.0058	08/12/17 01:02	
EPA 8260	Tetrachloroethene	0.060	mg/kg	0.0048	08/11/17 22:06	
EPA 8260	1,1,1-Trichloroethane	0.013	mg/kg	0.0048	08/11/17 22:06	
EPA 8260	Trichloroethene	0.035	mg/kg	0.0048	08/11/17 22:06	
SM 2540G	Percent Moisture	14.9	%	0.10	08/15/17 10:13	
<b>50177414006</b>	<b>RE-SB-SB-22 (014016)</b>					
SM 2540G	Percent Moisture	7.4	%	0.10	08/15/17 10:13	
<b>50177414007</b>	<b>RE-SB-SB-24 (002004)</b>					
EPA 6010	Arsenic	9.7	mg/kg	1.1	08/21/17 10:19	
EPA 6010	Barium	94.2	mg/kg	1.1	08/21/17 10:19	
EPA 6010	Chromium	16.1	mg/kg	1.1	08/21/17 10:19	
EPA 6010	Lead	22.5	mg/kg	1.1	08/21/17 10:19	
EPA 7471	Mercury	1.1	mg/kg	0.22	08/17/17 12:26	
EPA 8270 by SIM	Acenaphthylene	0.040	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Anthracene	0.045	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Benzo(a)anthracene	0.21	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Benzo(a)pyrene	0.12	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.16	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.069	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.13	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Chrysene	0.23	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.038	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Fluoranthene	0.15	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.072	mg/kg	0.028	08/12/17 01:35	

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177414007</b>	<b>RE-SB-SB-24 (002004)</b>					
EPA 8270 by SIM	Phenanthrene	0.067	mg/kg	0.028	08/12/17 01:35	
EPA 8270 by SIM	Pyrene	0.18	mg/kg	0.028	08/12/17 01:35	
EPA 8260	cis-1,2-Dichloroethene	0.0047	mg/kg	0.0045	08/11/17 23:13	
EPA 8260	Tetrachloroethene	0.032	mg/kg	0.0045	08/11/17 23:13	
EPA 8260	Trichloroethene	0.098	mg/kg	0.0045	08/11/17 23:13	
SM 2540G	Percent Moisture	12.2	%	0.10	08/15/17 10:13	
<b>50177414008</b>	<b>RE-SB-SB-24 (016018)</b>					
SM 2540G	Percent Moisture	8.8	%	0.10	08/15/17 10:13	
<b>50177414009</b>	<b>RE-SB-SB-25 (002004)</b>					
EPA 6010	Arsenic	6.8	mg/kg	1.2	08/21/17 10:21	
EPA 6010	Barium	95.3	mg/kg	1.2	08/21/17 10:21	
EPA 6010	Chromium	17.9	mg/kg	1.2	08/21/17 10:21	
EPA 6010	Lead	12.1	mg/kg	1.2	08/21/17 10:21	
EPA 8260	Chloroform	0.026	mg/kg	0.0050	08/12/17 00:20	
EPA 8260	cis-1,2-Dichloroethene	0.041	mg/kg	0.0050	08/12/17 00:20	
EPA 8260	Tetrachloroethene	0.0068	mg/kg	0.0050	08/12/17 00:20	
EPA 8260	1,1,1-Trichloroethane	0.011	mg/kg	0.0050	08/12/17 00:20	
EPA 8260	Trichloroethene	0.67	mg/kg	0.28	08/16/17 16:22	
SM 2540G	Percent Moisture	17.9	%	0.10	08/15/17 10:13	
<b>50177414010</b>	<b>RE-SB-SB-25 (016018)</b>					
EPA 8260	1,1-Dichloroethene	0.10	mg/kg	0.0045	08/12/17 00:53	
EPA 8260	cis-1,2-Dichloroethene	0.15	mg/kg	0.0045	08/12/17 00:53	
EPA 8260	trans-1,2-Dichloroethene	0.038	mg/kg	0.0045	08/12/17 00:53	
EPA 8260	Trichloroethene	18.5	mg/kg	0.43	08/16/17 16:56	
EPA 8260	Vinyl chloride	0.10	mg/kg	0.0045	08/12/17 00:53	
SM 2540G	Percent Moisture	9.2	%	0.10	08/15/17 10:14	
<b>50177414011</b>	<b>RE-SB-SB-26 (002004)</b>					
EPA 6010	Arsenic	7.4	mg/kg	1.1	08/21/17 10:31	
EPA 6010	Barium	76.7	mg/kg	1.1	08/21/17 10:31	
EPA 6010	Chromium	17.7	mg/kg	1.1	08/21/17 10:31	
EPA 6010	Lead	10.3	mg/kg	1.1	08/21/17 10:31	
EPA 8260	Acetone	0.17	mg/kg	0.11	08/12/17 01:26	1d
EPA 8260	Tetrachloroethene	0.020	mg/kg	0.0057	08/12/17 01:26	
EPA 8260	1,1,1-Trichloroethane	0.014	mg/kg	0.0057	08/12/17 01:26	
EPA 8260	Trichloroethene	0.0070	mg/kg	0.0068	08/16/17 21:39	
SM 2540G	Percent Moisture	15.2	%	0.10	08/15/17 10:14	
<b>50177414012</b>	<b>RE-SB-SB-26 (016018)</b>					
SM 2540G	Percent Moisture	6.8	%	0.10	08/15/17 10:14	
<b>50177414013</b>	<b>RE-SB-SB-27 (002004)</b>					
EPA 6010	Arsenic	6.1	mg/kg	1.1	08/21/17 10:34	
EPA 6010	Barium	171	mg/kg	1.1	08/21/17 10:34	
EPA 6010	Cadmium	0.56	mg/kg	0.54	08/21/17 10:34	
EPA 6010	Chromium	15.4	mg/kg	1.1	08/21/17 10:34	
EPA 6010	Lead	54.9	mg/kg	1.1	08/21/17 10:34	

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177414013</b>	<b>RE-SB-SB-27 (002004)</b>					
EPA 7471	Mercury	1.2	mg/kg	0.21	08/17/17 12:41	
EPA 8270 by SIM	Acenaphthylene	0.030	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Anthracene	0.085	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Benzo(a)anthracene	0.25	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Benzo(a)pyrene	0.13	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.15	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.081	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.13	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Chrysene	0.30	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.054	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Fluoranthene	0.51	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	1-Methylnaphthalene	0.035	mg/kg	0.028	08/14/17 13:45	N2
EPA 8270 by SIM	2-Methylnaphthalene	0.036	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Naphthalene	0.071	mg/kg	0.028	08/14/17 13:45	ED
EPA 8270 by SIM	Phenanthrene	0.35	mg/kg	0.028	08/14/17 13:45	
EPA 8270 by SIM	Pyrene	0.41	mg/kg	0.028	08/14/17 13:45	
EPA 8260	Naphthalene	0.015	mg/kg	0.0077	08/12/17 04:47	
EPA 8260	Tetrachloroethene	0.015	mg/kg	0.0077	08/12/17 04:47	
EPA 8260	1,1,1-Trichloroethane	0.0087	mg/kg	0.0077	08/12/17 04:47	
EPA 8260	Trichloroethene	0.063	mg/kg	0.0077	08/12/17 04:47	
EPA 8260	1,2,4-Trimethylbenzene	0.0098	mg/kg	0.0077	08/12/17 04:47	
EPA 8260	1,3,5-Trimethylbenzene	0.0095	mg/kg	0.0077	08/12/17 04:47	
SM 2540G	Percent Moisture	12.1	%	0.10	08/15/17 10:14	
<b>50177414014</b>	<b>RE-SB-SB-27 (016018)</b>					
SM 2540G	Percent Moisture	8.8	%	0.10	08/15/17 10:14	
<b>50177414015</b>	<b>RE-SB-SB-28 (002004)</b>					
EPA 6010	Arsenic	4.4	mg/kg	1.3	08/21/17 10:36	
EPA 6010	Barium	140	mg/kg	1.3	08/21/17 10:36	
EPA 6010	Chromium	22.5	mg/kg	1.3	08/21/17 10:36	
EPA 6010	Lead	15.8	mg/kg	1.3	08/21/17 10:36	
EPA 8260	Carbon disulfide	0.011	mg/kg	0.0094	08/12/17 05:54	
SM 2540G	Percent Moisture	21.9	%	0.10	08/15/17 10:46	
<b>50177414016</b>	<b>RE-SB-SB-28 (016018)</b>					
SM 2540G	Percent Moisture	8.9	%	0.10	08/15/17 10:46	
<b>50177414017</b>	<b>RE-SB-SB-29 (002004)</b>					
EPA 6010	Arsenic	7.0	mg/kg	0.98	08/21/17 10:43	
EPA 6010	Barium	189	mg/kg	0.98	08/21/17 10:43	
EPA 6010	Cadmium	0.67	mg/kg	0.49	08/21/17 10:43	
EPA 6010	Chromium	14.0	mg/kg	0.98	08/21/17 10:43	
EPA 6010	Lead	70.3	mg/kg	0.98	08/21/17 10:43	
EPA 7471	Mercury	0.75	mg/kg	0.23	08/17/17 12:46	
EPA 8270 by SIM	Acenaphthylene	0.035	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Anthracene	0.081	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Benzo(a)anthracene	0.23	mg/kg	0.028	08/14/17 15:24	

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>50177414017</b>	<b>RE-SB-SB-29 (002004)</b>					
EPA 8270 by SIM	Benzo(a)pyrene	0.14	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.13	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.080	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.14	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Chrysene	0.27	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.046	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Fluoranthene	0.37	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	1-Methylnaphthalene	0.032	mg/kg	0.028	08/14/17 15:24	N2
EPA 8270 by SIM	2-Methylnaphthalene	0.037	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Naphthalene	0.047	mg/kg	0.028	08/14/17 15:24	ED
EPA 8270 by SIM	Phenanthrene	0.31	mg/kg	0.028	08/14/17 15:24	
EPA 8270 by SIM	Pyrene	0.32	mg/kg	0.028	08/14/17 15:24	
EPA 8260	Acetone	0.16		0.099	08/16/17 22:46	2d
EPA 8260	Naphthalene	0.0085	mg/kg	0.0049	08/16/17 22:46	
EPA 8260	Tetrachloroethene	0.017	mg/kg	0.0049	08/16/17 22:46	
EPA 8260	1,1,1-Trichloroethane	0.0061	mg/kg	0.0049	08/16/17 22:46	
EPA 8260	Trichloroethene	0.042	mg/kg	0.0049	08/16/17 22:46	
EPA 8260	1,2,4-Trimethylbenzene	0.0066	mg/kg	0.0049	08/16/17 22:46	
EPA 8260	Xylene (Total)	0.015	mg/kg	0.0099	08/16/17 22:46	
SM 2540G	Percent Moisture	9.4	%	0.10	08/15/17 10:46	
<b>50177414018</b>	<b>RE-SB-SB-29 (014016)</b>					
SM 2540G	Percent Moisture	9.3	%	0.10	08/15/17 10:46	
<b>50177414019</b>	<b>RE-SB-SB-31 (002004)</b>					
EPA 6010	Arsenic	8.1	mg/kg	1.1	08/16/17 23:27	
EPA 6010	Barium	246	mg/kg	1.1	08/16/17 23:27	
EPA 6010	Chromium	12.6	mg/kg	1.1	08/16/17 23:27	
EPA 6010	Lead	63.8	mg/kg	1.1	08/16/17 23:27	
EPA 7471	Mercury	1.1	mg/kg	0.24	08/17/17 12:48	
EPA 8270 by SIM	Anthracene	0.085	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Benzo(a)anthracene	0.25	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Benzo(a)pyrene	0.12	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.15	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.067	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.12	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Chrysene	0.28	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.046	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Fluoranthene	0.48	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	2-Methylnaphthalene	0.031	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Naphthalene	0.066	mg/kg	0.029	08/14/17 15:57	ED
EPA 8270 by SIM	Phenanthrene	0.46	mg/kg	0.029	08/14/17 15:57	
EPA 8270 by SIM	Pyrene	0.41	mg/kg	0.029	08/14/17 15:57	
EPA 8260	Acetone	0.42	mg/kg	0.091	08/16/17 23:20	2d
EPA 8260	1,1-Dichloroethane	0.013	mg/kg	0.0046	08/16/17 23:20	
EPA 8260	Naphthalene	0.0094	mg/kg	0.0046	08/16/17 23:20	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>50177414019</b>	<b>RE-SB-SB-31 (002004)</b>					
EPA 8260	Tetrachloroethene	0.0056	mg/kg	0.0046	08/16/17 23:20	
EPA 8260	1,1,1-Trichloroethane	0.025	mg/kg	0.0046	08/16/17 23:20	
EPA 8260	Trichloroethene	0.027	mg/kg	0.0046	08/16/17 23:20	
EPA 8260	Xylene (Total)	0.022	mg/kg	0.0091	08/16/17 23:20	
SM 2540G	Percent Moisture	14.2	%	0.10	08/15/17 10:46	
<b>50177414020</b>	<b>RE-SB-SB-31 (014016)</b>					
EPA 8260	Acetone	0.28	mg/kg	0.093	08/12/17 09:48	1d
EPA 8260	1,1-Dichloroethane	0.023	mg/kg	0.0046	08/12/17 09:48	
EPA 8260	1,1,1-Trichloroethane	0.024	mg/kg	0.0046	08/12/17 09:48	
EPA 8260	Trichloroethene	0.024	mg/kg	0.0046	08/12/17 09:48	
SM 2540G	Percent Moisture	8.4	%	0.10	08/15/17 10:46	
<b>50177414021</b>	<b>RE-SB-SB-32 (002004)</b>					
EPA 6010	Arsenic	7.0	mg/kg	1.1	08/16/17 23:29	
EPA 6010	Barium	99.9	mg/kg	1.1	08/16/17 23:29	
EPA 6010	Chromium	13.7	mg/kg	1.1	08/16/17 23:29	
EPA 6010	Lead	25.8	mg/kg	1.1	08/16/17 23:29	
EPA 6010	Silver	1.1	mg/kg	0.55	08/16/17 23:29	
EPA 8270 by SIM	Acenaphthylene	0.014	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Anthracene	0.027	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Benzo(a)anthracene	0.076	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Benzo(a)pyrene	0.043	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.043	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.024	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.042	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Chrysene	0.074	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.017	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Fluoranthene	0.12	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Fluorene	0.0060	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.025	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	1-Methylnaphthalene	0.0058	mg/kg	0.0057	08/14/17 17:03	N2
EPA 8270 by SIM	2-Methylnaphthalene	0.0072	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Naphthalene	0.013	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Phenanthrene	0.081	mg/kg	0.0057	08/14/17 17:03	
EPA 8270 by SIM	Pyrene	0.099	mg/kg	0.0057	08/14/17 17:03	
SM 2540G	Percent Moisture	12.1	%	0.10	08/15/17 10:46	
<b>50177414022</b>	<b>RE-SB-SB-32 (010012)</b>					
SM 2540G	Percent Moisture	9.5	%	0.10	08/15/17 10:46	
<b>50177414023</b>	<b>RE-SB-SB-33 (002004)</b>					
EPA 6010	Arsenic	10.3	mg/kg	1.2	08/16/17 23:31	
EPA 6010	Barium	93.7	mg/kg	1.2	08/16/17 23:31	
EPA 6010	Chromium	20.8	mg/kg	1.2	08/16/17 23:31	
EPA 6010	Lead	32.9	mg/kg	1.2	08/16/17 23:31	
EPA 8270 by SIM	Benzo(a)anthracene	0.018	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Benzo(a)pyrene	0.013	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.013	mg/kg	0.0058	08/14/17 17:36	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177414023</b>	<b>RE-SB-SB-33 (002004)</b>					
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.0086	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.012	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Chrysene	0.020	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Fluoranthene	0.038	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.0077	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Phenanthrene	0.025	mg/kg	0.0058	08/14/17 17:36	
EPA 8270 by SIM	Pyrene	0.033	mg/kg	0.0058	08/14/17 17:36	
EPA 8260	Acetone	0.15	mg/kg	0.093	08/12/17 11:29	1d
EPA 8260	Naphthalene	0.0059	mg/kg	0.0047	08/12/17 11:29	
SM 2540G	Percent Moisture	15.3	%	0.10	08/15/17 10:46	
<b>50177414024</b>	<b>RE-SB-SB-33 (016018)</b>					
SM 2540G	Percent Moisture	8.1	%	0.10	08/15/17 10:46	
<b>50177414025</b>	<b>RE-SB-SB-34 (002004)</b>					
EPA 6010	Arsenic	6.1	mg/kg	1.1	08/16/17 23:33	
EPA 6010	Barium	119	mg/kg	1.1	08/16/17 23:33	
EPA 6010	Chromium	12.0	mg/kg	1.1	08/16/17 23:33	
EPA 6010	Lead	34.0	mg/kg	1.1	08/16/17 23:33	
EPA 8270 by SIM	Anthracene	0.014	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Benzo(a)anthracene	0.036	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Benzo(a)pyrene	0.019	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.023	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.012	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.017	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Chrysene	0.043	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.0072	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Fluoranthene	0.076	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.010	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	1-Methylnaphthalene	0.0068	mg/kg	0.0057	08/14/17 18:09	N2
EPA 8270 by SIM	2-Methylnaphthalene	0.0081	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Naphthalene	0.026	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Phenanthrene	0.076	mg/kg	0.0057	08/14/17 18:09	
EPA 8270 by SIM	Pyrene	0.062	mg/kg	0.0057	08/14/17 18:09	
SM 2540G	Percent Moisture	12.8	%	0.10	08/15/17 10:46	
<b>50177414026</b>	<b>RE-SB-SB-34 (014016)</b>					
SM 2540G	Percent Moisture	7.7	%	0.10	08/15/17 10:47	
<b>50177414027</b>	<b>RE-SB-FD-1</b>					
SM 2540G	Percent Moisture	8.7	%	0.10	08/15/17 10:47	
<b>50177414028</b>	<b>RE-SB-FD-2</b>					
SM 2540G	Percent Moisture	8.3	%	0.10	08/15/17 10:47	
<b>50177414029</b>	<b>RE-SB-FD-3</b>					
SM 2540G	Percent Moisture	7.9	%	0.10	08/15/17 10:47	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-12 (002004) Lab ID: 50177414001 Collected: 08/08/17 14:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.2	mg/kg	1.0	1	08/18/17 07:08	08/21/17 10:08	7440-38-2	
Barium	218	mg/kg	1.0	1	08/18/17 07:08	08/21/17 10:08	7440-39-3	
Cadmium	1.5	mg/kg	0.51	1	08/18/17 07:08	08/21/17 10:08	7440-43-9	
Chromium	63.7	mg/kg	1.0	1	08/18/17 07:08	08/21/17 10:08	7440-47-3	
Lead	894	mg/kg	1.0	1	08/18/17 07:08	08/21/17 10:08	7439-92-1	
Selenium	ND	mg/kg	1.0	1	08/18/17 07:08	08/21/17 10:08	7782-49-2	
Silver	0.56	mg/kg	0.51	1	08/18/17 07:08	08/21/17 10:08	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.21	1	08/17/17 00:30	08/17/17 12:19	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	83-32-9	
Acenaphthylene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	208-96-8	
Anthracene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	207-08-9	
Chrysene	0.0064	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	53-70-3	
Fluoranthene	0.0065	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	206-44-0	
Fluorene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	91-57-6	
Naphthalene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	91-20-3	
Phenanthrene	0.0054	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	85-01-8	
Pyrene	0.0089	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 00:13	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	66	%	30-94	1	08/10/17 22:15	08/12/17 00:13	321-60-8	
p-Terphenyl-d14 (S)	77	%	27-102	1	08/10/17 22:15	08/12/17 00:13	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.11	1		08/11/17 18:46	67-64-1	
Acrolein	ND	mg/kg	0.11	1		08/11/17 18:46	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/11/17 18:46	107-13-1	
Benzene	ND	mg/kg	0.0055	1		08/11/17 18:46	71-43-2	
Bromobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0055	1		08/11/17 18:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0055	1		08/11/17 18:46	75-27-4	
Bromoform	ND	mg/kg	0.0055	1		08/11/17 18:46	75-25-2	
Bromomethane	ND	mg/kg	0.0055	1		08/11/17 18:46	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	1		08/11/17 18:46	78-93-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-12 (002004) Lab ID: 50177414001 Collected: 08/08/17 14:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/11/17 18:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0055	1		08/11/17 18:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	108-90-7	
Chloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	75-00-3	
Chloroform	ND	mg/kg	0.0055	1		08/11/17 18:46	67-66-3	
Chloromethane	ND	mg/kg	0.0055	1		08/11/17 18:46	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0055	1		08/11/17 18:46	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0055	1		08/11/17 18:46	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0055	1		08/11/17 18:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0055	1		08/11/17 18:46	106-93-4	
Dibromomethane	ND	mg/kg	0.0055	1		08/11/17 18:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/11/17 18:46	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0055	1		08/11/17 18:46	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0055	1		08/11/17 18:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0055	1		08/11/17 18:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0055	1		08/11/17 18:46	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0055	1		08/11/17 18:46	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0055	1		08/11/17 18:46	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0055	1		08/11/17 18:46	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0055	1		08/11/17 18:46	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0055	1		08/11/17 18:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0055	1		08/11/17 18:46	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/11/17 18:46	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0055	1		08/11/17 18:46	87-68-3	
n-Hexane	ND	mg/kg	0.0055	1		08/11/17 18:46	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/11/17 18:46	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/11/17 18:46	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0055	1		08/11/17 18:46	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0055	1		08/11/17 18:46	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	1		08/11/17 18:46	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/11/17 18:46	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/11/17 18:46	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	1		08/11/17 18:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0055	1		08/11/17 18:46	1634-04-4	
Naphthalene	ND	mg/kg	0.0055	1		08/11/17 18:46	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	103-65-1	
Styrene	ND	mg/kg	0.0055	1		08/11/17 18:46	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-12 (002004)**    **Lab ID: 50177414001**    Collected: 08/08/17 14:00    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0055	1		08/11/17 18:46	127-18-4	
Toluene	ND	mg/kg	0.0055	1		08/11/17 18:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0055	1		08/11/17 18:46	79-00-5	
Trichloroethene	<b>0.0061</b>	mg/kg	0.0055	1		08/11/17 18:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0055	1		08/11/17 18:46	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0055	1		08/11/17 18:46	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0055	1		08/11/17 18:46	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/11/17 18:46	108-05-4	
Vinyl chloride	ND	mg/kg	0.0055	1		08/11/17 18:46	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/11/17 18:46	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	107	%	69-136	1		08/11/17 18:46	1868-53-7	
Toluene-d8 (S)	105	%	64-150	1		08/11/17 18:46	2037-26-5	
4-Bromofluorobenzene (S)	94	%	51-142	1		08/11/17 18:46	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>6.2</b>	%	0.10	1		08/11/17 13:01		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-12 (013015) Lab ID: 50177414002 Collected: 08/08/17 14:15 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	83-32-9	R1
Acenaphthylene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	208-96-8	R1
Anthracene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	120-12-7	R1
Benzo(a)anthracene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	56-55-3	R1
Benzo(a)pyrene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	50-32-8	R1
Benzo(b)fluoranthene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	205-99-2	R1
Benzo(g,h,i)perylene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	191-24-2	R1
Benzo(k)fluoranthene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	207-08-9	R1
Chrysene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	218-01-9	R1
Dibenz(a,h)anthracene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	53-70-3	R1
Fluoranthene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	206-44-0	R1
Fluorene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	86-73-7	R1
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	193-39-5	R1
1-Methylnaphthalene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	90-12-0	N2,R1
2-Methylnaphthalene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	91-57-6	R1
Naphthalene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	91-20-3	R1
Phenanthrene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	85-01-8	R1
Pyrene	ND	mg/kg	0.0060	1	08/11/17 10:51	08/14/17 12:55	129-00-0	R1
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	49	%.	30-94	1	08/11/17 10:51	08/14/17 12:55	321-60-8	
p-Terphenyl-d14 (S)	51	%.	27-102	1	08/11/17 10:51	08/14/17 12:55	1718-51-0	

### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.092	1		08/11/17 19:19	67-64-1	
Acrolein	ND	mg/kg	0.092	1		08/11/17 19:19	107-02-8	
Acrylonitrile	ND	mg/kg	0.092	1		08/11/17 19:19	107-13-1	
Benzene	ND	mg/kg	0.0046	1		08/11/17 19:19	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	1		08/11/17 19:19	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	1		08/11/17 19:19	75-27-4	
Bromoform	ND	mg/kg	0.0046	1		08/11/17 19:19	75-25-2	
Bromomethane	ND	mg/kg	0.0046	1		08/11/17 19:19	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/11/17 19:19	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	98-06-6	
Carbon disulfide	ND	mg/kg	0.0092	1		08/11/17 19:19	75-15-0	
Carbon tetrachloride	0.063	mg/kg	0.0046	1		08/11/17 19:19	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	108-90-7	
Chloroethane	ND	mg/kg	0.0046	1		08/11/17 19:19	75-00-3	
Chloroform	0.010	mg/kg	0.0046	1		08/11/17 19:19	67-66-3	
Chloromethane	ND	mg/kg	0.0046	1		08/11/17 19:19	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	1		08/11/17 19:19	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	1		08/11/17 19:19	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	1		08/11/17 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0046	1		08/11/17 19:19	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-12 (013015) Lab ID: 50177414002 Collected: 08/08/17 14:15 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0046	1		08/11/17 19:19	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.092	1		08/11/17 19:19	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	1		08/11/17 19:19	75-71-8	
1,1-Dichloroethane	<b>0.028</b>	mg/kg	0.0046	1		08/11/17 19:19	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	1		08/11/17 19:19	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	1		08/11/17 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	1		08/11/17 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	1		08/11/17 19:19	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	1		08/11/17 19:19	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	1		08/11/17 19:19	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	1		08/11/17 19:19	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	1		08/11/17 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	1		08/11/17 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	1		08/11/17 19:19	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.092	1		08/11/17 19:19	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0046	1		08/11/17 19:19	87-68-3	
n-Hexane	ND	mg/kg	0.0046	1		08/11/17 19:19	110-54-3	
2-Hexanone	ND	mg/kg	0.092	1		08/11/17 19:19	591-78-6	
Iodomethane	ND	mg/kg	0.092	1		08/11/17 19:19	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	1		08/11/17 19:19	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	1		08/11/17 19:19	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	1		08/11/17 19:19	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0092	1		08/11/17 19:19	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0092	1		08/11/17 19:19	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/11/17 19:19	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	1		08/11/17 19:19	1634-04-4	
Naphthalene	ND	mg/kg	0.0046	1		08/11/17 19:19	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	103-65-1	
Styrene	ND	mg/kg	0.0046	1		08/11/17 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	1		08/11/17 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	1		08/11/17 19:19	79-34-5	M1
Tetrachloroethene	ND	mg/kg	0.0046	1		08/11/17 19:19	127-18-4	
Toluene	ND	mg/kg	0.0046	1		08/11/17 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	120-82-1	
1,1,1-Trichloroethane	<b>0.073</b>	mg/kg	0.0046	1		08/11/17 19:19	71-55-6	R1
1,1,2-Trichloroethane	ND	mg/kg	0.0046	1		08/11/17 19:19	79-00-5	
Trichloroethene	<b>0.026</b>	mg/kg	0.0046	1		08/11/17 19:19	79-01-6	R1
Trichlorofluoromethane	ND	mg/kg	0.0046	1		08/11/17 19:19	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0046	1		08/11/17 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	95-63-6	M1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	1		08/11/17 19:19	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-12 (013015)**      **Lab ID: 50177414002**      Collected: 08/08/17 14:15      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.092	1		08/11/17 19:19	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	1		08/11/17 19:19	75-01-4	
Xylene (Total)	ND	mg/kg	0.0092	1		08/11/17 19:19	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	114	%.	69-136	1		08/11/17 19:19	1868-53-7	
Toluene-d8 (S)	133	%.	64-150	1		08/11/17 19:19	2037-26-5	
4-Bromofluorobenzene (S)	77	%.	51-142	1		08/11/17 19:19	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>18.0</b>	%	0.10	1		08/15/17 10:13		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-21 (002004) Lab ID: 50177414003 Collected: 08/09/17 13:39 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	4.4	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:10	7440-38-2	
Barium	137	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:10	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	08/18/17 07:08	08/21/17 10:10	7440-43-9	
Chromium	8.4	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:10	7440-47-3	
Lead	41.5	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:10	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:10	7782-49-2	
Silver	ND	mg/kg	0.54	1	08/18/17 07:08	08/21/17 10:10	7440-22-4	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.42	mg/kg	0.22	1	08/17/17 00:30	08/17/17 12:21	7439-97-6	
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	83-32-9	
Acenaphthylene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	208-96-8	
Anthracene	0.033	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	120-12-7	
Benzo(a)anthracene	0.077	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	56-55-3	
Benzo(a)pyrene	0.043	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	50-32-8	
Benzo(b)fluoranthene	0.043	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	191-24-2	
Benzo(k)fluoranthene	0.036	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	207-08-9	
Chrysene	0.089	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	53-70-3	
Fluoranthene	0.17	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	206-44-0	
Fluorene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	91-57-6	
Naphthalene	0.048	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	91-20-3	ED
Phenanthrene	0.17	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	85-01-8	
Pyrene	0.14	mg/kg	0.029	5	08/10/17 22:15	08/12/17 00:29	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	53	%	30-94	5	08/10/17 22:15	08/12/17 00:29	321-60-8	
p-Terphenyl-d14 (S)	62	%	27-102	5	08/10/17 22:15	08/12/17 00:29	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	0.16	mg/kg	0.12	1		08/11/17 20:59	67-64-1	1d
Acrolein	ND	mg/kg	0.12	1		08/11/17 20:59	107-02-8	
Acrylonitrile	ND	mg/kg	0.12	1		08/11/17 20:59	107-13-1	
Benzene	ND	mg/kg	0.0058	1		08/11/17 20:59	71-43-2	
Bromobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	108-86-1	
Bromochloromethane	ND	mg/kg	0.0058	1		08/11/17 20:59	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0058	1		08/11/17 20:59	75-27-4	
Bromoform	ND	mg/kg	0.0058	1		08/11/17 20:59	75-25-2	
Bromomethane	ND	mg/kg	0.0058	1		08/11/17 20:59	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.029	1		08/11/17 20:59	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-21 (002004) Lab ID: 50177414003 Collected: 08/09/17 13:39 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	98-06-6	
Carbon disulfide	ND	mg/kg	0.012	1		08/11/17 20:59	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0058	1		08/11/17 20:59	56-23-5	
Chlorobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	108-90-7	
Chloroethane	ND	mg/kg	0.0058	1		08/11/17 20:59	75-00-3	
Chloroform	ND	mg/kg	0.0058	1		08/11/17 20:59	67-66-3	
Chloromethane	ND	mg/kg	0.0058	1		08/11/17 20:59	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0058	1		08/11/17 20:59	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0058	1		08/11/17 20:59	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0058	1		08/11/17 20:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0058	1		08/11/17 20:59	106-93-4	
Dibromomethane	ND	mg/kg	0.0058	1		08/11/17 20:59	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.12	1		08/11/17 20:59	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0058	1		08/11/17 20:59	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0058	1		08/11/17 20:59	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0058	1		08/11/17 20:59	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0058	1		08/11/17 20:59	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0058	1		08/11/17 20:59	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0058	1		08/11/17 20:59	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0058	1		08/11/17 20:59	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0058	1		08/11/17 20:59	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0058	1		08/11/17 20:59	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0058	1		08/11/17 20:59	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0058	1		08/11/17 20:59	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0058	1		08/11/17 20:59	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.12	1		08/11/17 20:59	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0058	1		08/11/17 20:59	87-68-3	
n-Hexane	ND	mg/kg	0.0058	1		08/11/17 20:59	110-54-3	
2-Hexanone	ND	mg/kg	0.12	1		08/11/17 20:59	591-78-6	
Iodomethane	ND	mg/kg	0.12	1		08/11/17 20:59	74-88-4	
Isopropylbenzene (Cumene)	<b>0.012</b>	mg/kg	0.0058	1		08/11/17 20:59	98-82-8	
p-Isopropyltoluene	<b>0.016</b>	mg/kg	0.0058	1		08/11/17 20:59	99-87-6	
Methylene Chloride	ND	mg/kg	0.023	1		08/11/17 20:59	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.012	1		08/11/17 20:59	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.012	1		08/11/17 20:59	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	1		08/11/17 20:59	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0058	1		08/11/17 20:59	1634-04-4	
Naphthalene	<b>0.021</b>	mg/kg	0.0058	1		08/11/17 20:59	91-20-3	
n-Propylbenzene	<b>0.0092</b>	mg/kg	0.0058	1		08/11/17 20:59	103-65-1	
Styrene	ND	mg/kg	0.0058	1		08/11/17 20:59	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-21 (002004)**    **Lab ID: 50177414003**    Collected: 08/09/17 13:39    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0058	1		08/11/17 20:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0058	1		08/11/17 20:59	79-34-5	
Tetrachloroethene	<b>0.0086</b>	mg/kg	0.0058	1		08/11/17 20:59	127-18-4	
Toluene	ND	mg/kg	0.0058	1		08/11/17 20:59	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0058	1		08/11/17 20:59	120-82-1	
1,1,1-Trichloroethane	<b>0.022</b>	mg/kg	0.0058	1		08/11/17 20:59	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0058	1		08/11/17 20:59	79-00-5	
Trichloroethene	<b>0.020</b>	mg/kg	0.0058	1		08/11/17 20:59	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0058	1		08/11/17 20:59	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0058	1		08/11/17 20:59	96-18-4	
1,2,4-Trimethylbenzene	<b>0.022</b>	mg/kg	0.0058	1		08/11/17 20:59	95-63-6	
1,3,5-Trimethylbenzene	<b>0.031</b>	mg/kg	0.0058	1		08/11/17 20:59	108-67-8	
Vinyl acetate	ND	mg/kg	0.12	1		08/11/17 20:59	108-05-4	
Vinyl chloride	ND	mg/kg	0.0058	1		08/11/17 20:59	75-01-4	
Xylene (Total)	<b>0.043</b>	mg/kg	0.012	1		08/11/17 20:59	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	54	%	69-136	1		08/11/17 20:59	1868-53-7	S1
Toluene-d8 (S)	114	%	64-150	1		08/11/17 20:59	2037-26-5	
4-Bromofluorobenzene (S)	90	%	51-142	1		08/11/17 20:59	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>12.9</b>	%	0.10	1		08/15/17 10:13		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-21 (013015) Lab ID: 50177414004 Collected: 08/09/17 13:50 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 00:46	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	68	%	30-94	1	08/10/17 22:15	08/12/17 00:46	321-60-8	
p-Terphenyl-d14 (S)	76	%	27-102	1	08/10/17 22:15	08/12/17 00:46	1718-51-0	

#### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.11	1		08/11/17 21:33	67-64-1	
Acrolein	ND	mg/kg	0.11	1		08/11/17 21:33	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/11/17 21:33	107-13-1	
Benzene	ND	mg/kg	0.0053	1		08/11/17 21:33	71-43-2	
Bromobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	108-86-1	
Bromochloromethane	ND	mg/kg	0.0053	1		08/11/17 21:33	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0053	1		08/11/17 21:33	75-27-4	
Bromoform	ND	mg/kg	0.0053	1		08/11/17 21:33	75-25-2	
Bromomethane	ND	mg/kg	0.0053	1		08/11/17 21:33	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	1		08/11/17 21:33	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/11/17 21:33	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	1		08/11/17 21:33	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	108-90-7	
Chloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	75-00-3	
Chloroform	ND	mg/kg	0.0053	1		08/11/17 21:33	67-66-3	
Chloromethane	ND	mg/kg	0.0053	1		08/11/17 21:33	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0053	1		08/11/17 21:33	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0053	1		08/11/17 21:33	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0053	1		08/11/17 21:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0053	1		08/11/17 21:33	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-21 (013015) Lab ID: 50177414004 Collected: 08/09/17 13:50 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0053	1		08/11/17 21:33	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/11/17 21:33	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0053	1		08/11/17 21:33	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	1		08/11/17 21:33	75-35-4	
cis-1,2-Dichloroethene	<b>0.057</b>	mg/kg	0.0053	1		08/11/17 21:33	156-59-2	
trans-1,2-Dichloroethene	<b>0.084</b>	mg/kg	0.0053	1		08/11/17 21:33	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	1		08/11/17 21:33	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0053	1		08/11/17 21:33	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0053	1		08/11/17 21:33	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0053	1		08/11/17 21:33	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	1		08/11/17 21:33	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	1		08/11/17 21:33	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/11/17 21:33	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0053	1		08/11/17 21:33	87-68-3	
n-Hexane	ND	mg/kg	0.0053	1		08/11/17 21:33	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/11/17 21:33	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/11/17 21:33	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0053	1		08/11/17 21:33	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0053	1		08/11/17 21:33	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	1		08/11/17 21:33	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/11/17 21:33	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/11/17 21:33	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	1		08/11/17 21:33	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	1		08/11/17 21:33	1634-04-4	
Naphthalene	ND	mg/kg	0.0053	1		08/11/17 21:33	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	103-65-1	
Styrene	ND	mg/kg	0.0053	1		08/11/17 21:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	1		08/11/17 21:33	127-18-4	
Toluene	ND	mg/kg	0.0053	1		08/11/17 21:33	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	1		08/11/17 21:33	79-00-5	
Trichloroethene	<b>0.028</b>	mg/kg	0.0053	1		08/11/17 21:33	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	1		08/11/17 21:33	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0053	1		08/11/17 21:33	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0053	1		08/11/17 21:33	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-21 (013015)**      **Lab ID: 50177414004**      Collected: 08/09/17 13:50      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.11	1		08/11/17 21:33	108-05-4	
Vinyl chloride	<b>0.015</b>	mg/kg	0.0053	1		08/11/17 21:33	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/11/17 21:33	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	114	%	69-136	1		08/11/17 21:33	1868-53-7	
Toluene-d8 (S)	125	%	64-150	1		08/11/17 21:33	2037-26-5	
4-Bromofluorobenzene (S)	76	%	51-142	1		08/11/17 21:33	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>7.5</b>	%	0.10	1		08/15/17 10:13		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-22 (002004) Lab ID: 50177414005 Collected: 08/09/17 12:41 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.9	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:16	7440-38-2	
Barium	107	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:16	7440-39-3	
Cadmium	ND	mg/kg	0.57	1	08/18/17 07:08	08/21/17 10:16	7440-43-9	
Chromium	13.3	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:16	7440-47-3	
Lead	17.6	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:16	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:16	7782-49-2	
Silver	ND	mg/kg	0.57	1	08/18/17 07:08	08/21/17 10:16	7440-22-4	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	08/17/17 00:30	08/17/17 12:24	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	83-32-9	
Acenaphthylene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	208-96-8	
Anthracene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	120-12-7	
Benzo(a)anthracene	0.019	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	56-55-3	
Benzo(a)pyrene	0.016	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	50-32-8	
Benzo(b)fluoranthene	0.017	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	205-99-2	
Benzo(g,h,i)perylene	0.0087	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	191-24-2	
Benzo(k)fluoranthene	0.013	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	207-08-9	
Chrysene	0.024	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	53-70-3	
Fluoranthene	0.023	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	206-44-0	
Fluorene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	86-73-7	
Indeno(1,2,3-cd)pyrene	0.0078	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	91-57-6	
Naphthalene	ND	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	91-20-3	
Phenanthrene	0.013	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	85-01-8	
Pyrene	0.021	mg/kg	0.0058	1	08/10/17 22:15	08/12/17 01:02	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	68	%	30-94	1	08/10/17 22:15	08/12/17 01:02	321-60-8	
p-Terphenyl-d14 (S)	77	%	27-102	1	08/10/17 22:15	08/12/17 01:02	1718-51-0	
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.096	1		08/11/17 22:06	67-64-1	
Acrolein	ND	mg/kg	0.096	1		08/11/17 22:06	107-02-8	
Acrylonitrile	ND	mg/kg	0.096	1		08/11/17 22:06	107-13-1	
Benzene	ND	mg/kg	0.0048	1		08/11/17 22:06	71-43-2	
Bromobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	1		08/11/17 22:06	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	1		08/11/17 22:06	75-27-4	
Bromoform	ND	mg/kg	0.0048	1		08/11/17 22:06	75-25-2	
Bromomethane	ND	mg/kg	0.0048	1		08/11/17 22:06	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.024	1		08/11/17 22:06	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-22 (002004) Lab ID: 50177414005 Collected: 08/09/17 12:41 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	98-06-6	
Carbon disulfide	ND	mg/kg	0.0096	1		08/11/17 22:06	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	1		08/11/17 22:06	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	108-90-7	
Chloroethane	ND	mg/kg	0.0048	1		08/11/17 22:06	75-00-3	
Chloroform	ND	mg/kg	0.0048	1		08/11/17 22:06	67-66-3	
Chloromethane	ND	mg/kg	0.0048	1		08/11/17 22:06	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0048	1		08/11/17 22:06	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0048	1		08/11/17 22:06	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0048	1		08/11/17 22:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0048	1		08/11/17 22:06	106-93-4	
Dibromomethane	ND	mg/kg	0.0048	1		08/11/17 22:06	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.096	1		08/11/17 22:06	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0048	1		08/11/17 22:06	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0048	1		08/11/17 22:06	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	1		08/11/17 22:06	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	1		08/11/17 22:06	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	1		08/11/17 22:06	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	1		08/11/17 22:06	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	1		08/11/17 22:06	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0048	1		08/11/17 22:06	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0048	1		08/11/17 22:06	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0048	1		08/11/17 22:06	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	1		08/11/17 22:06	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	1		08/11/17 22:06	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.096	1		08/11/17 22:06	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0048	1		08/11/17 22:06	87-68-3	
n-Hexane	ND	mg/kg	0.0048	1		08/11/17 22:06	110-54-3	
2-Hexanone	ND	mg/kg	0.096	1		08/11/17 22:06	591-78-6	
Iodomethane	ND	mg/kg	0.096	1		08/11/17 22:06	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	1		08/11/17 22:06	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0048	1		08/11/17 22:06	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/11/17 22:06	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0096	1		08/11/17 22:06	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0096	1		08/11/17 22:06	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1		08/11/17 22:06	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	1		08/11/17 22:06	1634-04-4	
Naphthalene	ND	mg/kg	0.0048	1		08/11/17 22:06	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	103-65-1	
Styrene	ND	mg/kg	0.0048	1		08/11/17 22:06	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-22 (002004)**    **Lab ID: 50177414005**    Collected: 08/09/17 12:41    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	1		08/11/17 22:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	1		08/11/17 22:06	79-34-5	
Tetrachloroethene	<b>0.060</b>	mg/kg	0.0048	1		08/11/17 22:06	127-18-4	
Toluene	ND	mg/kg	0.0048	1		08/11/17 22:06	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	120-82-1	
1,1,1-Trichloroethane	<b>0.013</b>	mg/kg	0.0048	1		08/11/17 22:06	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	1		08/11/17 22:06	79-00-5	
Trichloroethene	<b>0.035</b>	mg/kg	0.0048	1		08/11/17 22:06	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	1		08/11/17 22:06	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0048	1		08/11/17 22:06	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	1		08/11/17 22:06	108-67-8	
Vinyl acetate	ND	mg/kg	0.096	1		08/11/17 22:06	108-05-4	
Vinyl chloride	ND	mg/kg	0.0048	1		08/11/17 22:06	75-01-4	
Xylene (Total)	ND	mg/kg	0.0096	1		08/11/17 22:06	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	115	%	69-136	1		08/11/17 22:06	1868-53-7	
Toluene-d8 (S)	117	%	64-150	1		08/11/17 22:06	2037-26-5	
4-Bromofluorobenzene (S)	81	%	51-142	1		08/11/17 22:06	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>14.9</b>	%	0.10	1		08/15/17 10:13		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-22 (014016) Lab ID: 50177414006 Collected: 08/09/17 12:51 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	83-32-9	
Acenaphthylene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	208-96-8	
Anthracene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	207-08-9	
Chrysene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	53-70-3	
Fluoranthene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	206-44-0	
Fluorene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	91-57-6	
Naphthalene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	91-20-3	
Phenanthrene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	85-01-8	
Pyrene	ND	mg/kg	0.0053	1	08/10/17 22:15	08/12/17 01:19	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	57	%	30-94	1	08/10/17 22:15	08/12/17 01:19	321-60-8	
p-Terphenyl-d14 (S)	60	%	27-102	1	08/10/17 22:15	08/12/17 01:19	1718-51-0	

#### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.085	1		08/11/17 22:39	67-64-1	
Acrolein	ND	mg/kg	0.085	1		08/11/17 22:39	107-02-8	
Acrylonitrile	ND	mg/kg	0.085	1		08/11/17 22:39	107-13-1	
Benzene	ND	mg/kg	0.0043	1		08/11/17 22:39	71-43-2	
Bromobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	108-86-1	
Bromochloromethane	ND	mg/kg	0.0043	1		08/11/17 22:39	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0043	1		08/11/17 22:39	75-27-4	
Bromoform	ND	mg/kg	0.0043	1		08/11/17 22:39	75-25-2	
Bromomethane	ND	mg/kg	0.0043	1		08/11/17 22:39	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	1		08/11/17 22:39	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	98-06-6	
Carbon disulfide	ND	mg/kg	0.0085	1		08/11/17 22:39	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0043	1		08/11/17 22:39	56-23-5	
Chlorobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	108-90-7	
Chloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	75-00-3	
Chloroform	ND	mg/kg	0.0043	1		08/11/17 22:39	67-66-3	
Chloromethane	ND	mg/kg	0.0043	1		08/11/17 22:39	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0043	1		08/11/17 22:39	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0043	1		08/11/17 22:39	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0043	1		08/11/17 22:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0043	1		08/11/17 22:39	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-22 (014016)**      **Lab ID: 50177414006**      Collected: 08/09/17 12:51      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0043	1		08/11/17 22:39	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.085	1		08/11/17 22:39	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0043	1		08/11/17 22:39	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0043	1		08/11/17 22:39	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	1		08/11/17 22:39	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	1		08/11/17 22:39	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0043	1		08/11/17 22:39	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0043	1		08/11/17 22:39	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0043	1		08/11/17 22:39	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0043	1		08/11/17 22:39	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	1		08/11/17 22:39	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	1		08/11/17 22:39	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.085	1		08/11/17 22:39	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0043	1		08/11/17 22:39	87-68-3	
n-Hexane	ND	mg/kg	0.0043	1		08/11/17 22:39	110-54-3	
2-Hexanone	ND	mg/kg	0.085	1		08/11/17 22:39	591-78-6	
Iodomethane	ND	mg/kg	0.085	1		08/11/17 22:39	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0043	1		08/11/17 22:39	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0043	1		08/11/17 22:39	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	1		08/11/17 22:39	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0085	1		08/11/17 22:39	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0085	1		08/11/17 22:39	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1		08/11/17 22:39	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0043	1		08/11/17 22:39	1634-04-4	
Naphthalene	ND	mg/kg	0.0043	1		08/11/17 22:39	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	103-65-1	
Styrene	ND	mg/kg	0.0043	1		08/11/17 22:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0043	1		08/11/17 22:39	127-18-4	
Toluene	ND	mg/kg	0.0043	1		08/11/17 22:39	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0043	1		08/11/17 22:39	79-00-5	
Trichloroethene	ND	mg/kg	0.0043	1		08/11/17 22:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0043	1		08/11/17 22:39	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0043	1		08/11/17 22:39	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	1		08/11/17 22:39	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-22 (014016)**      **Lab ID: 50177414006**      Collected: 08/09/17 12:51      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.085	1		08/11/17 22:39	108-05-4	
Vinyl chloride	ND	mg/kg	0.0043	1		08/11/17 22:39	75-01-4	
Xylene (Total)	ND	mg/kg	0.0085	1		08/11/17 22:39	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	118	%	69-136	1		08/11/17 22:39	1868-53-7	
Toluene-d8 (S)	136	%	64-150	1		08/11/17 22:39	2037-26-5	
4-Bromofluorobenzene (S)	75	%	51-142	1		08/11/17 22:39	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>7.4</b>	%	0.10	1		08/15/17 10:13		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-24 (002004) Lab ID: 50177414007 Collected: 08/08/17 15:36 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	9.7	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:19	7440-38-2	
Barium	94.2	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:19	7440-39-3	
Cadmium	ND	mg/kg	0.57	1	08/18/17 07:08	08/21/17 10:19	7440-43-9	
Chromium	16.1	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:19	7440-47-3	
Lead	22.5	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:19	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:19	7782-49-2	
Silver	ND	mg/kg	0.57	1	08/18/17 07:08	08/21/17 10:19	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	1.1	mg/kg	0.22	1	08/17/17 00:30	08/17/17 12:26	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	83-32-9	
Acenaphthylene	0.040	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	208-96-8	
Anthracene	0.045	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	120-12-7	
Benzo(a)anthracene	0.21	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	56-55-3	
Benzo(a)pyrene	0.12	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	50-32-8	
Benzo(b)fluoranthene	0.16	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	205-99-2	
Benzo(g,h,i)perylene	0.069	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	191-24-2	
Benzo(k)fluoranthene	0.13	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	207-08-9	
Chrysene	0.23	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	218-01-9	
Dibenz(a,h)anthracene	0.038	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	53-70-3	
Fluoranthene	0.15	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	206-44-0	
Fluorene	ND	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	86-73-7	
Indeno(1,2,3-cd)pyrene	0.072	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	91-57-6	
Naphthalene	ND	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	91-20-3	ED
Phenanthrene	0.067	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	85-01-8	
Pyrene	0.18	mg/kg	0.028	5	08/10/17 22:15	08/12/17 01:35	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	46	%	30-94	5	08/10/17 22:15	08/12/17 01:35	321-60-8	
p-Terphenyl-d14 (S)	49	%	27-102	5	08/10/17 22:15	08/12/17 01:35	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.091	1		08/11/17 23:13	67-64-1	
Acrolein	ND	mg/kg	0.091	1		08/11/17 23:13	107-02-8	
Acrylonitrile	ND	mg/kg	0.091	1		08/11/17 23:13	107-13-1	
Benzene	ND	mg/kg	0.0045	1		08/11/17 23:13	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	1		08/11/17 23:13	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	1		08/11/17 23:13	75-27-4	
Bromoform	ND	mg/kg	0.0045	1		08/11/17 23:13	75-25-2	
Bromomethane	ND	mg/kg	0.0045	1		08/11/17 23:13	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/11/17 23:13	78-93-3	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-24 (002004) Lab ID: 50177414007 Collected: 08/08/17 15:36 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	1		08/11/17 23:13	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	1		08/11/17 23:13	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	108-90-7	
Chloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	75-00-3	
Chloroform	ND	mg/kg	0.0045	1		08/11/17 23:13	67-66-3	
Chloromethane	ND	mg/kg	0.0045	1		08/11/17 23:13	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	1		08/11/17 23:13	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	1		08/11/17 23:13	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	1		08/11/17 23:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0045	1		08/11/17 23:13	106-93-4	
Dibromomethane	ND	mg/kg	0.0045	1		08/11/17 23:13	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	1		08/11/17 23:13	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	1		08/11/17 23:13	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	1		08/11/17 23:13	75-35-4	
cis-1,2-Dichloroethene	<b>0.0047</b>	mg/kg	0.0045	1		08/11/17 23:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	1		08/11/17 23:13	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	1		08/11/17 23:13	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	1		08/11/17 23:13	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	1		08/11/17 23:13	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	1		08/11/17 23:13	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	1		08/11/17 23:13	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	1		08/11/17 23:13	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	1		08/11/17 23:13	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0045	1		08/11/17 23:13	87-68-3	
n-Hexane	ND	mg/kg	0.0045	1		08/11/17 23:13	110-54-3	
2-Hexanone	ND	mg/kg	0.091	1		08/11/17 23:13	591-78-6	
Iodomethane	ND	mg/kg	0.091	1		08/11/17 23:13	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	1		08/11/17 23:13	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	1		08/11/17 23:13	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	1		08/11/17 23:13	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0091	1		08/11/17 23:13	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0091	1		08/11/17 23:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/11/17 23:13	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	1		08/11/17 23:13	1634-04-4	
Naphthalene	ND	mg/kg	0.0045	1		08/11/17 23:13	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	103-65-1	
Styrene	ND	mg/kg	0.0045	1		08/11/17 23:13	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-24 (002004)**    **Lab ID: 50177414007**    Collected: 08/08/17 15:36    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	79-34-5	
Tetrachloroethene	<b>0.032</b>	mg/kg	0.0045	1		08/11/17 23:13	127-18-4	
Toluene	ND	mg/kg	0.0045	1		08/11/17 23:13	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	1		08/11/17 23:13	79-00-5	
Trichloroethene	<b>0.098</b>	mg/kg	0.0045	1		08/11/17 23:13	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	1		08/11/17 23:13	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0045	1		08/11/17 23:13	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	1		08/11/17 23:13	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	1		08/11/17 23:13	108-05-4	
Vinyl chloride	ND	mg/kg	0.0045	1		08/11/17 23:13	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	1		08/11/17 23:13	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104	%	69-136	1		08/11/17 23:13	1868-53-7	
Toluene-d8 (S)	106	%	64-150	1		08/11/17 23:13	2037-26-5	
4-Bromofluorobenzene (S)	95	%	51-142	1		08/11/17 23:13	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>12.2</b>	%	0.10	1		08/15/17 10:13		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-24 (016018) Lab ID: 50177414008 Collected: 08/08/17 15:51 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 01:52	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	52	%	30-94	1	08/10/17 22:15	08/12/17 01:52	321-60-8	
p-Terphenyl-d14 (S)	57	%	27-102	1	08/10/17 22:15	08/12/17 01:52	1718-51-0	

**8260 MSV 5035A VOA**

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.088	1		08/11/17 23:46	67-64-1	
Acrolein	ND	mg/kg	0.088	1		08/11/17 23:46	107-02-8	
Acrylonitrile	ND	mg/kg	0.088	1		08/11/17 23:46	107-13-1	
Benzene	ND	mg/kg	0.0044	1		08/11/17 23:46	71-43-2	
Bromobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	1		08/11/17 23:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	1		08/11/17 23:46	75-27-4	
Bromoform	ND	mg/kg	0.0044	1		08/11/17 23:46	75-25-2	
Bromomethane	ND	mg/kg	0.0044	1		08/11/17 23:46	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	1		08/11/17 23:46	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	98-06-6	
Carbon disulfide	ND	mg/kg	0.0088	1		08/11/17 23:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	1		08/11/17 23:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	108-90-7	
Chloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	75-00-3	
Chloroform	ND	mg/kg	0.0044	1		08/11/17 23:46	67-66-3	
Chloromethane	ND	mg/kg	0.0044	1		08/11/17 23:46	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0044	1		08/11/17 23:46	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0044	1		08/11/17 23:46	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0044	1		08/11/17 23:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0044	1		08/11/17 23:46	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-24 (016018)**      **Lab ID: 50177414008**      Collected: 08/08/17 15:51      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0044	1		08/11/17 23:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.088	1		08/11/17 23:46	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0044	1		08/11/17 23:46	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	1		08/11/17 23:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	1		08/11/17 23:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	1		08/11/17 23:46	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	1		08/11/17 23:46	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0044	1		08/11/17 23:46	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0044	1		08/11/17 23:46	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0044	1		08/11/17 23:46	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	1		08/11/17 23:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	1		08/11/17 23:46	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.088	1		08/11/17 23:46	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0044	1		08/11/17 23:46	87-68-3	
n-Hexane	ND	mg/kg	0.0044	1		08/11/17 23:46	110-54-3	
2-Hexanone	ND	mg/kg	0.088	1		08/11/17 23:46	591-78-6	
Iodomethane	ND	mg/kg	0.088	1		08/11/17 23:46	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	1		08/11/17 23:46	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0044	1		08/11/17 23:46	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	1		08/11/17 23:46	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0088	1		08/11/17 23:46	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0088	1		08/11/17 23:46	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1		08/11/17 23:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	1		08/11/17 23:46	1634-04-4	
Naphthalene	ND	mg/kg	0.0044	1		08/11/17 23:46	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	103-65-1	
Styrene	ND	mg/kg	0.0044	1		08/11/17 23:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	1		08/11/17 23:46	127-18-4	
Toluene	ND	mg/kg	0.0044	1		08/11/17 23:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	1		08/11/17 23:46	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	1		08/11/17 23:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	1		08/11/17 23:46	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0044	1		08/11/17 23:46	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	1		08/11/17 23:46	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-24 (016018)**      **Lab ID: 50177414008**      Collected: 08/08/17 15:51      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.088	1		08/11/17 23:46	108-05-4	
Vinyl chloride	ND	mg/kg	0.0044	1		08/11/17 23:46	75-01-4	
Xylene (Total)	ND	mg/kg	0.0088	1		08/11/17 23:46	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	120	%	69-136	1		08/11/17 23:46	1868-53-7	
Toluene-d8 (S)	134	%	64-150	1		08/11/17 23:46	2037-26-5	
4-Bromofluorobenzene (S)	75	%	51-142	1		08/11/17 23:46	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.8</b>	%	0.10	1		08/15/17 10:13		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-25 (002004) Lab ID: 50177414009 Collected: 08/08/17 14:45 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.8	mg/kg	1.2	1	08/18/17 07:08	08/21/17 10:21	7440-38-2	
Barium	95.3	mg/kg	1.2	1	08/18/17 07:08	08/21/17 10:21	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	08/18/17 07:08	08/21/17 10:21	7440-43-9	
Chromium	17.9	mg/kg	1.2	1	08/18/17 07:08	08/21/17 10:21	7440-47-3	
Lead	12.1	mg/kg	1.2	1	08/18/17 07:08	08/21/17 10:21	7439-92-1	
Selenium	ND	mg/kg	1.2	1	08/18/17 07:08	08/21/17 10:21	7782-49-2	
Silver	ND	mg/kg	0.58	1	08/18/17 07:08	08/21/17 10:21	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.26	1	08/17/17 00:30	08/17/17 12:28	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	83-32-9	
Acenaphthylene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	208-96-8	
Anthracene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	207-08-9	
Chrysene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	53-70-3	
Fluoranthene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	206-44-0	
Fluorene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	91-57-6	
Naphthalene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	91-20-3	
Phenanthrene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	85-01-8	
Pyrene	ND	mg/kg	0.0060	1	08/10/17 22:15	08/12/17 02:08	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	60	%.	30-94	1	08/10/17 22:15	08/12/17 02:08	321-60-8	
p-Terphenyl-d14 (S)	72	%.	27-102	1	08/10/17 22:15	08/12/17 02:08	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.10	1		08/12/17 00:20	67-64-1	
Acrolein	ND	mg/kg	0.10	1		08/12/17 00:20	107-02-8	
Acrylonitrile	ND	mg/kg	0.10	1		08/12/17 00:20	107-13-1	
Benzene	ND	mg/kg	0.0050	1		08/12/17 00:20	71-43-2	
Bromobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	108-86-1	
Bromochloromethane	ND	mg/kg	0.0050	1		08/12/17 00:20	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0050	1		08/12/17 00:20	75-27-4	
Bromoform	ND	mg/kg	0.0050	1		08/12/17 00:20	75-25-2	
Bromomethane	ND	mg/kg	0.0050	1		08/12/17 00:20	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	1		08/12/17 00:20	78-93-3	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-25 (002004) Lab ID: 50177414009 Collected: 08/08/17 14:45 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	1		08/12/17 00:20	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	1		08/12/17 00:20	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	108-90-7	
Chloroethane	ND	mg/kg	0.0050	1		08/12/17 00:20	75-00-3	
Chloroform	<b>0.026</b>	mg/kg	0.0050	1		08/12/17 00:20	67-66-3	
Chloromethane	ND	mg/kg	0.0050	1		08/12/17 00:20	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0050	1		08/12/17 00:20	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0050	1		08/12/17 00:20	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0050	1		08/12/17 00:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0050	1		08/12/17 00:20	106-93-4	
Dibromomethane	ND	mg/kg	0.0050	1		08/12/17 00:20	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	1		08/12/17 00:20	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0050	1		08/12/17 00:20	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0050	1		08/12/17 00:20	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	1		08/12/17 00:20	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	1		08/12/17 00:20	75-35-4	
cis-1,2-Dichloroethene	<b>0.041</b>	mg/kg	0.0050	1		08/12/17 00:20	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	1		08/12/17 00:20	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	1		08/12/17 00:20	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0050	1		08/12/17 00:20	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0050	1		08/12/17 00:20	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0050	1		08/12/17 00:20	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	1		08/12/17 00:20	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	1		08/12/17 00:20	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	1		08/12/17 00:20	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0050	1		08/12/17 00:20	87-68-3	
n-Hexane	ND	mg/kg	0.0050	1		08/12/17 00:20	110-54-3	
2-Hexanone	ND	mg/kg	0.10	1		08/12/17 00:20	591-78-6	
Iodomethane	ND	mg/kg	0.10	1		08/12/17 00:20	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0050	1		08/12/17 00:20	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0050	1		08/12/17 00:20	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	1		08/12/17 00:20	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.010	1		08/12/17 00:20	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.010	1		08/12/17 00:20	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	1		08/12/17 00:20	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	1		08/12/17 00:20	1634-04-4	
Naphthalene	ND	mg/kg	0.0050	1		08/12/17 00:20	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	103-65-1	
Styrene	ND	mg/kg	0.0050	1		08/12/17 00:20	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-25 (002004)**    **Lab ID: 50177414009**    Collected: 08/08/17 14:45    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	1		08/12/17 00:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	1		08/12/17 00:20	79-34-5	
Tetrachloroethene	<b>0.0068</b>	mg/kg	0.0050	1		08/12/17 00:20	127-18-4	
Toluene	ND	mg/kg	0.0050	1		08/12/17 00:20	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	120-82-1	
1,1,1-Trichloroethane	<b>0.011</b>	mg/kg	0.0050	1		08/12/17 00:20	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	1		08/12/17 00:20	79-00-5	
Trichloroethene	<b>0.67</b>	mg/kg	0.28	50		08/16/17 16:22	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	1		08/12/17 00:20	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	1		08/12/17 00:20	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	1		08/12/17 00:20	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	1		08/12/17 00:20	108-05-4	
Vinyl chloride	ND	mg/kg	0.0050	1		08/12/17 00:20	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	1		08/12/17 00:20	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	102	%	69-136	1		08/12/17 00:20	1868-53-7	
Toluene-d8 (S)	106	%	64-150	1		08/12/17 00:20	2037-26-5	
4-Bromofluorobenzene (S)	96	%	51-142	1		08/12/17 00:20	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>17.9</b>	%	0.10	1		08/15/17 10:13		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-25 (016018) Lab ID: 50177414010 Collected: 08/08/17 14:53 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/10/17 22:15	08/12/17 02:25	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	59	%	30-94	1	08/10/17 22:15	08/12/17 02:25	321-60-8	
p-Terphenyl-d14 (S)	66	%	27-102	1	08/10/17 22:15	08/12/17 02:25	1718-51-0	

#### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.091	1		08/12/17 00:53	67-64-1	
Acrolein	ND	mg/kg	0.091	1		08/12/17 00:53	107-02-8	
Acrylonitrile	ND	mg/kg	0.091	1		08/12/17 00:53	107-13-1	
Benzene	ND	mg/kg	0.0045	1		08/12/17 00:53	71-43-2	
Bromobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	108-86-1	
Bromochloromethane	ND	mg/kg	0.0045	1		08/12/17 00:53	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0045	1		08/12/17 00:53	75-27-4	
Bromoform	ND	mg/kg	0.0045	1		08/12/17 00:53	75-25-2	
Bromomethane	ND	mg/kg	0.0045	1		08/12/17 00:53	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/12/17 00:53	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	1		08/12/17 00:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	1		08/12/17 00:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	108-90-7	
Chloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	75-00-3	
Chloroform	ND	mg/kg	0.0045	1		08/12/17 00:53	67-66-3	
Chloromethane	ND	mg/kg	0.0045	1		08/12/17 00:53	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0045	1		08/12/17 00:53	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0045	1		08/12/17 00:53	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0045	1		08/12/17 00:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0045	1		08/12/17 00:53	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-25 (016018) Lab ID: 50177414010 Collected: 08/08/17 14:53 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0045	1		08/12/17 00:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	1		08/12/17 00:53	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0045	1		08/12/17 00:53	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	107-06-2	
1,1-Dichloroethene	<b>0.10</b>	mg/kg	0.0045	1		08/12/17 00:53	75-35-4	
cis-1,2-Dichloroethene	<b>0.15</b>	mg/kg	0.0045	1		08/12/17 00:53	156-59-2	
trans-1,2-Dichloroethene	<b>0.038</b>	mg/kg	0.0045	1		08/12/17 00:53	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	1		08/12/17 00:53	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0045	1		08/12/17 00:53	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0045	1		08/12/17 00:53	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0045	1		08/12/17 00:53	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	1		08/12/17 00:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	1		08/12/17 00:53	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	1		08/12/17 00:53	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0045	1		08/12/17 00:53	87-68-3	
n-Hexane	ND	mg/kg	0.0045	1		08/12/17 00:53	110-54-3	
2-Hexanone	ND	mg/kg	0.091	1		08/12/17 00:53	591-78-6	
Iodomethane	ND	mg/kg	0.091	1		08/12/17 00:53	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	1		08/12/17 00:53	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0045	1		08/12/17 00:53	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	1		08/12/17 00:53	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0091	1		08/12/17 00:53	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0091	1		08/12/17 00:53	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/12/17 00:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	1		08/12/17 00:53	1634-04-4	
Naphthalene	ND	mg/kg	0.0045	1		08/12/17 00:53	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	103-65-1	
Styrene	ND	mg/kg	0.0045	1		08/12/17 00:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	1		08/12/17 00:53	127-18-4	
Toluene	ND	mg/kg	0.0045	1		08/12/17 00:53	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	1		08/12/17 00:53	79-00-5	
Trichloroethene	<b>18.5</b>	mg/kg	0.43	100		08/16/17 16:56	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	1		08/12/17 00:53	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0045	1		08/12/17 00:53	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	1		08/12/17 00:53	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-25 (016018)**      **Lab ID: 50177414010**      Collected: 08/08/17 14:53      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.091	1		08/12/17 00:53	108-05-4	
Vinyl chloride	<b>0.10</b>	mg/kg	0.0045	1		08/12/17 00:53	75-01-4	
Xylene (Total)	ND	mg/kg	0.0091	1		08/12/17 00:53	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	108	%.	69-136	1		08/12/17 00:53	1868-53-7	
Toluene-d8 (S)	129	%.	64-150	1		08/12/17 00:53	2037-26-5	
4-Bromofluorobenzene (S)	76	%.	51-142	1		08/12/17 00:53	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>9.2</b>	%	0.10	1		08/15/17 10:14		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-26 (002004)**    **Lab ID: 50177414011**    Collected: 08/09/17 08:53    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3050						
Arsenic	7.4	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:31	7440-38-2	
Barium	76.7	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:31	7440-39-3	
Cadmium	ND	mg/kg	0.56	1	08/18/17 07:08	08/21/17 10:31	7440-43-9	
Chromium	17.7	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:31	7440-47-3	
Lead	10.3	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:31	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:31	7782-49-2	
Silver	ND	mg/kg	0.56	1	08/18/17 07:08	08/21/17 10:31	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471    Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.24	1	08/17/17 00:30	08/17/17 12:38	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	83-32-9	
Acenaphthylene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	208-96-8	
Anthracene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	207-08-9	
Chrysene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	53-70-3	
Fluoranthene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	206-44-0	
Fluorene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	91-57-6	
Naphthalene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	91-20-3	
Phenanthrene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	85-01-8	
Pyrene	ND	mg/kg	0.0059	1	08/10/17 22:15	08/12/17 02:41	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	58	%	30-94	1	08/10/17 22:15	08/12/17 02:41	321-60-8	
p-Terphenyl-d14 (S)	71	%	27-102	1	08/10/17 22:15	08/12/17 02:41	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	0.17	mg/kg	0.11	1		08/12/17 01:26	67-64-1	1d
Acrolein	ND	mg/kg	0.11	1		08/12/17 01:26	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/12/17 01:26	107-13-1	
Benzene	ND	mg/kg	0.0057	1		08/12/17 01:26	71-43-2	
Bromobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	108-86-1	
Bromochloromethane	ND	mg/kg	0.0057	1		08/12/17 01:26	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0057	1		08/12/17 01:26	75-27-4	
Bromoform	ND	mg/kg	0.0057	1		08/12/17 01:26	75-25-2	
Bromomethane	ND	mg/kg	0.0057	1		08/12/17 01:26	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.029	1		08/12/17 01:26	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-26 (002004) Lab ID: 50177414011 Collected: 08/09/17 08:53 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/12/17 01:26	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0057	1		08/12/17 01:26	56-23-5	
Chlorobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	108-90-7	
Chloroethane	ND	mg/kg	0.0057	1		08/12/17 01:26	75-00-3	
Chloroform	ND	mg/kg	0.0057	1		08/12/17 01:26	67-66-3	
Chloromethane	ND	mg/kg	0.0057	1		08/12/17 01:26	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0057	1		08/12/17 01:26	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0057	1		08/12/17 01:26	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0057	1		08/12/17 01:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0057	1		08/12/17 01:26	106-93-4	
Dibromomethane	ND	mg/kg	0.0057	1		08/12/17 01:26	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/12/17 01:26	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0057	1		08/12/17 01:26	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0057	1		08/12/17 01:26	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0057	1		08/12/17 01:26	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0057	1		08/12/17 01:26	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0057	1		08/12/17 01:26	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0057	1		08/12/17 01:26	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0057	1		08/12/17 01:26	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0057	1		08/12/17 01:26	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0057	1		08/12/17 01:26	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0057	1		08/12/17 01:26	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0057	1		08/12/17 01:26	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0057	1		08/12/17 01:26	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/12/17 01:26	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0057	1		08/12/17 01:26	87-68-3	
n-Hexane	ND	mg/kg	0.0057	1		08/12/17 01:26	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/12/17 01:26	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/12/17 01:26	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0057	1		08/12/17 01:26	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0057	1		08/12/17 01:26	99-87-6	
Methylene Chloride	ND	mg/kg	0.023	1		08/12/17 01:26	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/12/17 01:26	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/12/17 01:26	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	1		08/12/17 01:26	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0057	1		08/12/17 01:26	1634-04-4	
Naphthalene	ND	mg/kg	0.0057	1		08/12/17 01:26	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	103-65-1	
Styrene	ND	mg/kg	0.0057	1		08/12/17 01:26	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-26 (002004)**    **Lab ID: 50177414011**    Collected: 08/09/17 08:53    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0057	1		08/12/17 01:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0057	1		08/12/17 01:26	79-34-5	
Tetrachloroethene	<b>0.020</b>	mg/kg	0.0057	1		08/12/17 01:26	127-18-4	
Toluene	ND	mg/kg	0.0057	1		08/12/17 01:26	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	120-82-1	
1,1,1-Trichloroethane	<b>0.014</b>	mg/kg	0.0057	1		08/12/17 01:26	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0057	1		08/12/17 01:26	79-00-5	
Trichloroethene	<b>0.0070</b>	mg/kg	0.0068	1		08/16/17 21:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0057	1		08/12/17 01:26	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0057	1		08/12/17 01:26	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0057	1		08/12/17 01:26	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/12/17 01:26	108-05-4	
Vinyl chloride	ND	mg/kg	0.0057	1		08/12/17 01:26	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/12/17 01:26	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	113	%	69-136	1		08/12/17 01:26	1868-53-7	
Toluene-d8 (S)	113	%	64-150	1		08/12/17 01:26	2037-26-5	
4-Bromofluorobenzene (S)	90	%	51-142	1		08/12/17 01:26	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>15.2</b>	%	0.10	1		08/15/17 10:14		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-26 (016018)**    **Lab ID: 50177414012**    Collected: 08/09/17 09:10    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/10/17 22:15	08/12/17 02:58	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	59	%	30-94	1	08/10/17 22:15	08/12/17 02:58	321-60-8	
p-Terphenyl-d14 (S)	64	%	27-102	1	08/10/17 22:15	08/12/17 02:58	1718-51-0	

**8260 MSV 5035A VOA**    Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.080	1		08/12/17 02:00	67-64-1	
Acrolein	ND	mg/kg	0.080	1		08/12/17 02:00	107-02-8	
Acrylonitrile	ND	mg/kg	0.080	1		08/12/17 02:00	107-13-1	
Benzene	ND	mg/kg	0.0040	1		08/12/17 02:00	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1		08/12/17 02:00	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1		08/12/17 02:00	75-27-4	
Bromoform	ND	mg/kg	0.0040	1		08/12/17 02:00	75-25-2	
Bromomethane	ND	mg/kg	0.0040	1		08/12/17 02:00	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/12/17 02:00	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	98-06-6	
Carbon disulfide	ND	mg/kg	0.0080	1		08/12/17 02:00	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1		08/12/17 02:00	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	108-90-7	
Chloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	75-00-3	
Chloroform	ND	mg/kg	0.0040	1		08/12/17 02:00	67-66-3	
Chloromethane	ND	mg/kg	0.0040	1		08/12/17 02:00	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 02:00	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 02:00	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	1		08/12/17 02:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1		08/12/17 02:00	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-26 (016018)**      **Lab ID: 50177414012**      Collected: 08/09/17 09:10      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0040	1		08/12/17 02:00	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.080	1		08/12/17 02:00	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	1		08/12/17 02:00	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 02:00	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 02:00	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 02:00	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 02:00	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 02:00	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 02:00	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 02:00	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 02:00	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 02:00	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.080	1		08/12/17 02:00	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0040	1		08/12/17 02:00	87-68-3	
n-Hexane	ND	mg/kg	0.0040	1		08/12/17 02:00	110-54-3	
2-Hexanone	ND	mg/kg	0.080	1		08/12/17 02:00	591-78-6	
Iodomethane	ND	mg/kg	0.080	1		08/12/17 02:00	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1		08/12/17 02:00	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	1		08/12/17 02:00	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/12/17 02:00	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0080	1		08/12/17 02:00	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0080	1		08/12/17 02:00	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/12/17 02:00	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1		08/12/17 02:00	1634-04-4	
Naphthalene	ND	mg/kg	0.0040	1		08/12/17 02:00	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	103-65-1	
Styrene	ND	mg/kg	0.0040	1		08/12/17 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	1		08/12/17 02:00	127-18-4	
Toluene	ND	mg/kg	0.0040	1		08/12/17 02:00	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 02:00	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	1		08/12/17 02:00	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	1		08/12/17 02:00	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1		08/12/17 02:00	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 02:00	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-26 (016018)**      **Lab ID: 50177414012**      Collected: 08/09/17 09:10      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.080	1		08/12/17 02:00	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	1		08/12/17 02:00	75-01-4	
Xylene (Total)	ND	mg/kg	0.0080	1		08/12/17 02:00	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	122	%	69-136	1		08/12/17 02:00	1868-53-7	
Toluene-d8 (S)	134	%	64-150	1		08/12/17 02:00	2037-26-5	
4-Bromofluorobenzene (S)	68	%	51-142	1		08/12/17 02:00	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>6.8</b>	%	0.10	1		08/15/17 10:14		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-27 (002004) Lab ID: 50177414013 Collected: 08/09/17 09:53 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.1	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:34	7440-38-2	
Barium	171	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:34	7440-39-3	
Cadmium	0.56	mg/kg	0.54	1	08/18/17 07:08	08/21/17 10:34	7440-43-9	
Chromium	15.4	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:34	7440-47-3	
Lead	54.9	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:34	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/18/17 07:08	08/21/17 10:34	7782-49-2	
Silver	ND	mg/kg	0.54	1	08/18/17 07:08	08/21/17 10:34	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	1.2	mg/kg	0.21	1	08/17/17 00:30	08/17/17 12:41	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	83-32-9	
Acenaphthylene	0.030	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	208-96-8	
Anthracene	0.085	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	120-12-7	
Benzo(a)anthracene	0.25	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	56-55-3	
Benzo(a)pyrene	0.13	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	50-32-8	
Benzo(b)fluoranthene	0.15	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	205-99-2	
Benzo(g,h,i)perylene	0.081	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	191-24-2	
Benzo(k)fluoranthene	0.13	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	207-08-9	
Chrysene	0.30	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	218-01-9	
Dibenz(a,h)anthracene	0.054	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	53-70-3	
Fluoranthene	0.51	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	206-44-0	
Fluorene	ND	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	86-73-7	
Indeno(1,2,3-cd)pyrene	0.074	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	193-39-5	
1-Methylnaphthalene	0.035	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	90-12-0	N2
2-Methylnaphthalene	0.036	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	91-57-6	
Naphthalene	0.071	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	91-20-3	ED
Phenanthrene	0.35	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	85-01-8	
Pyrene	0.41	mg/kg	0.028	5	08/11/17 10:51	08/14/17 13:45	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	66	%	30-94	5	08/11/17 10:51	08/14/17 13:45	321-60-8	
p-Terphenyl-d14 (S)	73	%	27-102	5	08/11/17 10:51	08/14/17 13:45	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.15	1		08/12/17 04:47	67-64-1	
Acrolein	ND	mg/kg	0.15	1		08/12/17 04:47	107-02-8	
Acrylonitrile	ND	mg/kg	0.15	1		08/12/17 04:47	107-13-1	
Benzene	ND	mg/kg	0.0077	1		08/12/17 04:47	71-43-2	
Bromobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	108-86-1	
Bromochloromethane	ND	mg/kg	0.0077	1		08/12/17 04:47	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0077	1		08/12/17 04:47	75-27-4	
Bromoform	ND	mg/kg	0.0077	1		08/12/17 04:47	75-25-2	
Bromomethane	ND	mg/kg	0.0077	1		08/12/17 04:47	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.038	1		08/12/17 04:47	78-93-3	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-27 (002004) Lab ID: 50177414013 Collected: 08/09/17 09:53 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	98-06-6	
Carbon disulfide	ND	mg/kg	0.015	1		08/12/17 04:47	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0077	1		08/12/17 04:47	56-23-5	
Chlorobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	108-90-7	
Chloroethane	ND	mg/kg	0.0077	1		08/12/17 04:47	75-00-3	
Chloroform	ND	mg/kg	0.0077	1		08/12/17 04:47	67-66-3	
Chloromethane	ND	mg/kg	0.0077	1		08/12/17 04:47	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0077	1		08/12/17 04:47	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0077	1		08/12/17 04:47	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0077	1		08/12/17 04:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0077	1		08/12/17 04:47	106-93-4	
Dibromomethane	ND	mg/kg	0.0077	1		08/12/17 04:47	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.15	1		08/12/17 04:47	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0077	1		08/12/17 04:47	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0077	1		08/12/17 04:47	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0077	1		08/12/17 04:47	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0077	1		08/12/17 04:47	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0077	1		08/12/17 04:47	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0077	1		08/12/17 04:47	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0077	1		08/12/17 04:47	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0077	1		08/12/17 04:47	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0077	1		08/12/17 04:47	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0077	1		08/12/17 04:47	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0077	1		08/12/17 04:47	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0077	1		08/12/17 04:47	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.15	1		08/12/17 04:47	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0077	1		08/12/17 04:47	87-68-3	
n-Hexane	ND	mg/kg	0.0077	1		08/12/17 04:47	110-54-3	
2-Hexanone	ND	mg/kg	0.15	1		08/12/17 04:47	591-78-6	
Iodomethane	ND	mg/kg	0.15	1		08/12/17 04:47	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0077	1		08/12/17 04:47	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0077	1		08/12/17 04:47	99-87-6	
Methylene Chloride	ND	mg/kg	0.031	1		08/12/17 04:47	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.015	1		08/12/17 04:47	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.015	1		08/12/17 04:47	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.038	1		08/12/17 04:47	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0077	1		08/12/17 04:47	1634-04-4	
Naphthalene	<b>0.015</b>	mg/kg	0.0077	1		08/12/17 04:47	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	103-65-1	
Styrene	ND	mg/kg	0.0077	1		08/12/17 04:47	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-27 (002004)**    **Lab ID: 50177414013**    Collected: 08/09/17 09:53    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0077	1		08/12/17 04:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0077	1		08/12/17 04:47	79-34-5	
Tetrachloroethene	<b>0.015</b>	mg/kg	0.0077	1		08/12/17 04:47	127-18-4	
Toluene	ND	mg/kg	0.0077	1		08/12/17 04:47	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0077	1		08/12/17 04:47	120-82-1	
1,1,1-Trichloroethane	<b>0.0087</b>	mg/kg	0.0077	1		08/12/17 04:47	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0077	1		08/12/17 04:47	79-00-5	
Trichloroethene	<b>0.063</b>	mg/kg	0.0077	1		08/12/17 04:47	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0077	1		08/12/17 04:47	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0077	1		08/12/17 04:47	96-18-4	
1,2,4-Trimethylbenzene	<b>0.0098</b>	mg/kg	0.0077	1		08/12/17 04:47	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0095</b>	mg/kg	0.0077	1		08/12/17 04:47	108-67-8	
Vinyl acetate	ND	mg/kg	0.15	1		08/12/17 04:47	108-05-4	
Vinyl chloride	ND	mg/kg	0.0077	1		08/12/17 04:47	75-01-4	
Xylene (Total)	ND	mg/kg	0.015	1		08/12/17 04:47	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	68	%	69-136	1		08/12/17 04:47	1868-53-7	S1
Toluene-d8 (S)	108	%	64-150	1		08/12/17 04:47	2037-26-5	
4-Bromofluorobenzene (S)	95	%	51-142	1		08/12/17 04:47	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>12.1</b>	%	0.10	1		08/15/17 10:14		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-27 (016018) Lab ID: 50177414014 Collected: 08/09/17 10:08 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:01	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	65	%	30-94	1	08/11/17 10:51	08/14/17 14:01	321-60-8	
p-Terphenyl-d14 (S)	75	%	27-102	1	08/11/17 10:51	08/14/17 14:01	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.077	1		08/12/17 05:21	67-64-1	
Acrolein	ND	mg/kg	0.077	1		08/12/17 05:21	107-02-8	
Acrylonitrile	ND	mg/kg	0.077	1		08/12/17 05:21	107-13-1	
Benzene	ND	mg/kg	0.0038	1		08/12/17 05:21	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1		08/12/17 05:21	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1		08/12/17 05:21	75-27-4	
Bromoform	ND	mg/kg	0.0038	1		08/12/17 05:21	75-25-2	
Bromomethane	ND	mg/kg	0.0038	1		08/12/17 05:21	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/12/17 05:21	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	1		08/12/17 05:21	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1		08/12/17 05:21	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	108-90-7	
Chloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	75-00-3	
Chloroform	ND	mg/kg	0.0038	1		08/12/17 05:21	67-66-3	
Chloromethane	ND	mg/kg	0.0038	1		08/12/17 05:21	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1		08/12/17 05:21	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	1		08/12/17 05:21	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	1		08/12/17 05:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1		08/12/17 05:21	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-27 (016018) Lab ID: 50177414014 Collected: 08/09/17 10:08 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0038	1		08/12/17 05:21	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	1		08/12/17 05:21	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	1		08/12/17 05:21	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	1		08/12/17 05:21	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/12/17 05:21	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/12/17 05:21	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	1		08/12/17 05:21	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	1		08/12/17 05:21	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	1		08/12/17 05:21	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	1		08/12/17 05:21	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/12/17 05:21	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/12/17 05:21	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	1		08/12/17 05:21	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0038	1		08/12/17 05:21	87-68-3	
n-Hexane	ND	mg/kg	0.0038	1		08/12/17 05:21	110-54-3	
2-Hexanone	ND	mg/kg	0.077	1		08/12/17 05:21	591-78-6	
Iodomethane	ND	mg/kg	0.077	1		08/12/17 05:21	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1		08/12/17 05:21	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	1		08/12/17 05:21	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/12/17 05:21	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0077	1		08/12/17 05:21	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0077	1		08/12/17 05:21	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/12/17 05:21	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1		08/12/17 05:21	1634-04-4	
Naphthalene	ND	mg/kg	0.0038	1		08/12/17 05:21	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	103-65-1	
Styrene	ND	mg/kg	0.0038	1		08/12/17 05:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	1		08/12/17 05:21	127-18-4	
Toluene	ND	mg/kg	0.0038	1		08/12/17 05:21	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1		08/12/17 05:21	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	1		08/12/17 05:21	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	1		08/12/17 05:21	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1		08/12/17 05:21	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1		08/12/17 05:21	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-27 (016018)**      **Lab ID: 50177414014**      Collected: 08/09/17 10:08      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.077	1		08/12/17 05:21	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	1		08/12/17 05:21	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	1		08/12/17 05:21	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	125	%	69-136	1		08/12/17 05:21	1868-53-7	
Toluene-d8 (S)	144	%	64-150	1		08/12/17 05:21	2037-26-5	
4-Bromofluorobenzene (S)	72	%	51-142	1		08/12/17 05:21	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.8</b>	%	0.10	1		08/15/17 10:14		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-28 (002004)**    **Lab ID: 50177414015**    Collected: 08/09/17 11:01    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3050						
Arsenic	4.4	mg/kg	1.3	1	08/18/17 07:08	08/21/17 10:36	7440-38-2	
Barium	140	mg/kg	1.3	1	08/18/17 07:08	08/21/17 10:36	7440-39-3	
Cadmium	ND	mg/kg	0.63	1	08/18/17 07:08	08/21/17 10:36	7440-43-9	
Chromium	22.5	mg/kg	1.3	1	08/18/17 07:08	08/21/17 10:36	7440-47-3	
Lead	15.8	mg/kg	1.3	1	08/18/17 07:08	08/21/17 10:36	7439-92-1	
Selenium	ND	mg/kg	1.3	1	08/18/17 07:08	08/21/17 10:36	7782-49-2	
Silver	ND	mg/kg	0.63	1	08/18/17 07:08	08/21/17 10:36	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471    Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.25	1	08/17/17 00:30	08/17/17 12:43	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	83-32-9	
Acenaphthylene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	208-96-8	
Anthracene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	207-08-9	
Chrysene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	53-70-3	
Fluoranthene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	206-44-0	
Fluorene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	91-57-6	
Naphthalene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	91-20-3	
Phenanthrene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	85-01-8	
Pyrene	ND	mg/kg	0.0063	1	08/11/17 10:51	08/14/17 14:18	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	60	%.	30-94	1	08/11/17 10:51	08/14/17 14:18	321-60-8	
p-Terphenyl-d14 (S)	70	%.	27-102	1	08/11/17 10:51	08/14/17 14:18	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.094	1		08/12/17 05:54	67-64-1	
Acrolein	ND	mg/kg	0.094	1		08/12/17 05:54	107-02-8	
Acrylonitrile	ND	mg/kg	0.094	1		08/12/17 05:54	107-13-1	
Benzene	ND	mg/kg	0.0047	1		08/12/17 05:54	71-43-2	
Bromobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	108-86-1	
Bromochloromethane	ND	mg/kg	0.0047	1		08/12/17 05:54	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0047	1		08/12/17 05:54	75-27-4	
Bromoform	ND	mg/kg	0.0047	1		08/12/17 05:54	75-25-2	
Bromomethane	ND	mg/kg	0.0047	1		08/12/17 05:54	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/12/17 05:54	78-93-3	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-28 (002004)**    **Lab ID: 50177414015**    Collected: 08/09/17 11:01    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	98-06-6	
Carbon disulfide	<b>0.011</b>	mg/kg	0.0094	1		08/12/17 05:54	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	1		08/12/17 05:54	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	108-90-7	
Chloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	75-00-3	
Chloroform	ND	mg/kg	0.0047	1		08/12/17 05:54	67-66-3	
Chloromethane	ND	mg/kg	0.0047	1		08/12/17 05:54	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0047	1		08/12/17 05:54	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0047	1		08/12/17 05:54	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0047	1		08/12/17 05:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0047	1		08/12/17 05:54	106-93-4	
Dibromomethane	ND	mg/kg	0.0047	1		08/12/17 05:54	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.094	1		08/12/17 05:54	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0047	1		08/12/17 05:54	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	1		08/12/17 05:54	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	1		08/12/17 05:54	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	1		08/12/17 05:54	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	1		08/12/17 05:54	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0047	1		08/12/17 05:54	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0047	1		08/12/17 05:54	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0047	1		08/12/17 05:54	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	1		08/12/17 05:54	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	1		08/12/17 05:54	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.094	1		08/12/17 05:54	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0047	1		08/12/17 05:54	87-68-3	
n-Hexane	ND	mg/kg	0.0047	1		08/12/17 05:54	110-54-3	
2-Hexanone	ND	mg/kg	0.094	1		08/12/17 05:54	591-78-6	
Iodomethane	ND	mg/kg	0.094	1		08/12/17 05:54	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0047	1		08/12/17 05:54	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0047	1		08/12/17 05:54	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/12/17 05:54	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0094	1		08/12/17 05:54	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0094	1		08/12/17 05:54	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/12/17 05:54	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	1		08/12/17 05:54	1634-04-4	
Naphthalene	ND	mg/kg	0.0047	1		08/12/17 05:54	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	103-65-1	
Styrene	ND	mg/kg	0.0047	1		08/12/17 05:54	100-42-5	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-28 (002004)**      **Lab ID: 50177414015**      Collected: 08/09/17 11:01      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	1		08/12/17 05:54	127-18-4	
Toluene	ND	mg/kg	0.0047	1		08/12/17 05:54	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	1		08/12/17 05:54	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	1		08/12/17 05:54	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	1		08/12/17 05:54	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0047	1		08/12/17 05:54	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0047	1		08/12/17 05:54	108-67-8	
Vinyl acetate	ND	mg/kg	0.094	1		08/12/17 05:54	108-05-4	
Vinyl chloride	ND	mg/kg	0.0047	1		08/12/17 05:54	75-01-4	
Xylene (Total)	ND	mg/kg	0.0094	1		08/12/17 05:54	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	107	%	69-136	1		08/12/17 05:54	1868-53-7	
Toluene-d8 (S)	101	%	64-150	1		08/12/17 05:54	2037-26-5	
4-Bromofluorobenzene (S)	101	%	51-142	1		08/12/17 05:54	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>21.9</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-28 (016018) Lab ID: 50177414016 Collected: 08/09/17 11:12 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 14:34	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	67	%	30-94	1	08/11/17 10:51	08/14/17 14:34	321-60-8	
p-Terphenyl-d14 (S)	76	%	27-102	1	08/11/17 10:51	08/14/17 14:34	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.081	1		08/12/17 06:28	67-64-1	
Acrolein	ND	mg/kg	0.081	1		08/12/17 06:28	107-02-8	
Acrylonitrile	ND	mg/kg	0.081	1		08/12/17 06:28	107-13-1	
Benzene	ND	mg/kg	0.0040	1		08/12/17 06:28	71-43-2	R1
Bromobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1		08/12/17 06:28	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1		08/12/17 06:28	75-27-4	
Bromoform	ND	mg/kg	0.0040	1		08/12/17 06:28	75-25-2	
Bromomethane	ND	mg/kg	0.0040	1		08/12/17 06:28	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/12/17 06:28	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	98-06-6	
Carbon disulfide	ND	mg/kg	0.0081	1		08/12/17 06:28	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1		08/12/17 06:28	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	108-90-7	R1
Chloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	75-00-3	
Chloroform	ND	mg/kg	0.0040	1		08/12/17 06:28	67-66-3	R1
Chloromethane	ND	mg/kg	0.0040	1		08/12/17 06:28	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 06:28	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 06:28	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	1		08/12/17 06:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1		08/12/17 06:28	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-28 (016018) Lab ID: 50177414016 Collected: 08/09/17 11:12 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0040	1		08/12/17 06:28	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.081	1		08/12/17 06:28	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	1		08/12/17 06:28	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 06:28	75-35-4	R1
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 06:28	156-59-2	R1
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 06:28	156-60-5	R1
1,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 06:28	78-87-5	R1
1,3-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 06:28	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 06:28	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 06:28	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 06:28	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 06:28	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	100-41-4	R1
Ethyl methacrylate	ND	mg/kg	0.081	1		08/12/17 06:28	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0040	1		08/12/17 06:28	87-68-3	
n-Hexane	ND	mg/kg	0.0040	1		08/12/17 06:28	110-54-3	
2-Hexanone	ND	mg/kg	0.081	1		08/12/17 06:28	591-78-6	
Iodomethane	ND	mg/kg	0.081	1		08/12/17 06:28	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1		08/12/17 06:28	98-82-8	R1
p-Isopropyltoluene	ND	mg/kg	0.0040	1		08/12/17 06:28	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/12/17 06:28	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0081	1		08/12/17 06:28	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0081	1		08/12/17 06:28	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/12/17 06:28	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1		08/12/17 06:28	1634-04-4	R1
Naphthalene	ND	mg/kg	0.0040	1		08/12/17 06:28	91-20-3	R1
n-Propylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	103-65-1	
Styrene	ND	mg/kg	0.0040	1		08/12/17 06:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	79-34-5	M1,R1
Tetrachloroethene	ND	mg/kg	0.0040	1		08/12/17 06:28	127-18-4	R1
Toluene	ND	mg/kg	0.0040	1		08/12/17 06:28	108-88-3	R1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	71-55-6	R1
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 06:28	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	1		08/12/17 06:28	79-01-6	R1
Trichlorofluoromethane	ND	mg/kg	0.0040	1		08/12/17 06:28	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1		08/12/17 06:28	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	95-63-6	M1,R1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 06:28	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-28 (016018)**      **Lab ID: 50177414016**      Collected: 08/09/17 11:12      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.081	1		08/12/17 06:28	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	1		08/12/17 06:28	75-01-4	R1
Xylene (Total)	ND	mg/kg	0.0081	1		08/12/17 06:28	1330-20-7	RS
<b>Surrogates</b>								
Dibromofluoromethane (S)	124	%	69-136	1		08/12/17 06:28	1868-53-7	
Toluene-d8 (S)	139	%	64-150	1		08/12/17 06:28	2037-26-5	
4-Bromofluorobenzene (S)	67	%	51-142	1		08/12/17 06:28	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.9</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-29 (002004) Lab ID: 50177414017 Collected: 08/09/17 11:30 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.0	mg/kg	0.98	1	08/18/17 07:08	08/21/17 10:43	7440-38-2	
Barium	189	mg/kg	0.98	1	08/18/17 07:08	08/21/17 10:43	7440-39-3	
Cadmium	0.67	mg/kg	0.49	1	08/18/17 07:08	08/21/17 10:43	7440-43-9	
Chromium	14.0	mg/kg	0.98	1	08/18/17 07:08	08/21/17 10:43	7440-47-3	
Lead	70.3	mg/kg	0.98	1	08/18/17 07:08	08/21/17 10:43	7439-92-1	
Selenium	ND	mg/kg	0.98	1	08/18/17 07:08	08/21/17 10:43	7782-49-2	
Silver	ND	mg/kg	0.49	1	08/18/17 07:08	08/21/17 10:43	7440-22-4	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.75	mg/kg	0.23	1	08/17/17 00:30	08/17/17 12:46	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	83-32-9	
Acenaphthylene	0.035	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	208-96-8	
Anthracene	0.081	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	120-12-7	
Benzo(a)anthracene	0.23	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	56-55-3	
Benzo(a)pyrene	0.14	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	50-32-8	
Benzo(b)fluoranthene	0.13	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	205-99-2	
Benzo(g,h,i)perylene	0.080	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	191-24-2	
Benzo(k)fluoranthene	0.14	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	207-08-9	
Chrysene	0.27	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	218-01-9	
Dibenz(a,h)anthracene	0.046	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	53-70-3	
Fluoranthene	0.37	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	206-44-0	
Fluorene	ND	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.073	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	193-39-5	
1-Methylnaphthalene	0.032	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	90-12-0	N2
2-Methylnaphthalene	0.037	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	91-57-6	
Naphthalene	0.047	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	91-20-3	ED
Phenanthrene	0.31	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	85-01-8	
Pyrene	0.32	mg/kg	0.028	5	08/11/17 10:51	08/14/17 15:24	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	65	%	30-94	5	08/11/17 10:51	08/14/17 15:24	321-60-8	
p-Terphenyl-d14 (S)	74	%	27-102	5	08/11/17 10:51	08/14/17 15:24	1718-51-0	
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260								
Acetone	0.16	mg/kg	0.099	1		08/16/17 22:46	67-64-1	2d
Acrolein	ND	mg/kg	0.099	1		08/16/17 22:46	107-02-8	
Acrylonitrile	ND	mg/kg	0.099	1		08/16/17 22:46	107-13-1	
Benzene	ND	mg/kg	0.0049	1		08/16/17 22:46	71-43-2	
Bromobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	1		08/16/17 22:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	1		08/16/17 22:46	75-27-4	
Bromoform	ND	mg/kg	0.0049	1		08/16/17 22:46	75-25-2	
Bromomethane	ND	mg/kg	0.0049	1		08/16/17 22:46	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	1		08/16/17 22:46	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-29 (002004) Lab ID: 50177414017 Collected: 08/09/17 11:30 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	98-06-6	
Carbon disulfide	ND	mg/kg	0.0099	1		08/16/17 22:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	1		08/16/17 22:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	108-90-7	
Chloroethane	ND	mg/kg	0.0049	1		08/16/17 22:46	75-00-3	
Chloroform	ND	mg/kg	0.0049	1		08/16/17 22:46	67-66-3	
Chloromethane	ND	mg/kg	0.0049	1		08/16/17 22:46	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0049	1		08/16/17 22:46	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0049	1		08/16/17 22:46	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0049	1		08/16/17 22:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0049	1		08/16/17 22:46	106-93-4	
Dibromomethane	ND	mg/kg	0.0049	1		08/16/17 22:46	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.099	1		08/16/17 22:46	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0049	1		08/16/17 22:46	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0049	1		08/16/17 22:46	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	1		08/16/17 22:46	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	1		08/16/17 22:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	1		08/16/17 22:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	1		08/16/17 22:46	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	1		08/16/17 22:46	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0049	1		08/16/17 22:46	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0049	1		08/16/17 22:46	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0049	1		08/16/17 22:46	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	1		08/16/17 22:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	1		08/16/17 22:46	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.099	1		08/16/17 22:46	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0049	1		08/16/17 22:46	87-68-3	
n-Hexane	ND	mg/kg	0.0049	1		08/16/17 22:46	110-54-3	
2-Hexanone	ND	mg/kg	0.099	1		08/16/17 22:46	591-78-6	
Iodomethane	ND	mg/kg	0.099	1		08/16/17 22:46	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	1		08/16/17 22:46	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0049	1		08/16/17 22:46	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	1		08/16/17 22:46	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0099	1		08/16/17 22:46	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0099	1		08/16/17 22:46	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	1		08/16/17 22:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	1		08/16/17 22:46	1634-04-4	
Naphthalene	<b>0.0085</b>	mg/kg	0.0049	1		08/16/17 22:46	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	103-65-1	
Styrene	ND	mg/kg	0.0049	1		08/16/17 22:46	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-29 (002004)**    **Lab ID: 50177414017**    Collected: 08/09/17 11:30    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	1		08/16/17 22:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	1		08/16/17 22:46	79-34-5	
Tetrachloroethene	<b>0.017</b>	mg/kg	0.0049	1		08/16/17 22:46	127-18-4	
Toluene	ND	mg/kg	0.0049	1		08/16/17 22:46	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	120-82-1	
1,1,1-Trichloroethane	<b>0.0061</b>	mg/kg	0.0049	1		08/16/17 22:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	1		08/16/17 22:46	79-00-5	
Trichloroethene	<b>0.042</b>	mg/kg	0.0049	1		08/16/17 22:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	1		08/16/17 22:46	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0049	1		08/16/17 22:46	96-18-4	
1,2,4-Trimethylbenzene	<b>0.0066</b>	mg/kg	0.0049	1		08/16/17 22:46	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0049	1		08/16/17 22:46	108-67-8	
Vinyl acetate	ND	mg/kg	0.099	1		08/16/17 22:46	108-05-4	
Vinyl chloride	ND	mg/kg	0.0049	1		08/16/17 22:46	75-01-4	
Xylene (Total)	<b>0.015</b>	mg/kg	0.0099	1		08/16/17 22:46	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	73	%	69-136	1		08/16/17 22:46	1868-53-7	
Toluene-d8 (S)	112	%	64-150	1		08/16/17 22:46	2037-26-5	
4-Bromofluorobenzene (S)	91	%	51-142	1		08/16/17 22:46	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>9.4</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-29 (014016) Lab ID: 50177414018 Collected: 08/09/17 11:37 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 15:40	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	60	%	30-94	1	08/11/17 10:51	08/14/17 15:40	321-60-8	
p-Terphenyl-d14 (S)	63	%	27-102	1	08/11/17 10:51	08/14/17 15:40	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.081	1		08/12/17 08:41	67-64-1	
Acrolein	ND	mg/kg	0.081	1		08/12/17 08:41	107-02-8	
Acrylonitrile	ND	mg/kg	0.081	1		08/12/17 08:41	107-13-1	
Benzene	ND	mg/kg	0.0040	1		08/12/17 08:41	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1		08/12/17 08:41	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1		08/12/17 08:41	75-27-4	
Bromoform	ND	mg/kg	0.0040	1		08/12/17 08:41	75-25-2	
Bromomethane	ND	mg/kg	0.0040	1		08/12/17 08:41	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/12/17 08:41	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	98-06-6	
Carbon disulfide	ND	mg/kg	0.0081	1		08/12/17 08:41	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1		08/12/17 08:41	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	108-90-7	
Chloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	75-00-3	
Chloroform	ND	mg/kg	0.0040	1		08/12/17 08:41	67-66-3	
Chloromethane	ND	mg/kg	0.0040	1		08/12/17 08:41	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 08:41	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 08:41	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	1		08/12/17 08:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1		08/12/17 08:41	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-29 (014016) Lab ID: 50177414018 Collected: 08/09/17 11:37 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0040	1		08/12/17 08:41	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.081	1		08/12/17 08:41	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	1		08/12/17 08:41	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 08:41	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 08:41	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 08:41	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 08:41	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 08:41	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 08:41	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 08:41	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 08:41	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 08:41	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.081	1		08/12/17 08:41	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0040	1		08/12/17 08:41	87-68-3	
n-Hexane	ND	mg/kg	0.0040	1		08/12/17 08:41	110-54-3	
2-Hexanone	ND	mg/kg	0.081	1		08/12/17 08:41	591-78-6	
Iodomethane	ND	mg/kg	0.081	1		08/12/17 08:41	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1		08/12/17 08:41	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	1		08/12/17 08:41	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/12/17 08:41	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0081	1		08/12/17 08:41	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0081	1		08/12/17 08:41	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/12/17 08:41	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1		08/12/17 08:41	1634-04-4	
Naphthalene	ND	mg/kg	0.0040	1		08/12/17 08:41	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	103-65-1	
Styrene	ND	mg/kg	0.0040	1		08/12/17 08:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	1		08/12/17 08:41	127-18-4	
Toluene	ND	mg/kg	0.0040	1		08/12/17 08:41	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 08:41	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	1		08/12/17 08:41	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	1		08/12/17 08:41	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1		08/12/17 08:41	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 08:41	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-29 (014016)**      **Lab ID: 50177414018**      Collected: 08/09/17 11:37      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.081	1		08/12/17 08:41	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	1		08/12/17 08:41	75-01-4	
Xylene (Total)	ND	mg/kg	0.0081	1		08/12/17 08:41	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	121	%.	69-136	1		08/12/17 08:41	1868-53-7	
Toluene-d8 (S)	137	%.	64-150	1		08/12/17 08:41	2037-26-5	
4-Bromofluorobenzene (S)	71	%.	51-142	1		08/12/17 08:41	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>9.3</b>	%	0.10	1		08/15/17 10:46		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-31 (002004) Lab ID: 50177414019 Collected: 08/09/17 13:05 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	8.1	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:27	7440-38-2	
Barium	246	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:27	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	08/16/17 07:40	08/16/17 23:27	7440-43-9	
Chromium	12.6	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:27	7440-47-3	
Lead	63.8	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:27	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:27	7782-49-2	
Silver	ND	mg/kg	0.55	1	08/16/17 07:40	08/16/17 23:27	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	1.1	mg/kg	0.24	1	08/17/17 00:30	08/17/17 12:48	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	83-32-9	
Acenaphthylene	ND	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	208-96-8	
Anthracene	0.085	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	120-12-7	
Benzo(a)anthracene	0.25	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	56-55-3	
Benzo(a)pyrene	0.12	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	50-32-8	
Benzo(b)fluoranthene	0.15	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	205-99-2	
Benzo(g,h,i)perylene	0.067	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	191-24-2	
Benzo(k)fluoranthene	0.12	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	207-08-9	
Chrysene	0.28	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	218-01-9	
Dibenz(a,h)anthracene	0.046	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	53-70-3	
Fluoranthene	0.48	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	206-44-0	
Fluorene	ND	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	86-73-7	
Indeno(1,2,3-cd)pyrene	0.067	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	90-12-0	N2
2-Methylnaphthalene	0.031	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	91-57-6	
Naphthalene	0.066	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	91-20-3	ED
Phenanthrene	0.46	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	85-01-8	
Pyrene	0.41	mg/kg	0.029	5	08/11/17 10:51	08/14/17 15:57	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	75	%.	30-94	5	08/11/17 10:51	08/14/17 15:57	321-60-8	
p-Terphenyl-d14 (S)	81	%.	27-102	5	08/11/17 10:51	08/14/17 15:57	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	0.42	mg/kg	0.091	1		08/16/17 23:20	67-64-1	2d
Acrolein	ND	mg/kg	0.091	1		08/16/17 23:20	107-02-8	
Acrylonitrile	ND	mg/kg	0.091	1		08/16/17 23:20	107-13-1	
Benzene	ND	mg/kg	0.0046	1		08/16/17 23:20	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	1		08/16/17 23:20	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	1		08/16/17 23:20	75-27-4	
Bromoform	ND	mg/kg	0.0046	1		08/16/17 23:20	75-25-2	
Bromomethane	ND	mg/kg	0.0046	1		08/16/17 23:20	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/16/17 23:20	78-93-3	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-31 (002004) Lab ID: 50177414019 Collected: 08/09/17 13:05 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	98-06-6	
Carbon disulfide	ND	mg/kg	0.0091	1		08/16/17 23:20	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	1		08/16/17 23:20	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	108-90-7	
Chloroethane	ND	mg/kg	0.0046	1		08/16/17 23:20	75-00-3	
Chloroform	ND	mg/kg	0.0046	1		08/16/17 23:20	67-66-3	
Chloromethane	ND	mg/kg	0.0046	1		08/16/17 23:20	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	1		08/16/17 23:20	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	1		08/16/17 23:20	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	1		08/16/17 23:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0046	1		08/16/17 23:20	106-93-4	
Dibromomethane	ND	mg/kg	0.0046	1		08/16/17 23:20	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.091	1		08/16/17 23:20	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	1		08/16/17 23:20	75-71-8	
1,1-Dichloroethane	<b>0.013</b>	mg/kg	0.0046	1		08/16/17 23:20	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	1		08/16/17 23:20	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	1		08/16/17 23:20	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	1		08/16/17 23:20	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	1		08/16/17 23:20	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	1		08/16/17 23:20	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	1		08/16/17 23:20	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	1		08/16/17 23:20	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	1		08/16/17 23:20	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	1		08/16/17 23:20	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	1		08/16/17 23:20	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.091	1		08/16/17 23:20	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0046	1		08/16/17 23:20	87-68-3	
n-Hexane	ND	mg/kg	0.0046	1		08/16/17 23:20	110-54-3	
2-Hexanone	ND	mg/kg	0.091	1		08/16/17 23:20	591-78-6	
Iodomethane	ND	mg/kg	0.091	1		08/16/17 23:20	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	1		08/16/17 23:20	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	1		08/16/17 23:20	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	1		08/16/17 23:20	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0091	1		08/16/17 23:20	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0091	1		08/16/17 23:20	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/16/17 23:20	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	1		08/16/17 23:20	1634-04-4	
Naphthalene	<b>0.0094</b>	mg/kg	0.0046	1		08/16/17 23:20	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	103-65-1	
Styrene	ND	mg/kg	0.0046	1		08/16/17 23:20	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-31 (002004)**    **Lab ID: 50177414019**    Collected: 08/09/17 13:05    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	1		08/16/17 23:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	1		08/16/17 23:20	79-34-5	
Tetrachloroethene	<b>0.0056</b>	mg/kg	0.0046	1		08/16/17 23:20	127-18-4	
Toluene	ND	mg/kg	0.0046	1		08/16/17 23:20	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	120-82-1	
1,1,1-Trichloroethane	<b>0.025</b>	mg/kg	0.0046	1		08/16/17 23:20	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	1		08/16/17 23:20	79-00-5	
Trichloroethene	<b>0.027</b>	mg/kg	0.0046	1		08/16/17 23:20	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	1		08/16/17 23:20	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0046	1		08/16/17 23:20	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	1		08/16/17 23:20	108-67-8	
Vinyl acetate	ND	mg/kg	0.091	1		08/16/17 23:20	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	1		08/16/17 23:20	75-01-4	
Xylene (Total)	<b>0.022</b>	mg/kg	0.0091	1		08/16/17 23:20	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	75	%	69-136	1		08/16/17 23:20	1868-53-7	
Toluene-d8 (S)	110	%	64-150	1		08/16/17 23:20	2037-26-5	
4-Bromofluorobenzene (S)	93	%	51-142	1		08/16/17 23:20	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>14.2</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-31 (014016)**      **Lab ID: 50177414020**      Collected: 08/09/17 13:11      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 16:13	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	71	%	30-94	1	08/11/17 10:51	08/14/17 16:13	321-60-8	
p-Terphenyl-d14 (S)	76	%	27-102	1	08/11/17 10:51	08/14/17 16:13	1718-51-0	

**8260 MSV 5035A VOA**      Analytical Method: EPA 8260

Acetone	<b>0.28</b>	mg/kg	0.093	1		08/12/17 09:48	67-64-1	1d
Acrolein	ND	mg/kg	0.093	1		08/12/17 09:48	107-02-8	
Acrylonitrile	ND	mg/kg	0.093	1		08/12/17 09:48	107-13-1	
Benzene	ND	mg/kg	0.0046	1		08/12/17 09:48	71-43-2	
Bromobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	1		08/12/17 09:48	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	1		08/12/17 09:48	75-27-4	
Bromoform	ND	mg/kg	0.0046	1		08/12/17 09:48	75-25-2	
Bromomethane	ND	mg/kg	0.0046	1		08/12/17 09:48	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/12/17 09:48	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	98-06-6	
Carbon disulfide	ND	mg/kg	0.0093	1		08/12/17 09:48	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	1		08/12/17 09:48	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	108-90-7	
Chloroethane	ND	mg/kg	0.0046	1		08/12/17 09:48	75-00-3	
Chloroform	ND	mg/kg	0.0046	1		08/12/17 09:48	67-66-3	
Chloromethane	ND	mg/kg	0.0046	1		08/12/17 09:48	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0046	1		08/12/17 09:48	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0046	1		08/12/17 09:48	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0046	1		08/12/17 09:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0046	1		08/12/17 09:48	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-31 (014016) Lab ID: 50177414020 Collected: 08/09/17 13:11 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0046	1		08/12/17 09:48	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.093	1		08/12/17 09:48	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0046	1		08/12/17 09:48	75-71-8	
1,1-Dichloroethane	<b>0.023</b>	mg/kg	0.0046	1		08/12/17 09:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	1		08/12/17 09:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	1		08/12/17 09:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	1		08/12/17 09:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	1		08/12/17 09:48	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	1		08/12/17 09:48	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0046	1		08/12/17 09:48	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0046	1		08/12/17 09:48	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0046	1		08/12/17 09:48	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	1		08/12/17 09:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	1		08/12/17 09:48	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.093	1		08/12/17 09:48	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0046	1		08/12/17 09:48	87-68-3	
n-Hexane	ND	mg/kg	0.0046	1		08/12/17 09:48	110-54-3	
2-Hexanone	ND	mg/kg	0.093	1		08/12/17 09:48	591-78-6	
Iodomethane	ND	mg/kg	0.093	1		08/12/17 09:48	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	1		08/12/17 09:48	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0046	1		08/12/17 09:48	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/12/17 09:48	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0093	1		08/12/17 09:48	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0093	1		08/12/17 09:48	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/12/17 09:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	1		08/12/17 09:48	1634-04-4	
Naphthalene	ND	mg/kg	0.0046	1		08/12/17 09:48	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	103-65-1	
Styrene	ND	mg/kg	0.0046	1		08/12/17 09:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	1		08/12/17 09:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	1		08/12/17 09:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	1		08/12/17 09:48	127-18-4	
Toluene	ND	mg/kg	0.0046	1		08/12/17 09:48	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	120-82-1	
1,1,1-Trichloroethane	<b>0.024</b>	mg/kg	0.0046	1		08/12/17 09:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	1		08/12/17 09:48	79-00-5	
Trichloroethene	<b>0.024</b>	mg/kg	0.0046	1		08/12/17 09:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	1		08/12/17 09:48	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0046	1		08/12/17 09:48	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	1		08/12/17 09:48	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-31 (014016)**      **Lab ID: 50177414020**      Collected: 08/09/17 13:11      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.093	1		08/12/17 09:48	108-05-4	
Vinyl chloride	ND	mg/kg	0.0046	1		08/12/17 09:48	75-01-4	
Xylene (Total)	ND	mg/kg	0.0093	1		08/12/17 09:48	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	86	%	69-136	1		08/12/17 09:48	1868-53-7	
Toluene-d8 (S)	114	%	64-150	1		08/12/17 09:48	2037-26-5	
4-Bromofluorobenzene (S)	91	%	51-142	1		08/12/17 09:48	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.4</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-32 (002004) Lab ID: 50177414021 Collected: 08/09/17 14:08 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	7.0	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:29	7440-38-2	
Barium	99.9	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:29	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	08/16/17 07:40	08/16/17 23:29	7440-43-9	
Chromium	13.7	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:29	7440-47-3	
Lead	25.8	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:29	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:29	7782-49-2	
Silver	1.1	mg/kg	0.55	1	08/16/17 07:40	08/16/17 23:29	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.24	1	08/17/17 00:30	08/17/17 12:51	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	83-32-9	
Acenaphthylene	0.014	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	208-96-8	
Anthracene	0.027	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	120-12-7	
Benzo(a)anthracene	0.076	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	56-55-3	
Benzo(a)pyrene	0.043	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	50-32-8	
Benzo(b)fluoranthene	0.043	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	205-99-2	
Benzo(g,h,i)perylene	0.024	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	191-24-2	
Benzo(k)fluoranthene	0.042	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	207-08-9	
Chrysene	0.074	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	218-01-9	
Dibenz(a,h)anthracene	0.017	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	53-70-3	
Fluoranthene	0.12	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	206-44-0	
Fluorene	0.0060	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	86-73-7	
Indeno(1,2,3-cd)pyrene	0.025	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	193-39-5	
1-Methylnaphthalene	0.0058	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	90-12-0	N2
2-Methylnaphthalene	0.0072	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	91-57-6	
Naphthalene	0.013	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	91-20-3	
Phenanthrene	0.081	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	85-01-8	
Pyrene	0.099	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 17:03	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	68	%.	30-94	1	08/11/17 10:51	08/14/17 17:03	321-60-8	
p-Terphenyl-d14 (S)	71	%.	27-102	1	08/11/17 10:51	08/14/17 17:03	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.16	1		08/12/17 10:22	67-64-1	
Acrolein	ND	mg/kg	0.16	1		08/12/17 10:22	107-02-8	
Acrylonitrile	ND	mg/kg	0.16	1		08/12/17 10:22	107-13-1	
Benzene	ND	mg/kg	0.0079	1		08/12/17 10:22	71-43-2	
Bromobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	108-86-1	
Bromochloromethane	ND	mg/kg	0.0079	1		08/12/17 10:22	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0079	1		08/12/17 10:22	75-27-4	
Bromoform	ND	mg/kg	0.0079	1		08/12/17 10:22	75-25-2	
Bromomethane	ND	mg/kg	0.0079	1		08/12/17 10:22	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.039	1		08/12/17 10:22	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-32 (002004) Lab ID: 50177414021 Collected: 08/09/17 14:08 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	98-06-6	
Carbon disulfide	ND	mg/kg	0.016	1		08/12/17 10:22	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0079	1		08/12/17 10:22	56-23-5	
Chlorobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	108-90-7	
Chloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	75-00-3	
Chloroform	ND	mg/kg	0.0079	1		08/12/17 10:22	67-66-3	
Chloromethane	ND	mg/kg	0.0079	1		08/12/17 10:22	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0079	1		08/12/17 10:22	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0079	1		08/12/17 10:22	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0079	1		08/12/17 10:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0079	1		08/12/17 10:22	106-93-4	
Dibromomethane	ND	mg/kg	0.0079	1		08/12/17 10:22	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.16	1		08/12/17 10:22	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0079	1		08/12/17 10:22	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0079	1		08/12/17 10:22	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0079	1		08/12/17 10:22	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0079	1		08/12/17 10:22	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0079	1		08/12/17 10:22	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0079	1		08/12/17 10:22	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0079	1		08/12/17 10:22	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0079	1		08/12/17 10:22	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0079	1		08/12/17 10:22	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0079	1		08/12/17 10:22	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.16	1		08/12/17 10:22	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0079	1		08/12/17 10:22	87-68-3	
n-Hexane	ND	mg/kg	0.0079	1		08/12/17 10:22	110-54-3	
2-Hexanone	ND	mg/kg	0.16	1		08/12/17 10:22	591-78-6	
Iodomethane	ND	mg/kg	0.16	1		08/12/17 10:22	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0079	1		08/12/17 10:22	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0079	1		08/12/17 10:22	99-87-6	
Methylene Chloride	ND	mg/kg	0.031	1		08/12/17 10:22	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.016	1		08/12/17 10:22	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.016	1		08/12/17 10:22	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.039	1		08/12/17 10:22	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0079	1		08/12/17 10:22	1634-04-4	
Naphthalene	ND	mg/kg	0.0079	1		08/12/17 10:22	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	103-65-1	
Styrene	ND	mg/kg	0.0079	1		08/12/17 10:22	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-32 (002004)**    **Lab ID: 50177414021**    Collected: 08/09/17 14:08    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0079	1		08/12/17 10:22	127-18-4	
Toluene	ND	mg/kg	0.0079	1		08/12/17 10:22	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0079	1		08/12/17 10:22	79-00-5	
Trichloroethene	ND	mg/kg	0.0079	1		08/12/17 10:22	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0079	1		08/12/17 10:22	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0079	1		08/12/17 10:22	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0079	1		08/12/17 10:22	108-67-8	
Vinyl acetate	ND	mg/kg	0.16	1		08/12/17 10:22	108-05-4	
Vinyl chloride	ND	mg/kg	0.0079	1		08/12/17 10:22	75-01-4	
Xylene (Total)	ND	mg/kg	0.016	1		08/12/17 10:22	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	116	%	69-136	1		08/12/17 10:22	1868-53-7	
Toluene-d8 (S)	125	%	64-150	1		08/12/17 10:22	2037-26-5	
4-Bromofluorobenzene (S)	75	%	51-142	1		08/12/17 10:22	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>12.1</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-32 (010012) Lab ID: 50177414022 Collected: 08/09/17 14:17 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/11/17 10:51	08/14/17 17:19	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	70	%.	30-94	1	08/11/17 10:51	08/14/17 17:19	321-60-8	
p-Terphenyl-d14 (S)	75	%.	27-102	1	08/11/17 10:51	08/14/17 17:19	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.077	1		08/16/17 23:53	67-64-1	
Acrolein	ND	mg/kg	0.077	1		08/16/17 23:53	107-02-8	
Acrylonitrile	ND	mg/kg	0.077	1		08/16/17 23:53	107-13-1	
Benzene	ND	mg/kg	0.0039	1		08/16/17 23:53	71-43-2	
Bromobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	108-86-1	
Bromochloromethane	ND	mg/kg	0.0039	1		08/16/17 23:53	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0039	1		08/16/17 23:53	75-27-4	
Bromoform	ND	mg/kg	0.0039	1		08/16/17 23:53	75-25-2	
Bromomethane	ND	mg/kg	0.0039	1		08/16/17 23:53	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/16/17 23:53	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	1		08/16/17 23:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0039	1		08/16/17 23:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	108-90-7	
Chloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	75-00-3	
Chloroform	ND	mg/kg	0.0039	1		08/16/17 23:53	67-66-3	
Chloromethane	ND	mg/kg	0.0039	1		08/16/17 23:53	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0039	1		08/16/17 23:53	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0039	1		08/16/17 23:53	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0039	1		08/16/17 23:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0039	1		08/16/17 23:53	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-32 (010012)**      **Lab ID: 50177414022**      Collected: 08/09/17 14:17      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0039	1		08/16/17 23:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	1		08/16/17 23:53	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0039	1		08/16/17 23:53	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0039	1		08/16/17 23:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/16/17 23:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/16/17 23:53	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0039	1		08/16/17 23:53	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0039	1		08/16/17 23:53	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0039	1		08/16/17 23:53	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0039	1		08/16/17 23:53	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/16/17 23:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/16/17 23:53	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	1		08/16/17 23:53	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0039	1		08/16/17 23:53	87-68-3	
n-Hexane	ND	mg/kg	0.0039	1		08/16/17 23:53	110-54-3	
2-Hexanone	ND	mg/kg	0.077	1		08/16/17 23:53	591-78-6	
Iodomethane	ND	mg/kg	0.077	1		08/16/17 23:53	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0039	1		08/16/17 23:53	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0039	1		08/16/17 23:53	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/16/17 23:53	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0077	1		08/16/17 23:53	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0077	1		08/16/17 23:53	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/16/17 23:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0039	1		08/16/17 23:53	1634-04-4	
Naphthalene	ND	mg/kg	0.0039	1		08/16/17 23:53	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	103-65-1	
Styrene	ND	mg/kg	0.0039	1		08/16/17 23:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0039	1		08/16/17 23:53	127-18-4	
Toluene	ND	mg/kg	0.0039	1		08/16/17 23:53	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0039	1		08/16/17 23:53	79-00-5	
Trichloroethene	ND	mg/kg	0.0039	1		08/16/17 23:53	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0039	1		08/16/17 23:53	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0039	1		08/16/17 23:53	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	1		08/16/17 23:53	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-32 (010012)**    **Lab ID: 50177414022**    Collected: 08/09/17 14:17    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.077	1		08/16/17 23:53	108-05-4	
Vinyl chloride	ND	mg/kg	0.0039	1		08/16/17 23:53	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	1		08/16/17 23:53	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	117	%	69-136	1		08/16/17 23:53	1868-53-7	
Toluene-d8 (S)	129	%	64-150	1		08/16/17 23:53	2037-26-5	
4-Bromofluorobenzene (S)	81	%	51-142	1		08/16/17 23:53	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>9.5</b>	%	0.10	1		08/15/17 10:46		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-33 (002004) Lab ID: 50177414023 Collected: 08/09/17 15:37 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	10.3	mg/kg	1.2	1	08/16/17 07:40	08/16/17 23:31	7440-38-2	
Barium	93.7	mg/kg	1.2	1	08/16/17 07:40	08/16/17 23:31	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	08/16/17 07:40	08/16/17 23:31	7440-43-9	
Chromium	20.8	mg/kg	1.2	1	08/16/17 07:40	08/16/17 23:31	7440-47-3	
Lead	32.9	mg/kg	1.2	1	08/16/17 07:40	08/16/17 23:31	7439-92-1	
Selenium	ND	mg/kg	1.2	1	08/16/17 07:40	08/16/17 23:31	7782-49-2	
Silver	ND	mg/kg	0.58	1	08/16/17 07:40	08/16/17 23:31	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.24	1	08/17/17 00:30	08/17/17 12:53	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	83-32-9	
Acenaphthylene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	208-96-8	
Anthracene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	120-12-7	
Benzo(a)anthracene	0.018	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	56-55-3	
Benzo(a)pyrene	0.013	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	50-32-8	
Benzo(b)fluoranthene	0.013	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	205-99-2	
Benzo(g,h,i)perylene	0.0086	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	191-24-2	
Benzo(k)fluoranthene	0.012	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	207-08-9	
Chrysene	0.020	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	53-70-3	
Fluoranthene	0.038	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	206-44-0	
Fluorene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	86-73-7	
Indeno(1,2,3-cd)pyrene	0.0077	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	91-57-6	
Naphthalene	ND	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	91-20-3	
Phenanthrene	0.025	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	85-01-8	
Pyrene	0.033	mg/kg	0.0058	1	08/11/17 10:51	08/14/17 17:36	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	64	%	30-94	1	08/11/17 10:51	08/14/17 17:36	321-60-8	
p-Terphenyl-d14 (S)	70	%	27-102	1	08/11/17 10:51	08/14/17 17:36	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	0.15	mg/kg	0.093	1		08/12/17 11:29	67-64-1	1d
Acrolein	ND	mg/kg	0.093	1		08/12/17 11:29	107-02-8	
Acrylonitrile	ND	mg/kg	0.093	1		08/12/17 11:29	107-13-1	
Benzene	ND	mg/kg	0.0047	1		08/12/17 11:29	71-43-2	
Bromobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	108-86-1	
Bromochloromethane	ND	mg/kg	0.0047	1		08/12/17 11:29	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0047	1		08/12/17 11:29	75-27-4	
Bromoform	ND	mg/kg	0.0047	1		08/12/17 11:29	75-25-2	
Bromomethane	ND	mg/kg	0.0047	1		08/12/17 11:29	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/12/17 11:29	78-93-3	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-33 (002004) Lab ID: 50177414023 Collected: 08/09/17 15:37 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	98-06-6	
Carbon disulfide	ND	mg/kg	0.0093	1		08/12/17 11:29	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	1		08/12/17 11:29	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	108-90-7	
Chloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	75-00-3	
Chloroform	ND	mg/kg	0.0047	1		08/12/17 11:29	67-66-3	
Chloromethane	ND	mg/kg	0.0047	1		08/12/17 11:29	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0047	1		08/12/17 11:29	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0047	1		08/12/17 11:29	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0047	1		08/12/17 11:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0047	1		08/12/17 11:29	106-93-4	
Dibromomethane	ND	mg/kg	0.0047	1		08/12/17 11:29	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.093	1		08/12/17 11:29	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0047	1		08/12/17 11:29	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	1		08/12/17 11:29	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	1		08/12/17 11:29	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	1		08/12/17 11:29	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	1		08/12/17 11:29	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0047	1		08/12/17 11:29	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0047	1		08/12/17 11:29	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0047	1		08/12/17 11:29	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	1		08/12/17 11:29	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	1		08/12/17 11:29	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.093	1		08/12/17 11:29	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0047	1		08/12/17 11:29	87-68-3	
n-Hexane	ND	mg/kg	0.0047	1		08/12/17 11:29	110-54-3	
2-Hexanone	ND	mg/kg	0.093	1		08/12/17 11:29	591-78-6	
Iodomethane	ND	mg/kg	0.093	1		08/12/17 11:29	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0047	1		08/12/17 11:29	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0047	1		08/12/17 11:29	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/12/17 11:29	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0093	1		08/12/17 11:29	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0093	1		08/12/17 11:29	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/12/17 11:29	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	1		08/12/17 11:29	1634-04-4	
Naphthalene	<b>0.0059</b>	mg/kg	0.0047	1		08/12/17 11:29	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	103-65-1	
Styrene	ND	mg/kg	0.0047	1		08/12/17 11:29	100-42-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-33 (002004)**    **Lab ID: 50177414023**    Collected: 08/09/17 15:37    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	1		08/12/17 11:29	127-18-4	
Toluene	ND	mg/kg	0.0047	1		08/12/17 11:29	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	1		08/12/17 11:29	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	1		08/12/17 11:29	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	1		08/12/17 11:29	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0047	1		08/12/17 11:29	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0047	1		08/12/17 11:29	108-67-8	
Vinyl acetate	ND	mg/kg	0.093	1		08/12/17 11:29	108-05-4	
Vinyl chloride	ND	mg/kg	0.0047	1		08/12/17 11:29	75-01-4	
Xylene (Total)	ND	mg/kg	0.0093	1		08/12/17 11:29	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	72	%	69-136	1		08/12/17 11:29	1868-53-7	
Toluene-d8 (S)	106	%	64-150	1		08/12/17 11:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	51-142	1		08/12/17 11:29	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>15.3</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-33 (016018)**      **Lab ID: 50177414024**      Collected: 08/09/17 15:55      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 17:53	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	68	%.	30-94	1	08/11/17 10:51	08/14/17 17:53	321-60-8	
p-Terphenyl-d14 (S)	76	%.	27-102	1	08/11/17 10:51	08/14/17 17:53	1718-51-0	

**8260 MSV 5035A VOA**      Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.076	1		08/12/17 12:02	67-64-1	
Acrolein	ND	mg/kg	0.076	1		08/12/17 12:02	107-02-8	
Acrylonitrile	ND	mg/kg	0.076	1		08/12/17 12:02	107-13-1	
Benzene	ND	mg/kg	0.0038	1		08/12/17 12:02	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1		08/12/17 12:02	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1		08/12/17 12:02	75-27-4	
Bromoform	ND	mg/kg	0.0038	1		08/12/17 12:02	75-25-2	
Bromomethane	ND	mg/kg	0.0038	1		08/12/17 12:02	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/12/17 12:02	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	98-06-6	
Carbon disulfide	ND	mg/kg	0.0076	1		08/12/17 12:02	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1		08/12/17 12:02	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	108-90-7	
Chloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	75-00-3	
Chloroform	ND	mg/kg	0.0038	1		08/12/17 12:02	67-66-3	
Chloromethane	ND	mg/kg	0.0038	1		08/12/17 12:02	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1		08/12/17 12:02	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	1		08/12/17 12:02	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	1		08/12/17 12:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1		08/12/17 12:02	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-33 (016018) Lab ID: 50177414024 Collected: 08/09/17 15:55 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0038	1		08/12/17 12:02	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.076	1		08/12/17 12:02	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	1		08/12/17 12:02	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	1		08/12/17 12:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/12/17 12:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/12/17 12:02	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	1		08/12/17 12:02	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	1		08/12/17 12:02	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	1		08/12/17 12:02	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	1		08/12/17 12:02	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/12/17 12:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/12/17 12:02	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.076	1		08/12/17 12:02	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0038	1		08/12/17 12:02	87-68-3	
n-Hexane	ND	mg/kg	0.0038	1		08/12/17 12:02	110-54-3	
2-Hexanone	ND	mg/kg	0.076	1		08/12/17 12:02	591-78-6	
Iodomethane	ND	mg/kg	0.076	1		08/12/17 12:02	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1		08/12/17 12:02	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	1		08/12/17 12:02	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/12/17 12:02	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0076	1		08/12/17 12:02	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0076	1		08/12/17 12:02	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/12/17 12:02	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1		08/12/17 12:02	1634-04-4	
Naphthalene	ND	mg/kg	0.0038	1		08/12/17 12:02	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	103-65-1	
Styrene	ND	mg/kg	0.0038	1		08/12/17 12:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	1		08/12/17 12:02	127-18-4	
Toluene	ND	mg/kg	0.0038	1		08/12/17 12:02	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1		08/12/17 12:02	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	1		08/12/17 12:02	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	1		08/12/17 12:02	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1		08/12/17 12:02	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1		08/12/17 12:02	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-33 (016018)**      **Lab ID: 50177414024**      Collected: 08/09/17 15:55      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.076	1		08/12/17 12:02	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	1		08/12/17 12:02	75-01-4	
Xylene (Total)	ND	mg/kg	0.0076	1		08/12/17 12:02	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	110	%	69-136	1		08/12/17 12:02	1868-53-7	
Toluene-d8 (S)	114	%	64-150	1		08/12/17 12:02	2037-26-5	
4-Bromofluorobenzene (S)	86	%	51-142	1		08/12/17 12:02	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.1</b>	%	0.10	1		08/15/17 10:46		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-34 (002004) Lab ID: 50177414025 Collected: 08/09/17 14:33 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.1	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:33	7440-38-2	
Barium	119	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:33	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	08/16/17 07:40	08/16/17 23:33	7440-43-9	
Chromium	12.0	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:33	7440-47-3	
Lead	34.0	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:33	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 07:40	08/16/17 23:33	7782-49-2	
Silver	ND	mg/kg	0.53	1	08/16/17 07:40	08/16/17 23:33	7440-22-4	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	08/17/17 00:30	08/17/17 12:55	7439-97-6	
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	83-32-9	
Acenaphthylene	ND	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	208-96-8	
Anthracene	0.014	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	120-12-7	
Benzo(a)anthracene	0.036	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	56-55-3	
Benzo(a)pyrene	0.019	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	50-32-8	
Benzo(b)fluoranthene	0.023	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	205-99-2	
Benzo(g,h,i)perylene	0.012	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	191-24-2	
Benzo(k)fluoranthene	0.017	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	207-08-9	
Chrysene	0.043	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	218-01-9	
Dibenz(a,h)anthracene	0.0072	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	53-70-3	
Fluoranthene	0.076	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	206-44-0	
Fluorene	ND	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	86-73-7	
Indeno(1,2,3-cd)pyrene	0.010	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	193-39-5	
1-Methylnaphthalene	0.0068	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	90-12-0	N2
2-Methylnaphthalene	0.0081	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	91-57-6	
Naphthalene	0.026	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	91-20-3	
Phenanthrene	0.076	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	85-01-8	
Pyrene	0.062	mg/kg	0.0057	1	08/11/17 10:51	08/14/17 18:09	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	69	%.	30-94	1	08/11/17 10:51	08/14/17 18:09	321-60-8	
p-Terphenyl-d14 (S)	77	%.	27-102	1	08/11/17 10:51	08/14/17 18:09	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.084	1		08/17/17 00:27	67-64-1	
Acrolein	ND	mg/kg	0.084	1		08/17/17 00:27	107-02-8	
Acrylonitrile	ND	mg/kg	0.084	1		08/17/17 00:27	107-13-1	
Benzene	ND	mg/kg	0.0042	1		08/17/17 00:27	71-43-2	
Bromobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	108-86-1	
Bromochloromethane	ND	mg/kg	0.0042	1		08/17/17 00:27	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0042	1		08/17/17 00:27	75-27-4	
Bromoform	ND	mg/kg	0.0042	1		08/17/17 00:27	75-25-2	
Bromomethane	ND	mg/kg	0.0042	1		08/17/17 00:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	1		08/17/17 00:27	78-93-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-34 (002004)**      **Lab ID: 50177414025**      Collected: 08/09/17 14:33      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	98-06-6	
Carbon disulfide	ND	mg/kg	0.0084	1		08/17/17 00:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	1		08/17/17 00:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	108-90-7	
Chloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	75-00-3	
Chloroform	ND	mg/kg	0.0042	1		08/17/17 00:27	67-66-3	
Chloromethane	ND	mg/kg	0.0042	1		08/17/17 00:27	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0042	1		08/17/17 00:27	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0042	1		08/17/17 00:27	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0042	1		08/17/17 00:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0042	1		08/17/17 00:27	106-93-4	
Dibromomethane	ND	mg/kg	0.0042	1		08/17/17 00:27	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.084	1		08/17/17 00:27	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0042	1		08/17/17 00:27	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 00:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 00:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 00:27	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 00:27	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 00:27	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 00:27	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 00:27	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 00:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 00:27	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.084	1		08/17/17 00:27	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0042	1		08/17/17 00:27	87-68-3	
n-Hexane	ND	mg/kg	0.0042	1		08/17/17 00:27	110-54-3	
2-Hexanone	ND	mg/kg	0.084	1		08/17/17 00:27	591-78-6	
Iodomethane	ND	mg/kg	0.084	1		08/17/17 00:27	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0042	1		08/17/17 00:27	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0042	1		08/17/17 00:27	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	1		08/17/17 00:27	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0084	1		08/17/17 00:27	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0084	1		08/17/17 00:27	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1		08/17/17 00:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	1		08/17/17 00:27	1634-04-4	
Naphthalene	ND	mg/kg	0.0042	1		08/17/17 00:27	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	103-65-1	
Styrene	ND	mg/kg	0.0042	1		08/17/17 00:27	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-34 (002004)**    **Lab ID: 50177414025**    Collected: 08/09/17 14:33    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	1		08/17/17 00:27	127-18-4	
Toluene	ND	mg/kg	0.0042	1		08/17/17 00:27	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	1		08/17/17 00:27	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	1		08/17/17 00:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	1		08/17/17 00:27	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0042	1		08/17/17 00:27	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	1		08/17/17 00:27	108-67-8	
Vinyl acetate	ND	mg/kg	0.084	1		08/17/17 00:27	108-05-4	
Vinyl chloride	ND	mg/kg	0.0042	1		08/17/17 00:27	75-01-4	
Xylene (Total)	ND	mg/kg	0.0084	1		08/17/17 00:27	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	111	%	69-136	1		08/17/17 00:27	1868-53-7	
Toluene-d8 (S)	100	%	64-150	1		08/17/17 00:27	2037-26-5	
4-Bromofluorobenzene (S)	89	%	51-142	1		08/17/17 00:27	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>12.8</b>	%	0.10	1		08/15/17 10:46		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-34 (014016)**    **Lab ID: 50177414026**    Collected: 08/09/17 14:45    Received: 08/10/17 12:35    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:26	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	76	%	30-94	1	08/11/17 10:51	08/14/17 18:26	321-60-8	
p-Terphenyl-d14 (S)	86	%	27-102	1	08/11/17 10:51	08/14/17 18:26	1718-51-0	

**8260 MSV 5035A VOA**    Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.11	1		08/12/17 13:10	67-64-1	
Acrolein	ND	mg/kg	0.11	1		08/12/17 13:10	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/12/17 13:10	107-13-1	
Benzene	ND	mg/kg	0.0055	1		08/12/17 13:10	71-43-2	
Bromobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	108-86-1	
Bromochloromethane	ND	mg/kg	0.0055	1		08/12/17 13:10	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0055	1		08/12/17 13:10	75-27-4	
Bromoform	ND	mg/kg	0.0055	1		08/12/17 13:10	75-25-2	
Bromomethane	ND	mg/kg	0.0055	1		08/12/17 13:10	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	1		08/12/17 13:10	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/12/17 13:10	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0055	1		08/12/17 13:10	56-23-5	
Chlorobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	108-90-7	
Chloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	75-00-3	
Chloroform	ND	mg/kg	0.0055	1		08/12/17 13:10	67-66-3	
Chloromethane	ND	mg/kg	0.0055	1		08/12/17 13:10	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0055	1		08/12/17 13:10	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0055	1		08/12/17 13:10	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0055	1		08/12/17 13:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0055	1		08/12/17 13:10	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-SB-34 (014016) Lab ID: 50177414026 Collected: 08/09/17 14:45 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0055	1		08/12/17 13:10	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/12/17 13:10	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0055	1		08/12/17 13:10	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0055	1		08/12/17 13:10	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0055	1		08/12/17 13:10	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0055	1		08/12/17 13:10	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0055	1		08/12/17 13:10	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0055	1		08/12/17 13:10	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0055	1		08/12/17 13:10	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0055	1		08/12/17 13:10	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0055	1		08/12/17 13:10	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0055	1		08/12/17 13:10	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/12/17 13:10	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0055	1		08/12/17 13:10	87-68-3	
n-Hexane	ND	mg/kg	0.0055	1		08/12/17 13:10	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/12/17 13:10	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/12/17 13:10	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0055	1		08/12/17 13:10	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0055	1		08/12/17 13:10	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	1		08/12/17 13:10	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/12/17 13:10	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/12/17 13:10	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	1		08/12/17 13:10	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0055	1		08/12/17 13:10	1634-04-4	
Naphthalene	ND	mg/kg	0.0055	1		08/12/17 13:10	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	103-65-1	
Styrene	ND	mg/kg	0.0055	1		08/12/17 13:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0055	1		08/12/17 13:10	127-18-4	
Toluene	ND	mg/kg	0.0055	1		08/12/17 13:10	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0055	1		08/12/17 13:10	79-00-5	
Trichloroethene	ND	mg/kg	0.0055	1		08/12/17 13:10	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0055	1		08/12/17 13:10	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0055	1		08/12/17 13:10	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0055	1		08/12/17 13:10	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-SB-34 (014016)**      **Lab ID: 50177414026**      Collected: 08/09/17 14:45      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.11	1		08/12/17 13:10	108-05-4	
Vinyl chloride	ND	mg/kg	0.0055	1		08/12/17 13:10	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/12/17 13:10	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	116	%	69-136	1		08/12/17 13:10	1868-53-7	
Toluene-d8 (S)	123	%	64-150	1		08/12/17 13:10	2037-26-5	
4-Bromofluorobenzene (S)	78	%	51-142	1		08/12/17 13:10	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>7.7</b>	%	0.10	1		08/15/17 10:47		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-FD-1 Lab ID: 50177414027 Collected: 08/08/17 08:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:42	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	61	%.	30-94	1	08/11/17 10:51	08/14/17 18:42	321-60-8	
p-Terphenyl-d14 (S)	68	%.	27-102	1	08/11/17 10:51	08/14/17 18:42	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.082	1		08/12/17 13:43	67-64-1	
Acrolein	ND	mg/kg	0.082	1		08/12/17 13:43	107-02-8	
Acrylonitrile	ND	mg/kg	0.082	1		08/12/17 13:43	107-13-1	
Benzene	ND	mg/kg	0.0041	1		08/12/17 13:43	71-43-2	
Bromobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	108-86-1	
Bromochloromethane	ND	mg/kg	0.0041	1		08/12/17 13:43	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0041	1		08/12/17 13:43	75-27-4	
Bromoform	ND	mg/kg	0.0041	1		08/12/17 13:43	75-25-2	
Bromomethane	ND	mg/kg	0.0041	1		08/12/17 13:43	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/12/17 13:43	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	98-06-6	
Carbon disulfide	ND	mg/kg	0.0082	1		08/12/17 13:43	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0041	1		08/12/17 13:43	56-23-5	
Chlorobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	108-90-7	
Chloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	75-00-3	
Chloroform	ND	mg/kg	0.0041	1		08/12/17 13:43	67-66-3	
Chloromethane	ND	mg/kg	0.0041	1		08/12/17 13:43	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0041	1		08/12/17 13:43	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0041	1		08/12/17 13:43	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0041	1		08/12/17 13:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0041	1		08/12/17 13:43	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-FD-1 Lab ID: 50177414027 Collected: 08/08/17 08:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0041	1		08/12/17 13:43	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.082	1		08/12/17 13:43	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0041	1		08/12/17 13:43	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0041	1		08/12/17 13:43	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	1		08/12/17 13:43	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	1		08/12/17 13:43	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0041	1		08/12/17 13:43	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0041	1		08/12/17 13:43	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0041	1		08/12/17 13:43	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0041	1		08/12/17 13:43	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	1		08/12/17 13:43	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	1		08/12/17 13:43	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.082	1		08/12/17 13:43	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0041	1		08/12/17 13:43	87-68-3	
n-Hexane	ND	mg/kg	0.0041	1		08/12/17 13:43	110-54-3	
2-Hexanone	ND	mg/kg	0.082	1		08/12/17 13:43	591-78-6	
Iodomethane	ND	mg/kg	0.082	1		08/12/17 13:43	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0041	1		08/12/17 13:43	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0041	1		08/12/17 13:43	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/12/17 13:43	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0082	1		08/12/17 13:43	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0082	1		08/12/17 13:43	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/12/17 13:43	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0041	1		08/12/17 13:43	1634-04-4	
Naphthalene	ND	mg/kg	0.0041	1		08/12/17 13:43	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	103-65-1	
Styrene	ND	mg/kg	0.0041	1		08/12/17 13:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0041	1		08/12/17 13:43	127-18-4	
Toluene	ND	mg/kg	0.0041	1		08/12/17 13:43	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0041	1		08/12/17 13:43	79-00-5	
Trichloroethene	ND	mg/kg	0.0041	1		08/12/17 13:43	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0041	1		08/12/17 13:43	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0041	1		08/12/17 13:43	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0041	1		08/12/17 13:43	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-FD-1**      **Lab ID: 50177414027**      Collected: 08/08/17 08:00      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.082	1		08/12/17 13:43	108-05-4	
Vinyl chloride	ND	mg/kg	0.0041	1		08/12/17 13:43	75-01-4	
Xylene (Total)	ND	mg/kg	0.0082	1		08/12/17 13:43	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	123	%	69-136	1		08/12/17 13:43	1868-53-7	
Toluene-d8 (S)	139	%	64-150	1		08/12/17 13:43	2037-26-5	
4-Bromofluorobenzene (S)	71	%	51-142	1		08/12/17 13:43	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.7</b>	%	0.10	1		08/15/17 10:47		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-FD-2 Lab ID: 50177414028 Collected: 08/09/17 08:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 18:59	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	68	%.	30-94	1	08/11/17 10:51	08/14/17 18:59	321-60-8	
p-Terphenyl-d14 (S)	70	%.	27-102	1	08/11/17 10:51	08/14/17 18:59	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.080	1		08/12/17 14:16	67-64-1	
Acrolein	ND	mg/kg	0.080	1		08/12/17 14:16	107-02-8	
Acrylonitrile	ND	mg/kg	0.080	1		08/12/17 14:16	107-13-1	
Benzene	ND	mg/kg	0.0040	1		08/12/17 14:16	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1		08/12/17 14:16	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1		08/12/17 14:16	75-27-4	
Bromoform	ND	mg/kg	0.0040	1		08/12/17 14:16	75-25-2	
Bromomethane	ND	mg/kg	0.0040	1		08/12/17 14:16	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/12/17 14:16	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	98-06-6	
Carbon disulfide	ND	mg/kg	0.0080	1		08/12/17 14:16	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1		08/12/17 14:16	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	108-90-7	
Chloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	75-00-3	
Chloroform	ND	mg/kg	0.0040	1		08/12/17 14:16	67-66-3	
Chloromethane	ND	mg/kg	0.0040	1		08/12/17 14:16	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 14:16	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0040	1		08/12/17 14:16	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0040	1		08/12/17 14:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1		08/12/17 14:16	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-FD-2 Lab ID: 50177414028 Collected: 08/09/17 08:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0040	1		08/12/17 14:16	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.080	1		08/12/17 14:16	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0040	1		08/12/17 14:16	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 14:16	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 14:16	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1		08/12/17 14:16	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 14:16	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 14:16	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0040	1		08/12/17 14:16	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 14:16	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 14:16	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1		08/12/17 14:16	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.080	1		08/12/17 14:16	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0040	1		08/12/17 14:16	87-68-3	
n-Hexane	ND	mg/kg	0.0040	1		08/12/17 14:16	110-54-3	
2-Hexanone	ND	mg/kg	0.080	1		08/12/17 14:16	591-78-6	
Iodomethane	ND	mg/kg	0.080	1		08/12/17 14:16	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1		08/12/17 14:16	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0040	1		08/12/17 14:16	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/12/17 14:16	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0080	1		08/12/17 14:16	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0080	1		08/12/17 14:16	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/12/17 14:16	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1		08/12/17 14:16	1634-04-4	
Naphthalene	ND	mg/kg	0.0040	1		08/12/17 14:16	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	103-65-1	
Styrene	ND	mg/kg	0.0040	1		08/12/17 14:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	1		08/12/17 14:16	127-18-4	
Toluene	ND	mg/kg	0.0040	1		08/12/17 14:16	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1		08/12/17 14:16	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	1		08/12/17 14:16	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	1		08/12/17 14:16	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1		08/12/17 14:16	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1		08/12/17 14:16	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-FD-2**      **Lab ID: 50177414028**      Collected: 08/09/17 08:00      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.080	1		08/12/17 14:16	108-05-4	
Vinyl chloride	ND	mg/kg	0.0040	1		08/12/17 14:16	75-01-4	
Xylene (Total)	ND	mg/kg	0.0080	1		08/12/17 14:16	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	122	%.	69-136	1		08/12/17 14:16	1868-53-7	
Toluene-d8 (S)	141	%.	64-150	1		08/12/17 14:16	2037-26-5	
4-Bromofluorobenzene (S)	73	%.	51-142	1		08/12/17 14:16	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.3</b>	%	0.10	1		08/15/17 10:47		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-FD-3**      **Lab ID: 50177414029**      Collected: 08/09/17 08:00      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM      Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/11/17 10:51	08/14/17 19:15	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	72	%.	30-94	1	08/11/17 10:51	08/14/17 19:15	321-60-8	
p-Terphenyl-d14 (S)	87	%.	27-102	1	08/11/17 10:51	08/14/17 19:15	1718-51-0	

**8260 MSV 5035A VOA**      Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.087	1		08/12/17 06:11	67-64-1	
Acrolein	ND	mg/kg	0.087	1		08/12/17 06:11	107-02-8	
Acrylonitrile	ND	mg/kg	0.087	1		08/12/17 06:11	107-13-1	
Benzene	ND	mg/kg	0.0044	1		08/12/17 06:11	71-43-2	
Bromobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	1		08/12/17 06:11	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	1		08/12/17 06:11	75-27-4	
Bromoform	ND	mg/kg	0.0044	1		08/12/17 06:11	75-25-2	
Bromomethane	ND	mg/kg	0.0044	1		08/12/17 06:11	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	1		08/12/17 06:11	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	98-06-6	
Carbon disulfide	ND	mg/kg	0.0087	1		08/12/17 06:11	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	1		08/12/17 06:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	108-90-7	
Chloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	75-00-3	
Chloroform	ND	mg/kg	0.0044	1		08/12/17 06:11	67-66-3	
Chloromethane	ND	mg/kg	0.0044	1		08/12/17 06:11	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0044	1		08/12/17 06:11	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0044	1		08/12/17 06:11	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0044	1		08/12/17 06:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0044	1		08/12/17 06:11	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: RE-SB-FD-3 Lab ID: 50177414029 Collected: 08/09/17 08:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0044	1		08/12/17 06:11	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.087	1		08/12/17 06:11	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0044	1		08/12/17 06:11	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	1		08/12/17 06:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	1		08/12/17 06:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	1		08/12/17 06:11	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	1		08/12/17 06:11	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0044	1		08/12/17 06:11	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0044	1		08/12/17 06:11	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0044	1		08/12/17 06:11	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	1		08/12/17 06:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	1		08/12/17 06:11	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.087	1		08/12/17 06:11	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0044	1		08/12/17 06:11	87-68-3	
n-Hexane	ND	mg/kg	0.0044	1		08/12/17 06:11	110-54-3	
2-Hexanone	ND	mg/kg	0.087	1		08/12/17 06:11	591-78-6	
Iodomethane	ND	mg/kg	0.087	1		08/12/17 06:11	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	1		08/12/17 06:11	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0044	1		08/12/17 06:11	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	1		08/12/17 06:11	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0087	1		08/12/17 06:11	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0087	1		08/12/17 06:11	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1		08/12/17 06:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	1		08/12/17 06:11	1634-04-4	
Naphthalene	ND	mg/kg	0.0044	1		08/12/17 06:11	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	103-65-1	
Styrene	ND	mg/kg	0.0044	1		08/12/17 06:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	1		08/12/17 06:11	127-18-4	
Toluene	ND	mg/kg	0.0044	1		08/12/17 06:11	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	1		08/12/17 06:11	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	1		08/12/17 06:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	1		08/12/17 06:11	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0044	1		08/12/17 06:11	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	1		08/12/17 06:11	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample: RE-SB-FD-3**      **Lab ID: 50177414029**      Collected: 08/09/17 08:00      Received: 08/10/17 12:35      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.087	1		08/12/17 06:11	108-05-4	
Vinyl chloride	ND	mg/kg	0.0044	1		08/12/17 06:11	75-01-4	
Xylene (Total)	ND	mg/kg	0.0087	1		08/12/17 06:11	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	118	%.	69-136	1		08/12/17 06:11	1868-53-7	
Toluene-d8 (S)	132	%.	64-150	1		08/12/17 06:11	2037-26-5	
4-Bromofluorobenzene (S)	79	%.	51-142	1		08/12/17 06:11	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>7.9</b>	%	0.10	1		08/15/17 10:47		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Sample: Trip Blank Lab ID: 50177414030 Collected: 08/08/17 08:00 Received: 08/10/17 12:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.10	1		08/12/17 06:44	67-64-1	
Acrolein	ND	mg/kg	0.10	1		08/12/17 06:44	107-02-8	
Acrylonitrile	ND	mg/kg	0.10	1		08/12/17 06:44	107-13-1	
Benzene	ND	mg/kg	0.0050	1		08/12/17 06:44	71-43-2	
Bromobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	108-86-1	
Bromochloromethane	ND	mg/kg	0.0050	1		08/12/17 06:44	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0050	1		08/12/17 06:44	75-27-4	
Bromoform	ND	mg/kg	0.0050	1		08/12/17 06:44	75-25-2	
Bromomethane	ND	mg/kg	0.0050	1		08/12/17 06:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	1		08/12/17 06:44	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	1		08/12/17 06:44	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	1		08/12/17 06:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	108-90-7	
Chloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	75-00-3	
Chloroform	ND	mg/kg	0.0050	1		08/12/17 06:44	67-66-3	
Chloromethane	ND	mg/kg	0.0050	1		08/12/17 06:44	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0050	1		08/12/17 06:44	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0050	1		08/12/17 06:44	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0050	1		08/12/17 06:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0050	1		08/12/17 06:44	106-93-4	
Dibromomethane	ND	mg/kg	0.0050	1		08/12/17 06:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	1		08/12/17 06:44	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0050	1		08/12/17 06:44	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	1		08/12/17 06:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	1		08/12/17 06:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	1		08/12/17 06:44	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	1		08/12/17 06:44	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0050	1		08/12/17 06:44	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0050	1		08/12/17 06:44	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0050	1		08/12/17 06:44	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	1		08/12/17 06:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	1		08/12/17 06:44	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	1		08/12/17 06:44	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0050	1		08/12/17 06:44	87-68-3	
n-Hexane	ND	mg/kg	0.0050	1		08/12/17 06:44	110-54-3	
2-Hexanone	ND	mg/kg	0.10	1		08/12/17 06:44	591-78-6	
Iodomethane	ND	mg/kg	0.10	1		08/12/17 06:44	74-88-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

**Sample:** Trip Blank      **Lab ID:** 50177414030      Collected: 08/08/17 08:00      Received: 08/10/17 12:35      Matrix: Solid

**Results reported on a "wet-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	mg/kg	0.0050	1		08/12/17 06:44	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0050	1		08/12/17 06:44	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	1		08/12/17 06:44	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.010	1		08/12/17 06:44	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.010	1		08/12/17 06:44	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	1		08/12/17 06:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	1		08/12/17 06:44	1634-04-4	
Naphthalene	ND	mg/kg	0.0050	1		08/12/17 06:44	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	103-65-1	
Styrene	ND	mg/kg	0.0050	1		08/12/17 06:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	1		08/12/17 06:44	127-18-4	
Toluene	ND	mg/kg	0.0050	1		08/12/17 06:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	1		08/12/17 06:44	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	1		08/12/17 06:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	1		08/12/17 06:44	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	1		08/12/17 06:44	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	1		08/12/17 06:44	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	1		08/12/17 06:44	108-05-4	
Vinyl chloride	ND	mg/kg	0.0050	1		08/12/17 06:44	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	1		08/12/17 06:44	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	109	%.	69-136	1		08/12/17 06:44	1868-53-7	
Toluene-d8 (S)	97	%.	64-150	1		08/12/17 06:44	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	51-142	1		08/12/17 06:44	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

QC Batch: 401600

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 50177414001, 50177414003, 50177414005, 50177414007, 50177414009, 50177414011, 50177414013, 50177414015, 50177414017, 50177414019, 50177414021, 50177414023, 50177414025

METHOD BLANK: 1848607

Matrix: Solid

Associated Lab Samples: 50177414001, 50177414003, 50177414005, 50177414007, 50177414009, 50177414011, 50177414013, 50177414015, 50177414017, 50177414019, 50177414021, 50177414023, 50177414025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	08/17/17 11:47	

LABORATORY CONTROL SAMPLE: 1848608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.51	0.47	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1848609 1848610

Parameter	Units	50177384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.75	.72	0.71	0.67	88	87	75-125	6	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

QC Batch: 401105 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 50177414019, 50177414021, 50177414023, 50177414025

METHOD BLANK: 1846712 Matrix: Solid  
Associated Lab Samples: 50177414019, 50177414021, 50177414023, 50177414025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	08/16/17 23:07	
Barium	mg/kg	ND	1.0	08/16/17 23:07	
Cadmium	mg/kg	ND	0.50	08/16/17 23:07	
Chromium	mg/kg	ND	1.0	08/16/17 23:07	
Lead	mg/kg	ND	1.0	08/16/17 23:07	
Selenium	mg/kg	ND	1.0	08/16/17 23:07	
Silver	mg/kg	ND	0.50	08/16/17 23:07	

LABORATORY CONTROL SAMPLE: 1846713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.6	101	80-120	
Barium	mg/kg	50	49.8	100	80-120	
Cadmium	mg/kg	50	49.3	99	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Lead	mg/kg	50	47.8	96	80-120	
Selenium	mg/kg	50	49.9	100	80-120	
Silver	mg/kg	25	24.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846714 1846715

Parameter	Units	50177574006		1846715		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Arsenic	mg/kg	18.8	45.6	47.1	60.0	61.2	90	90	75-125	2	20
Barium	mg/kg	427	45.6	47.1	453	466	57	81	75-125	3	20 P6
Cadmium	mg/kg	3.6	45.6	47.1	44.4	45.5	89	89	75-125	3	20
Chromium	mg/kg	24.2	45.6	47.1	63.2	64.7	85	86	75-125	2	20
Lead	mg/kg	572	45.6	47.1	555	556	-38	-34	75-125	0	20 P6
Selenium	mg/kg	1.0	45.6	47.1	39.2	40.2	84	83	75-125	2	20
Silver	mg/kg	ND	22.8	23.6	21.0	21.7	90	90	75-125	3	20

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

QC Batch: 401636 Analysis Method: EPA 6010  
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
 Associated Lab Samples: 50177414001, 50177414003, 50177414005, 50177414007, 50177414009, 50177414011, 50177414013, 50177414015, 50177414017

METHOD BLANK: 1848810 Matrix: Solid  
 Associated Lab Samples: 50177414001, 50177414003, 50177414005, 50177414007, 50177414009, 50177414011, 50177414013, 50177414015, 50177414017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	08/21/17 10:05	
Barium	mg/kg	ND	1.0	08/21/17 10:05	
Cadmium	mg/kg	ND	0.50	08/21/17 10:05	
Chromium	mg/kg	ND	1.0	08/21/17 10:05	
Lead	mg/kg	ND	1.0	08/21/17 10:05	
Selenium	mg/kg	ND	1.0	08/21/17 10:05	
Silver	mg/kg	ND	0.50	08/21/17 10:05	

LABORATORY CONTROL SAMPLE: 1848811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.6	97	80-120	
Barium	mg/kg	50	47.2	94	80-120	
Cadmium	mg/kg	50	48.3	97	80-120	
Chromium	mg/kg	50	47.3	95	80-120	
Lead	mg/kg	50	46.6	93	80-120	
Selenium	mg/kg	50	49.8	100	80-120	
Silver	mg/kg	25	23.8	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1848812 1848813

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50177414009 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	mg/kg	6.8	58.8	59.3	55.1	60.1	82	90	75-125	9	20
Barium	mg/kg	95.3	58.8	59.3	149	171	92	127	75-125	13	20 M0
Cadmium	mg/kg	ND	58.8	59.3	50.2	50.6	85	84	75-125	1	20
Chromium	mg/kg	17.9	58.8	59.3	68.2	70.3	85	88	75-125	3	20
Lead	mg/kg	12.1	58.8	59.3	53.9	55.9	71	74	75-125	4	20 M3
Selenium	mg/kg	ND	58.8	59.3	48.4	49.0	82	83	75-125	1	20
Silver	mg/kg	ND	29.5	29.7	24.7	25.2	84	84	75-125	2	20

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

QC Batch: 401070 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 50177414001, 50177414002, 50177414003, 50177414004, 50177414005, 50177414006, 50177414007, 50177414008, 50177414009, 50177414010, 50177414011, 50177414012

METHOD BLANK: 1846513 Matrix: Solid  
Associated Lab Samples: 50177414001, 50177414002, 50177414003, 50177414004, 50177414005, 50177414006, 50177414007, 50177414008, 50177414009, 50177414010, 50177414011, 50177414012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	08/11/17 16:32	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	08/11/17 16:32	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	08/11/17 16:32	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	08/11/17 16:32	
1,1-Dichloroethane	mg/kg	ND	0.0050	08/11/17 16:32	
1,1-Dichloroethene	mg/kg	ND	0.0050	08/11/17 16:32	
1,1-Dichloropropene	mg/kg	ND	0.0050	08/11/17 16:32	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	08/11/17 16:32	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	08/11/17 16:32	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1,2-Dichloroethane	mg/kg	ND	0.0050	08/11/17 16:32	
1,2-Dichloropropane	mg/kg	ND	0.0050	08/11/17 16:32	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1,3-Dichloropropane	mg/kg	ND	0.0050	08/11/17 16:32	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
1-Methylnaphthalene	mg/kg	ND	0.010	08/11/17 16:32	N2
2,2-Dichloropropane	mg/kg	ND	0.0050	08/11/17 16:32	
2-Butanone (MEK)	mg/kg	ND	0.025	08/11/17 16:32	
2-Chlorotoluene	mg/kg	ND	0.0050	08/11/17 16:32	
2-Hexanone	mg/kg	ND	0.10	08/11/17 16:32	
2-Methylnaphthalene	mg/kg	ND	0.010	08/11/17 16:32	
4-Chlorotoluene	mg/kg	ND	0.0050	08/11/17 16:32	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	08/11/17 16:32	
Acetone	mg/kg	ND	0.10	08/11/17 16:32	
Acrolein	mg/kg	ND	0.10	08/11/17 16:32	
Acrylonitrile	mg/kg	ND	0.10	08/11/17 16:32	
Benzene	mg/kg	ND	0.0050	08/11/17 16:32	
Bromobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
Bromochloromethane	mg/kg	ND	0.0050	08/11/17 16:32	
Bromodichloromethane	mg/kg	ND	0.0050	08/11/17 16:32	
Bromoform	mg/kg	ND	0.0050	08/11/17 16:32	
Bromomethane	mg/kg	ND	0.0050	08/11/17 16:32	
Carbon disulfide	mg/kg	ND	0.010	08/11/17 16:32	
Carbon tetrachloride	mg/kg	ND	0.0050	08/11/17 16:32	
Chlorobenzene	mg/kg	ND	0.0050	08/11/17 16:32	
Chloroethane	mg/kg	ND	0.0050	08/11/17 16:32	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

METHOD BLANK: 1846513

Matrix: Solid

Associated Lab Samples: 50177414001, 50177414002, 50177414003, 50177414004, 50177414005, 50177414006, 50177414007, 50177414008, 50177414009, 50177414010, 50177414011, 50177414012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	mg/kg	ND	0.0050	08/11/17 16:32	
Chloromethane	mg/kg	ND	0.0050	08/11/17 16:32	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	08/11/17 16:32	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	08/11/17 16:32	
Dibromochloromethane	mg/kg	ND	0.0050	08/11/17 16:32	
Dibromomethane	mg/kg	ND	0.0050	08/11/17 16:32	
Dichlorodifluoromethane	mg/kg	ND	0.0050	08/11/17 16:32	
Ethyl methacrylate	mg/kg	ND	0.10	08/11/17 16:32	
Ethylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	08/11/17 16:32	
Iodomethane	mg/kg	ND	0.10	08/11/17 16:32	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	08/11/17 16:32	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	08/11/17 16:32	
Methylene Chloride	mg/kg	ND	0.020	08/11/17 16:32	
n-Butylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
n-Hexane	mg/kg	ND	0.0050	08/11/17 16:32	
n-Propylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
Naphthalene	mg/kg	ND	0.0050	08/11/17 16:32	
p-Isopropyltoluene	mg/kg	ND	0.0050	08/11/17 16:32	
sec-Butylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
Styrene	mg/kg	ND	0.0050	08/11/17 16:32	
tert-Butylbenzene	mg/kg	ND	0.0050	08/11/17 16:32	
Tetrachloroethene	mg/kg	ND	0.0050	08/11/17 16:32	
Toluene	mg/kg	ND	0.0050	08/11/17 16:32	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	08/11/17 16:32	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	08/11/17 16:32	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	08/11/17 16:32	
Trichloroethene	mg/kg	ND	0.0050	08/11/17 16:32	
Trichlorofluoromethane	mg/kg	ND	0.0050	08/11/17 16:32	
Vinyl acetate	mg/kg	ND	0.10	08/11/17 16:32	
Vinyl chloride	mg/kg	ND	0.0050	08/11/17 16:32	
Xylene (Total)	mg/kg	ND	0.010	08/11/17 16:32	
4-Bromofluorobenzene (S)	%	104	51-142	08/11/17 16:32	
Dibromofluoromethane (S)	%	105	69-136	08/11/17 16:32	
Toluene-d8 (S)	%	101	64-150	08/11/17 16:32	

LABORATORY CONTROL SAMPLE: 1846514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.057	115	72-126	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.052	104	68-125	
1,1-Dichloroethene	mg/kg	.05	0.058	116	70-132	
1,2,4-Trimethylbenzene	mg/kg	.05	0.051	102	70-118	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

LABORATORY CONTROL SAMPLE: 1846514

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	mg/kg	.05	0.054	108	76-122	
Benzene	mg/kg	.05	0.055	109	75-119	
Chlorobenzene	mg/kg	.05	0.051	102	75-114	
Chloroform	mg/kg	.05	0.052	103	71-114	
cis-1,2-Dichloroethene	mg/kg	.05	0.053	105	79-121	
Ethylbenzene	mg/kg	.05	0.054	107	73-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.052	105	72-122	
Methyl-tert-butyl ether	mg/kg	.05	0.055	109	74-121	
Naphthalene	mg/kg	.05	0.051	103	65-122	
Tetrachloroethene	mg/kg	.05	0.051	102	68-120	
Toluene	mg/kg	.05	0.052	104	71-114	
trans-1,2-Dichloroethene	mg/kg	.05	0.056	111	76-125	
Trichloroethene	mg/kg	.05	0.053	106	77-115	
Vinyl chloride	mg/kg	.05	0.058	115	66-139	
Xylene (Total)	mg/kg	.15	0.15	103	71-119	
4-Bromofluorobenzene (S)	%			99	51-142	
Dibromofluoromethane (S)	%			97	69-136	
Toluene-d8 (S)	%			101	64-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846515 1846516

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual		
		50177414002 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result	
1,1,1-Trichloroethane	mg/kg	0.073	.05	.06	0.11	0.14	75	112	31-146	23	20	R1
1,1,2,2-Tetrachloroethane	mg/kg	ND	.05	.06	0.12	0.12	233	202	22-171	2	20	M1
1,1-Dichloroethene	mg/kg	ND	.05	.06	0.062	0.063	124	107	53-154	1	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.05	.06	0.094	0.093	187	157	10-162	1	20	M1
1,2-Dichloropropane	mg/kg	ND	.05	.06	0.056	0.059	110	99	49-140	6	20	
Benzene	mg/kg	ND	.05	.06	0.055	0.060	109	101	43-141	8	20	
Chlorobenzene	mg/kg	ND	.05	.06	0.051	0.056	101	94	20-141	9	20	
Chloroform	mg/kg	0.010	.05	.06	0.057	0.068	94	98	49-134	17	20	
cis-1,2-Dichloroethene	mg/kg	ND	.05	.06	0.057	0.062	108	100	50-144	7	20	
Ethylbenzene	mg/kg	ND	.05	.06	0.063	0.062	126	105	21-149	2	20	
Isopropylbenzene (Cumene)	mg/kg	ND	.05	.06	0.070	0.063	139	106	15-152	11	20	
Methyl-tert-butyl ether	mg/kg	ND	.05	.06	0.067	0.072	133	121	60-141	6	20	
Naphthalene	mg/kg	ND	.05	.06	0.040	0.047	80	79	10-134	15	20	
Tetrachloroethene	mg/kg	ND	.05	.06	0.063	0.061	126	103	21-155	4	20	
Toluene	mg/kg	ND	.05	.06	0.070	0.068	137	114	30-146	3	20	
trans-1,2-Dichloroethene	mg/kg	ND	.05	.06	0.056	0.063	110	106	50-146	12	20	
Trichloroethene	mg/kg	0.026	.05	.06	0.063	0.086	72	101	25-162	31	20	R1
Vinyl chloride	mg/kg	ND	.05	.06	0.073	0.069	145	116	51-160	6	20	
Xylene (Total)	mg/kg	ND	.15	.18	0.19	0.18	124	100	15-151	5	20	
4-Bromofluorobenzene (S)	%						80	78	51-142			
Dibromofluoromethane (S)	%						99	101	69-136			
Toluene-d8 (S)	%						131	121	64-150			

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

QC Batch: 401071 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 50177414013, 50177414014, 50177414015, 50177414016, 50177414018, 50177414020, 50177414021, 50177414023, 50177414024, 50177414026, 50177414027, 50177414028

METHOD BLANK: 1846518 Matrix: Solid  
Associated Lab Samples: 50177414013, 50177414014, 50177414015, 50177414016, 50177414018, 50177414020, 50177414021, 50177414023, 50177414024, 50177414026, 50177414027, 50177414028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	08/12/17 04:14	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	08/12/17 04:14	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	08/12/17 04:14	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	08/12/17 04:14	
1,1-Dichloroethane	mg/kg	ND	0.0050	08/12/17 04:14	
1,1-Dichloroethene	mg/kg	ND	0.0050	08/12/17 04:14	
1,1-Dichloropropene	mg/kg	ND	0.0050	08/12/17 04:14	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	08/12/17 04:14	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	08/12/17 04:14	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1,2-Dichloroethane	mg/kg	ND	0.0050	08/12/17 04:14	
1,2-Dichloropropane	mg/kg	ND	0.0050	08/12/17 04:14	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1,3-Dichloropropane	mg/kg	ND	0.0050	08/12/17 04:14	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
1-Methylnaphthalene	mg/kg	ND	0.010	08/12/17 04:14	N2
2,2-Dichloropropane	mg/kg	ND	0.0050	08/12/17 04:14	
2-Butanone (MEK)	mg/kg	ND	0.025	08/12/17 04:14	
2-Chlorotoluene	mg/kg	ND	0.0050	08/12/17 04:14	
2-Hexanone	mg/kg	ND	0.10	08/12/17 04:14	
2-Methylnaphthalene	mg/kg	ND	0.010	08/12/17 04:14	
4-Chlorotoluene	mg/kg	ND	0.0050	08/12/17 04:14	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	08/12/17 04:14	
Acetone	mg/kg	ND	0.10	08/12/17 04:14	
Acrolein	mg/kg	ND	0.10	08/12/17 04:14	
Acrylonitrile	mg/kg	ND	0.10	08/12/17 04:14	
Benzene	mg/kg	ND	0.0050	08/12/17 04:14	
Bromobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
Bromochloromethane	mg/kg	ND	0.0050	08/12/17 04:14	
Bromodichloromethane	mg/kg	ND	0.0050	08/12/17 04:14	
Bromoform	mg/kg	ND	0.0050	08/12/17 04:14	
Bromomethane	mg/kg	ND	0.0050	08/12/17 04:14	
Carbon disulfide	mg/kg	ND	0.010	08/12/17 04:14	
Carbon tetrachloride	mg/kg	ND	0.0050	08/12/17 04:14	
Chlorobenzene	mg/kg	ND	0.0050	08/12/17 04:14	
Chloroethane	mg/kg	ND	0.0050	08/12/17 04:14	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

METHOD BLANK: 1846518

Matrix: Solid

Associated Lab Samples: 50177414013, 50177414014, 50177414015, 50177414016, 50177414018, 50177414020, 50177414021, 50177414023, 50177414024, 50177414026, 50177414027, 50177414028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	mg/kg	ND	0.0050	08/12/17 04:14	
Chloromethane	mg/kg	ND	0.0050	08/12/17 04:14	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	08/12/17 04:14	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	08/12/17 04:14	
Dibromochloromethane	mg/kg	ND	0.0050	08/12/17 04:14	
Dibromomethane	mg/kg	ND	0.0050	08/12/17 04:14	
Dichlorodifluoromethane	mg/kg	ND	0.0050	08/12/17 04:14	
Ethyl methacrylate	mg/kg	ND	0.10	08/12/17 04:14	
Ethylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	08/12/17 04:14	
Iodomethane	mg/kg	ND	0.10	08/12/17 04:14	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	08/12/17 04:14	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	08/12/17 04:14	
Methylene Chloride	mg/kg	ND	0.020	08/12/17 04:14	
n-Butylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
n-Hexane	mg/kg	ND	0.0050	08/12/17 04:14	
n-Propylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
Naphthalene	mg/kg	ND	0.0050	08/12/17 04:14	
p-Isopropyltoluene	mg/kg	ND	0.0050	08/12/17 04:14	
sec-Butylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
Styrene	mg/kg	ND	0.0050	08/12/17 04:14	
tert-Butylbenzene	mg/kg	ND	0.0050	08/12/17 04:14	
Tetrachloroethene	mg/kg	ND	0.0050	08/12/17 04:14	
Toluene	mg/kg	ND	0.0050	08/12/17 04:14	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	08/12/17 04:14	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	08/12/17 04:14	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	08/12/17 04:14	
Trichloroethene	mg/kg	ND	0.0050	08/12/17 04:14	
Trichlorofluoromethane	mg/kg	ND	0.0050	08/12/17 04:14	
Vinyl acetate	mg/kg	ND	0.10	08/12/17 04:14	
Vinyl chloride	mg/kg	ND	0.0050	08/12/17 04:14	
Xylene (Total)	mg/kg	ND	0.010	08/12/17 04:14	
4-Bromofluorobenzene (S)	%	107	51-142	08/12/17 04:14	
Dibromofluoromethane (S)	%	110	69-136	08/12/17 04:14	
Toluene-d8 (S)	%	98	64-150	08/12/17 04:14	

LABORATORY CONTROL SAMPLE: 1846519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.054	108	72-126	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.052	103	68-125	
1,1-Dichloroethene	mg/kg	.05	0.055	109	70-132	
1,2,4-Trimethylbenzene	mg/kg	.05	0.047	95	70-118	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

LABORATORY CONTROL SAMPLE: 1846519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	mg/kg	.05	0.053	105	76-122	
Benzene	mg/kg	.05	0.052	105	75-119	
Chlorobenzene	mg/kg	.05	0.049	98	75-114	
Chloroform	mg/kg	.05	0.052	103	71-114	
cis-1,2-Dichloroethene	mg/kg	.05	0.052	104	79-121	
Ethylbenzene	mg/kg	.05	0.050	100	73-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.050	100	72-122	
Methyl-tert-butyl ether	mg/kg	.05	0.056	112	74-121	
Naphthalene	mg/kg	.05	0.050	99	65-122	
Tetrachloroethene	mg/kg	.05	0.047	94	68-120	
Toluene	mg/kg	.05	0.050	101	71-114	
trans-1,2-Dichloroethene	mg/kg	.05	0.051	102	76-125	
Trichloroethene	mg/kg	.05	0.051	102	77-115	
Vinyl chloride	mg/kg	.05	0.057	115	66-139	
Xylene (Total)	mg/kg	.15	0.14	97	71-119	
4-Bromofluorobenzene (S)	%			99	51-142	
Dibromofluoromethane (S)	%			98	69-136	
Toluene-d8 (S)	%			101	64-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846520 1846521

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		50177414016 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	mg/kg	ND	.048	.041	0.062	0.046	129	114	31-146	29	20	R1
1,1,2,2-Tetrachloroethane	mg/kg	ND	.048	.041	0.083	0.063	174	157	22-171	27	20	M1,R1
1,1-Dichloroethene	mg/kg	ND	.048	.041	0.064	0.048	134	119	53-154	28	20	R1
1,2,4-Trimethylbenzene	mg/kg	ND	.048	.041	0.084	0.054	175	133	10-162	44	20	M1,R1
1,2-Dichloropropane	mg/kg	ND	.048	.041	0.045	0.033	94	81	49-140	31	20	R1
Benzene	mg/kg	ND	.048	.041	0.049	0.036	102	90	43-141	30	20	R1
Chlorobenzene	mg/kg	ND	.048	.041	0.042	0.029	88	71	20-141	38	20	R1
Chloroform	mg/kg	ND	.048	.041	0.051	0.038	107	95	49-134	28	20	R1
cis-1,2-Dichloroethene	mg/kg	ND	.048	.041	0.051	0.038	106	95	50-144	28	20	R1
Ethylbenzene	mg/kg	ND	.048	.041	0.057	0.037	119	92	21-149	42	20	R1
Isopropylbenzene (Cumene)	mg/kg	ND	.048	.041	0.061	0.040	128	100	15-152	41	20	R1
Methyl-tert-butyl ether	mg/kg	ND	.048	.041	0.065	0.050	135	124	60-141	25	20	R1
Naphthalene	mg/kg	ND	.048	.041	0.019	0.011	40	28	10-134	51	20	R1
Tetrachloroethene	mg/kg	ND	.048	.041	0.063	0.041	132	102	21-155	42	20	R1
Toluene	mg/kg	ND	.048	.041	0.064	0.045	133	112	30-146	34	20	R1
trans-1,2-Dichloroethene	mg/kg	ND	.048	.041	0.057	0.043	118	106	50-146	27	20	R1
Trichloroethene	mg/kg	ND	.048	.041	0.044	0.031	92	76	25-162	35	20	R1
Vinyl chloride	mg/kg	ND	.048	.041	0.077	0.058	160	145	51-160	27	20	R1
Xylene (Total)	mg/kg	ND	.14	.12	0.15	0.10	107	84	15-151	41	20	RS
4-Bromofluorobenzene (S)	%						72	73	51-142			
Dibromofluoromethane (S)	%						106	108	69-136			
Toluene-d8 (S)	%						141	138	64-150			

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

QC Batch:	401083	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	50177414029, 50177414030		

METHOD BLANK: 1846585 Matrix: Solid

Associated Lab Samples: 50177414029, 50177414030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
1,1-Dichloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
1,1-Dichloroethene	mg/kg	ND	0.0050	08/12/17 05:04	
1,1-Dichloropropene	mg/kg	ND	0.0050	08/12/17 05:04	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	08/12/17 05:04	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	08/12/17 05:04	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1,2-Dichloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
1,2-Dichloropropane	mg/kg	ND	0.0050	08/12/17 05:04	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1,3-Dichloropropane	mg/kg	ND	0.0050	08/12/17 05:04	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
1-Methylnaphthalene	mg/kg	ND	0.010	08/12/17 05:04	N2
2,2-Dichloropropane	mg/kg	ND	0.0050	08/12/17 05:04	
2-Butanone (MEK)	mg/kg	ND	0.025	08/12/17 05:04	
2-Chlorotoluene	mg/kg	ND	0.0050	08/12/17 05:04	
2-Hexanone	mg/kg	ND	0.10	08/12/17 05:04	
2-Methylnaphthalene	mg/kg	ND	0.010	08/12/17 05:04	
4-Chlorotoluene	mg/kg	ND	0.0050	08/12/17 05:04	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	08/12/17 05:04	
Acetone	mg/kg	ND	0.10	08/12/17 05:04	
Acrolein	mg/kg	ND	0.10	08/12/17 05:04	
Acrylonitrile	mg/kg	ND	0.10	08/12/17 05:04	
Benzene	mg/kg	ND	0.0050	08/12/17 05:04	
Bromobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
Bromochloromethane	mg/kg	ND	0.0050	08/12/17 05:04	
Bromodichloromethane	mg/kg	ND	0.0050	08/12/17 05:04	
Bromoform	mg/kg	ND	0.0050	08/12/17 05:04	
Bromomethane	mg/kg	ND	0.0050	08/12/17 05:04	
Carbon disulfide	mg/kg	ND	0.010	08/12/17 05:04	
Carbon tetrachloride	mg/kg	ND	0.0050	08/12/17 05:04	
Chlorobenzene	mg/kg	ND	0.0050	08/12/17 05:04	
Chloroethane	mg/kg	ND	0.0050	08/12/17 05:04	
Chloroform	mg/kg	ND	0.0050	08/12/17 05:04	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

METHOD BLANK: 1846585

Matrix: Solid

Associated Lab Samples: 50177414029, 50177414030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	mg/kg	ND	0.0050	08/12/17 05:04	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	08/12/17 05:04	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	08/12/17 05:04	
Dibromochloromethane	mg/kg	ND	0.0050	08/12/17 05:04	
Dibromomethane	mg/kg	ND	0.0050	08/12/17 05:04	
Dichlorodifluoromethane	mg/kg	ND	0.0050	08/12/17 05:04	
Ethyl methacrylate	mg/kg	ND	0.10	08/12/17 05:04	
Ethylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	08/12/17 05:04	
Iodomethane	mg/kg	ND	0.10	08/12/17 05:04	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	08/12/17 05:04	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	08/12/17 05:04	
Methylene Chloride	mg/kg	ND	0.020	08/12/17 05:04	
n-Butylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
n-Hexane	mg/kg	ND	0.0050	08/12/17 05:04	
n-Propylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
Naphthalene	mg/kg	ND	0.0050	08/12/17 05:04	
p-Isopropyltoluene	mg/kg	ND	0.0050	08/12/17 05:04	
sec-Butylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
Styrene	mg/kg	ND	0.0050	08/12/17 05:04	
tert-Butylbenzene	mg/kg	ND	0.0050	08/12/17 05:04	
Tetrachloroethene	mg/kg	ND	0.0050	08/12/17 05:04	
Toluene	mg/kg	ND	0.0050	08/12/17 05:04	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	08/12/17 05:04	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	08/12/17 05:04	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	08/12/17 05:04	
Trichloroethene	mg/kg	ND	0.0050	08/12/17 05:04	
Trichlorofluoromethane	mg/kg	ND	0.0050	08/12/17 05:04	
Vinyl acetate	mg/kg	ND	0.10	08/12/17 05:04	
Vinyl chloride	mg/kg	ND	0.0050	08/12/17 05:04	
Xylene (Total)	mg/kg	ND	0.010	08/12/17 05:04	
4-Bromofluorobenzene (S)	%	103	51-142	08/12/17 05:04	
Dibromofluoromethane (S)	%	108	69-136	08/12/17 05:04	
Toluene-d8 (S)	%	100	64-150	08/12/17 05:04	

LABORATORY CONTROL SAMPLE: 1846586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.053	107	72-126	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.052	104	68-125	
1,1-Dichloroethene	mg/kg	.05	0.053	106	70-132	
1,2,4-Trimethylbenzene	mg/kg	.05	0.049	98	70-118	
1,2-Dichloropropane	mg/kg	.05	0.055	110	76-122	
Benzene	mg/kg	.05	0.051	102	75-119	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

LABORATORY CONTROL SAMPLE: 1846586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	mg/kg	.05	0.049	98	75-114	
Chloroform	mg/kg	.05	0.050	101	71-114	
cis-1,2-Dichloroethene	mg/kg	.05	0.053	105	79-121	
Ethylbenzene	mg/kg	.05	0.049	98	73-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.050	99	72-122	
Methyl-tert-butyl ether	mg/kg	.05	0.055	109	74-121	
Naphthalene	mg/kg	.05	0.050	100	65-122	
Tetrachloroethene	mg/kg	.05	0.049	97	68-120	
Toluene	mg/kg	.05	0.050	100	71-114	
trans-1,2-Dichloroethene	mg/kg	.05	0.053	106	76-125	
Trichloroethene	mg/kg	.05	0.053	107	77-115	
Vinyl chloride	mg/kg	.05	0.057	114	66-139	
Xylene (Total)	mg/kg	.15	0.14	97	71-119	
4-Bromofluorobenzene (S)	%			101	51-142	
Dibromofluoromethane (S)	%			98	69-136	
Toluene-d8 (S)	%			102	64-150	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

QC Batch: 401844 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 50177414017, 50177414019, 50177414022, 50177414025

METHOD BLANK: 1849608 Matrix: Solid  
Associated Lab Samples: 50177414017, 50177414019, 50177414022, 50177414025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
1,1-Dichloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
1,1-Dichloroethene	mg/kg	ND	0.0050	08/16/17 15:32	
1,1-Dichloropropene	mg/kg	ND	0.0050	08/16/17 15:32	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	08/16/17 15:32	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	08/16/17 15:32	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1,2-Dichloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
1,2-Dichloropropane	mg/kg	ND	0.0050	08/16/17 15:32	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1,3-Dichloropropane	mg/kg	ND	0.0050	08/16/17 15:32	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
1-Methylnaphthalene	mg/kg	ND	0.010	08/16/17 15:32	N2
2,2-Dichloropropane	mg/kg	ND	0.0050	08/16/17 15:32	
2-Butanone (MEK)	mg/kg	ND	0.025	08/16/17 15:32	
2-Chlorotoluene	mg/kg	ND	0.0050	08/16/17 15:32	
2-Hexanone	mg/kg	ND	0.10	08/16/17 15:32	
2-Methylnaphthalene	mg/kg	ND	0.010	08/16/17 15:32	
4-Chlorotoluene	mg/kg	ND	0.0050	08/16/17 15:32	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	08/16/17 15:32	
Acetone	mg/kg	ND	0.10	08/16/17 15:32	
Acrolein	mg/kg	ND	0.10	08/16/17 15:32	
Acrylonitrile	mg/kg	ND	0.10	08/16/17 15:32	
Benzene	mg/kg	ND	0.0050	08/16/17 15:32	
Bromobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
Bromochloromethane	mg/kg	ND	0.0050	08/16/17 15:32	
Bromodichloromethane	mg/kg	ND	0.0050	08/16/17 15:32	
Bromoform	mg/kg	ND	0.0050	08/16/17 15:32	
Bromomethane	mg/kg	ND	0.0050	08/16/17 15:32	
Carbon disulfide	mg/kg	ND	0.010	08/16/17 15:32	
Carbon tetrachloride	mg/kg	ND	0.0050	08/16/17 15:32	
Chlorobenzene	mg/kg	ND	0.0050	08/16/17 15:32	
Chloroethane	mg/kg	ND	0.0050	08/16/17 15:32	
Chloroform	mg/kg	ND	0.0050	08/16/17 15:32	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

METHOD BLANK: 1849608

Matrix: Solid

Associated Lab Samples: 50177414017, 50177414019, 50177414022, 50177414025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	mg/kg	ND	0.0050	08/16/17 15:32	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	08/16/17 15:32	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	08/16/17 15:32	
Dibromochloromethane	mg/kg	ND	0.0050	08/16/17 15:32	
Dibromomethane	mg/kg	ND	0.0050	08/16/17 15:32	
Dichlorodifluoromethane	mg/kg	ND	0.0050	08/16/17 15:32	
Ethyl methacrylate	mg/kg	ND	0.10	08/16/17 15:32	
Ethylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	08/16/17 15:32	
Iodomethane	mg/kg	ND	0.10	08/16/17 15:32	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	08/16/17 15:32	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	08/16/17 15:32	
Methylene Chloride	mg/kg	ND	0.020	08/16/17 15:32	
n-Butylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
n-Hexane	mg/kg	ND	0.0050	08/16/17 15:32	
n-Propylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
Naphthalene	mg/kg	ND	0.0050	08/16/17 15:32	
p-Isopropyltoluene	mg/kg	ND	0.0050	08/16/17 15:32	
sec-Butylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
Styrene	mg/kg	ND	0.0050	08/16/17 15:32	
tert-Butylbenzene	mg/kg	ND	0.0050	08/16/17 15:32	
Tetrachloroethene	mg/kg	ND	0.0050	08/16/17 15:32	
Toluene	mg/kg	ND	0.0050	08/16/17 15:32	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	08/16/17 15:32	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	08/16/17 15:32	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	08/16/17 15:32	
Trichloroethene	mg/kg	ND	0.0050	08/16/17 15:32	
Trichlorofluoromethane	mg/kg	ND	0.0050	08/16/17 15:32	
Vinyl acetate	mg/kg	ND	0.10	08/16/17 15:32	
Vinyl chloride	mg/kg	ND	0.0050	08/16/17 15:32	
Xylene (Total)	mg/kg	ND	0.010	08/16/17 15:32	
4-Bromofluorobenzene (S)	%	105	51-142	08/16/17 15:32	
Dibromofluoromethane (S)	%	113	69-136	08/16/17 15:32	
Toluene-d8 (S)	%	99	64-150	08/16/17 15:32	

LABORATORY CONTROL SAMPLE: 1849609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.057	113	72-126	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.052	105	68-125	
1,1-Dichloroethene	mg/kg	.05	0.055	111	70-132	
1,2,4-Trimethylbenzene	mg/kg	.05	0.051	102	70-118	
1,2-Dichloropropane	mg/kg	.05	0.056	112	76-122	
Benzene	mg/kg	.05	0.054	107	75-119	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

LABORATORY CONTROL SAMPLE: 1849609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	mg/kg	.05	0.050	100	75-114	
Chloroform	mg/kg	.05	0.052	105	71-114	
cis-1,2-Dichloroethene	mg/kg	.05	0.053	107	79-121	
Ethylbenzene	mg/kg	.05	0.050	101	73-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.052	104	72-122	
Methyl-tert-butyl ether	mg/kg	.05	0.055	109	74-121	
Naphthalene	mg/kg	.05	0.048	95	65-122	
Tetrachloroethene	mg/kg	.05	0.050	100	68-120	
Toluene	mg/kg	.05	0.051	102	71-114	
trans-1,2-Dichloroethene	mg/kg	.05	0.055	110	76-125	
Trichloroethene	mg/kg	.05	0.054	109	77-115	
Vinyl chloride	mg/kg	.05	0.058	115	66-139	
Xylene (Total)	mg/kg	.15	0.15	100	71-119	
4-Bromofluorobenzene (S)	%			100	51-142	
Dibromofluoromethane (S)	%			96	69-136	
Toluene-d8 (S)	%			101	64-150	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

QC Batch: 400850 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM  
 Associated Lab Samples: 50177414001, 50177414003, 50177414004, 50177414005, 50177414006, 50177414007, 50177414008, 50177414009, 50177414010, 50177414011, 50177414012

METHOD BLANK: 1845575 Matrix: Solid  
 Associated Lab Samples: 50177414001, 50177414003, 50177414004, 50177414005, 50177414006, 50177414007, 50177414008, 50177414009, 50177414010, 50177414011, 50177414012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	08/11/17 20:38	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	08/11/17 20:38	
Acenaphthene	mg/kg	ND	0.0050	08/11/17 20:38	
Acenaphthylene	mg/kg	ND	0.0050	08/11/17 20:38	
Anthracene	mg/kg	ND	0.0050	08/11/17 20:38	
Benzo(a)anthracene	mg/kg	ND	0.0050	08/11/17 20:38	
Benzo(a)pyrene	mg/kg	ND	0.0050	08/11/17 20:38	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	08/11/17 20:38	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	08/11/17 20:38	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	08/11/17 20:38	
Chrysene	mg/kg	ND	0.0050	08/11/17 20:38	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	08/11/17 20:38	
Fluoranthene	mg/kg	ND	0.0050	08/11/17 20:38	
Fluorene	mg/kg	ND	0.0050	08/11/17 20:38	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	08/11/17 20:38	
Naphthalene	mg/kg	ND	0.0050	08/11/17 20:38	
Phenanthrene	mg/kg	ND	0.0050	08/11/17 20:38	
Pyrene	mg/kg	ND	0.0050	08/11/17 20:38	
2-Fluorobiphenyl (S)	%	68	30-94	08/11/17 20:38	
p-Terphenyl-d14 (S)	%	88	27-102	08/11/17 20:38	

LABORATORY CONTROL SAMPLE: 1845576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.24	71	38-105	N2
2-Methylnaphthalene	mg/kg	.33	0.22	66	38-104	
Acenaphthene	mg/kg	.33	0.21	63	39-108	
Acenaphthylene	mg/kg	.33	0.21	62	39-108	
Anthracene	mg/kg	.33	0.24	73	41-119	
Benzo(a)anthracene	mg/kg	.33	0.28	83	42-125	
Benzo(a)pyrene	mg/kg	.33	0.23	68	33-143	
Benzo(b)fluoranthene	mg/kg	.33	0.22	65	31-143	
Benzo(g,h,i)perylene	mg/kg	.33	0.20	59	34-138	
Benzo(k)fluoranthene	mg/kg	.33	0.20	61	32-140	
Chrysene	mg/kg	.33	0.27	80	44-121	
Dibenz(a,h)anthracene	mg/kg	.33	0.22	65	32-144	
Fluoranthene	mg/kg	.33	0.25	74	42-122	
Fluorene	mg/kg	.33	0.22	67	40-114	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

LABORATORY CONTROL SAMPLE: 1845576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.21	63	33-142	
Naphthalene	mg/kg	.33	0.21	64	37-101	
Phenanthrene	mg/kg	.33	0.22	66	40-116	
Pyrene	mg/kg	.33	0.25	75	43-121	
2-Fluorobiphenyl (S)	%			66	30-94	
p-Terphenyl-d14 (S)	%			80	27-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1845577 1845578

Parameter	Units	50177311020		1845577		1845578		% Rec Limits	Max RPD	Qual		
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				MSD % Rec	
1-Methylnaphthalene	mg/kg	ND	.36	.36	0.26	0.25	71	67	14-124	5	20	N2
2-Methylnaphthalene	mg/kg	ND	.36	.36	0.24	0.23	67	64	13-123	4	20	
Acenaphthene	mg/kg	ND	.36	.36	0.23	0.22	63	59	20-120	5	20	
Acenaphthylene	mg/kg	ND	.36	.36	0.22	0.21	61	58	22-116	4	20	
Anthracene	mg/kg	ND	.36	.36	0.24	0.23	66	62	19-128	4	20	
Benzo(a)anthracene	mg/kg	ND	.36	.36	0.25	0.23	68	64	16-134	5	20	
Benzo(a)pyrene	mg/kg	ND	.36	.36	0.19	0.18	52	49	10-148	5	20	
Benzo(b)fluoranthene	mg/kg	ND	.36	.36	0.19	0.18	53	48	10-148	9	20	
Benzo(g,h,i)perylene	mg/kg	ND	.36	.36	0.15	0.14	42	39	10-141	6	20	
Benzo(k)fluoranthene	mg/kg	ND	.36	.36	0.16	0.15	44	41	10-146	5	20	
Chrysene	mg/kg	ND	.36	.36	0.24	0.22	65	60	15-133	6	20	
Dibenz(a,h)anthracene	mg/kg	ND	.36	.36	0.18	0.17	49	46	10-142	6	20	
Fluoranthene	mg/kg	ND	.36	.36	0.23	0.22	63	59	13-135	5	20	
Fluorene	mg/kg	ND	.36	.36	0.24	0.22	66	61	21-125	7	20	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.36	.36	0.17	0.16	46	43	10-143	5	20	
Naphthalene	mg/kg	ND	.36	.36	0.25	0.24	68	65	12-123	3	20	
Phenanthrene	mg/kg	ND	.36	.36	0.22	0.21	61	58	13-133	5	20	
Pyrene	mg/kg	ND	.36	.36	0.24	0.22	64	61	11-137	5	20	
2-Fluorobiphenyl (S)	%						62	60	30-94			
p-Terphenyl-d14 (S)	%						66	62	27-102			

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

QC Batch: 400904      Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546      Analysis Description: 8270 MSSV PAH by SIM  
Associated Lab Samples: 50177414002, 50177414013, 50177414014, 50177414015, 50177414016, 50177414017, 50177414018, 50177414019, 50177414020, 50177414021, 50177414022, 50177414023, 50177414024, 50177414025, 50177414026, 50177414027, 50177414028, 50177414029

METHOD BLANK: 1845658      Matrix: Solid  
Associated Lab Samples: 50177414002, 50177414013, 50177414014, 50177414015, 50177414016, 50177414017, 50177414018, 50177414019, 50177414020, 50177414021, 50177414022, 50177414023, 50177414024, 50177414025, 50177414026, 50177414027, 50177414028, 50177414029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	08/14/17 12:22	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	08/14/17 12:22	
Acenaphthene	mg/kg	ND	0.0050	08/14/17 12:22	
Acenaphthylene	mg/kg	ND	0.0050	08/14/17 12:22	
Anthracene	mg/kg	ND	0.0050	08/14/17 12:22	
Benzo(a)anthracene	mg/kg	ND	0.0050	08/14/17 12:22	
Benzo(a)pyrene	mg/kg	ND	0.0050	08/14/17 12:22	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	08/14/17 12:22	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	08/14/17 12:22	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	08/14/17 12:22	
Chrysene	mg/kg	ND	0.0050	08/14/17 12:22	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	08/14/17 12:22	
Fluoranthene	mg/kg	ND	0.0050	08/14/17 12:22	
Fluorene	mg/kg	ND	0.0050	08/14/17 12:22	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	08/14/17 12:22	
Naphthalene	mg/kg	ND	0.0050	08/14/17 12:22	
Phenanthrene	mg/kg	ND	0.0050	08/14/17 12:22	
Pyrene	mg/kg	ND	0.0050	08/14/17 12:22	
2-Fluorobiphenyl (S)	%	69	30-94	08/14/17 12:22	
p-Terphenyl-d14 (S)	%	86	27-102	08/14/17 12:22	

LABORATORY CONTROL SAMPLE: 1845659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.26	78	38-105	N2
2-Methylnaphthalene	mg/kg	.33	0.24	73	38-104	
Acenaphthene	mg/kg	.33	0.23	70	39-108	
Acenaphthylene	mg/kg	.33	0.23	68	39-108	
Anthracene	mg/kg	.33	0.26	78	41-119	
Benzo(a)anthracene	mg/kg	.33	0.29	87	42-125	
Benzo(a)pyrene	mg/kg	.33	0.24	73	33-143	
Benzo(b)fluoranthene	mg/kg	.33	0.23	68	31-143	
Benzo(g,h,i)perylene	mg/kg	.33	0.21	64	34-138	
Benzo(k)fluoranthene	mg/kg	.33	0.22	67	32-140	
Chrysene	mg/kg	.33	0.29	86	44-121	
Dibenz(a,h)anthracene	mg/kg	.33	0.22	66	32-144	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

LABORATORY CONTROL SAMPLE: 1845659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	mg/kg	.33	0.26	79	42-122	
Fluorene	mg/kg	.33	0.25	74	40-114	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.22	66	33-142	
Naphthalene	mg/kg	.33	0.23	70	37-101	
Phenanthrene	mg/kg	.33	0.24	73	40-116	
Pyrene	mg/kg	.33	0.27	82	43-121	
2-Fluorobiphenyl (S)	%			67	30-94	
p-Terphenyl-d14 (S)	%			80	27-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1845660 1845661

Parameter	Units	50177414002		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec	RPD		RPD		
1-Methylnaphthalene	mg/kg	ND	.4	.4	0.24	0.18	60	45	14-124	30	20	N2,R1	
2-Methylnaphthalene	mg/kg	ND	.4	.4	0.22	0.17	55	41	13-123	29	20	R1	
Acenaphthene	mg/kg	ND	.4	.4	0.19	0.14	48	34	20-120	35	20	R1	
Acenaphthylene	mg/kg	ND	.4	.4	0.20	0.14	50	35	22-116	36	20	R1	
Anthracene	mg/kg	ND	.4	.4	0.17	0.12	42	29	19-128	35	20	R1	
Benzo(a)anthracene	mg/kg	ND	.4	.4	0.15	0.11	37	26	16-134	34	20	R1	
Benzo(a)pyrene	mg/kg	ND	.4	.4	0.11	0.085	28	21	10-148	30	20	R1	
Benzo(b)fluoranthene	mg/kg	ND	.4	.4	0.10	0.073	26	18	10-148	36	20	R1	
Benzo(g,h,i)perylene	mg/kg	ND	.4	.4	0.094	0.072	23	18	10-141	27	20	R1	
Benzo(k)fluoranthene	mg/kg	ND	.4	.4	0.11	0.084	27	21	10-146	26	20	R1	
Chrysene	mg/kg	ND	.4	.4	0.16	0.12	39	30	15-133	26	20	R1	
Dibenz(a,h)anthracene	mg/kg	ND	.4	.4	0.11	0.087	27	21	10-142	25	20	R1	
Fluoranthene	mg/kg	ND	.4	.4	0.15	0.094	36	24	13-135	43	20	R1	
Fluorene	mg/kg	ND	.4	.4	0.19	0.13	46	32	21-125	37	20	R1	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.4	.4	0.099	0.075	24	18	10-143	28	20	R1	
Naphthalene	mg/kg	ND	.4	.4	0.25	0.20	62	50	12-123	22	20	R1	
Phenanthrene	mg/kg	ND	.4	.4	0.16	0.11	40	27	13-133	39	20	R1	
Pyrene	mg/kg	ND	.4	.4	0.15	0.10	37	25	11-137	41	20	R1	
2-Fluorobiphenyl (S)	%						57	42	30-94				
p-Terphenyl-d14 (S)	%						46	34	27-102				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1845662 1845663

Parameter	Units	50177414016		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec	RPD		RPD		
1-Methylnaphthalene	mg/kg	ND	.36	.36	0.27	0.29	73	80	14-124	8	20	N2	
2-Methylnaphthalene	mg/kg	ND	.36	.36	0.25	0.28	68	78	13-123	12	20		
Acenaphthene	mg/kg	ND	.36	.36	0.23	0.24	64	67	20-120	4	20		
Acenaphthylene	mg/kg	ND	.36	.36	0.23	0.24	63	67	22-116	4	20		
Anthracene	mg/kg	ND	.36	.36	0.25	0.27	69	75	19-128	8	20		
Benzo(a)anthracene	mg/kg	ND	.36	.36	0.28	0.31	76	87	16-134	12	20		

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Parameter	Units	1845662		1845663		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		50177414016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzo(a)pyrene	mg/kg	ND	.36	.36	0.21	0.24	58	67	10-148	13	20		
Benzo(b)fluoranthene	mg/kg	ND	.36	.36	0.19	0.23	53	65	10-148	19	20		
Benzo(g,h,i)perylene	mg/kg	ND	.36	.36	0.17	0.21	47	57	10-141	18	20		
Benzo(k)fluoranthene	mg/kg	ND	.36	.36	0.19	0.22	53	60	10-146	12	20		
Chrysene	mg/kg	ND	.36	.36	0.27	0.30	72	82	15-133	12	20		
Dibenz(a,h)anthracene	mg/kg	ND	.36	.36	0.19	0.22	52	62	10-142	16	20		
Fluoranthene	mg/kg	ND	.36	.36	0.26	0.28	70	77	13-135	9	20		
Fluorene	mg/kg	ND	.36	.36	0.25	0.26	69	72	21-125	4	20		
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.36	.36	0.18	0.22	50	61	10-143	18	20		
Naphthalene	mg/kg	ND	.36	.36	0.24	0.25	67	69	12-123	3	20		
Phenanthrene	mg/kg	ND	.36	.36	0.24	0.26	66	72	13-133	8	20		
Pyrene	mg/kg	ND	.36	.36	0.26	0.29	72	80	11-137	10	20		
2-Fluorobiphenyl (S)	%						65	69	30-94				
p-Terphenyl-d14 (S)	%						68	82	27-102				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

---

QC Batch:	400983	Analysis Method:	SM 2540G
QC Batch Method:	SM 2540G	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	50177414001		

---

SAMPLE DUPLICATE: 1845987

Parameter	Units	50177311020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.3	8.8	6	5	R1

---

SAMPLE DUPLICATE: 1845988

Parameter	Units	50177414001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.2	5.8	6	5	R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

QC Batch: 401308

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50177414002, 50177414003, 50177414004, 50177414005, 50177414006, 50177414007, 50177414008, 50177414009, 50177414010, 50177414011, 50177414012, 50177414013, 50177414014

SAMPLE DUPLICATE: 1847402

Parameter	Units	50177414002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.0	18.9	5	5	

SAMPLE DUPLICATE: 1847403

Parameter	Units	50177593005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.0	12.6	4	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

---

QC Batch: 401309 Analysis Method: SM 2540G  
 QC Batch Method: SM 2540G Analysis Description: Dry Weight/Percent Moisture  
 Associated Lab Samples: 50177414015, 50177414016, 50177414017, 50177414018, 50177414019, 50177414020, 50177414021,  
 50177414022, 50177414023, 50177414024, 50177414025, 50177414026, 50177414027, 50177414028,  
 50177414029

---

SAMPLE DUPLICATE: 1847404

Parameter	Units	50177414016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.9	9.1	2	5	

---

SAMPLE DUPLICATE: 1847405

Parameter	Units	50177429003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.4	18.4	0	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

### ANALYTE QUALIFIERS

1d Compound results may be biased high due to vial contamination. grm 8-16-17  
2d Compound results may be biased high due to vial contamination. grm 8-17-17  
ED Due to the extract's physical characteristics, the analysis was performed at dilution.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.  
N2 The lab does not hold NELAC/TNI accreditation for this parameter.  
P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.  
R1 RPD value was outside control limits.  
RS The RPD value in one of the constituent analytes was outside the control limits.  
S1 Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177414

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177414001	RE-SB-SB-12 (002004)	EPA 3050	401636	EPA 6010	402205
50177414003	RE-SB-SB-21 (002004)	EPA 3050	401636	EPA 6010	402205
50177414005	RE-SB-SB-22 (002004)	EPA 3050	401636	EPA 6010	402205
50177414007	RE-SB-SB-24 (002004)	EPA 3050	401636	EPA 6010	402205
50177414009	RE-SB-SB-25 (002004)	EPA 3050	401636	EPA 6010	402205
50177414011	RE-SB-SB-26 (002004)	EPA 3050	401636	EPA 6010	402205
50177414013	RE-SB-SB-27 (002004)	EPA 3050	401636	EPA 6010	402205
50177414015	RE-SB-SB-28 (002004)	EPA 3050	401636	EPA 6010	402205
50177414017	RE-SB-SB-29 (002004)	EPA 3050	401636	EPA 6010	402205
50177414019	RE-SB-SB-31 (002004)	EPA 3050	401105	EPA 6010	401728
50177414021	RE-SB-SB-32 (002004)	EPA 3050	401105	EPA 6010	401728
50177414023	RE-SB-SB-33 (002004)	EPA 3050	401105	EPA 6010	401728
50177414025	RE-SB-SB-34 (002004)	EPA 3050	401105	EPA 6010	401728
50177414001	RE-SB-SB-12 (002004)	EPA 7471	401600	EPA 7471	401801
50177414003	RE-SB-SB-21 (002004)	EPA 7471	401600	EPA 7471	401801
50177414005	RE-SB-SB-22 (002004)	EPA 7471	401600	EPA 7471	401801
50177414007	RE-SB-SB-24 (002004)	EPA 7471	401600	EPA 7471	401801
50177414009	RE-SB-SB-25 (002004)	EPA 7471	401600	EPA 7471	401801
50177414011	RE-SB-SB-26 (002004)	EPA 7471	401600	EPA 7471	401801
50177414013	RE-SB-SB-27 (002004)	EPA 7471	401600	EPA 7471	401801
50177414015	RE-SB-SB-28 (002004)	EPA 7471	401600	EPA 7471	401801
50177414017	RE-SB-SB-29 (002004)	EPA 7471	401600	EPA 7471	401801
50177414019	RE-SB-SB-31 (002004)	EPA 7471	401600	EPA 7471	401801
50177414021	RE-SB-SB-32 (002004)	EPA 7471	401600	EPA 7471	401801
50177414023	RE-SB-SB-33 (002004)	EPA 7471	401600	EPA 7471	401801
50177414025	RE-SB-SB-34 (002004)	EPA 7471	401600	EPA 7471	401801
50177414001	RE-SB-SB-12 (002004)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414002	RE-SB-SB-12 (013015)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414003	RE-SB-SB-21 (002004)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414004	RE-SB-SB-21 (013015)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414005	RE-SB-SB-22 (002004)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414006	RE-SB-SB-22 (014016)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414007	RE-SB-SB-24 (002004)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414008	RE-SB-SB-24 (016018)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414009	RE-SB-SB-25 (002004)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414010	RE-SB-SB-25 (016018)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414011	RE-SB-SB-26 (002004)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414012	RE-SB-SB-26 (016018)	EPA 3546	400850	EPA 8270 by SIM	400887
50177414013	RE-SB-SB-27 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414014	RE-SB-SB-27 (016018)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414015	RE-SB-SB-28 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414016	RE-SB-SB-28 (016018)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414017	RE-SB-SB-29 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414018	RE-SB-SB-29 (014016)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414019	RE-SB-SB-31 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414020	RE-SB-SB-31 (014016)	EPA 3546	400904	EPA 8270 by SIM	401140

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177414021	RE-SB-SB-32 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414022	RE-SB-SB-32 (010012)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414023	RE-SB-SB-33 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414024	RE-SB-SB-33 (016018)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414025	RE-SB-SB-34 (002004)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414026	RE-SB-SB-34 (014016)	EPA 3546	400904	EPA 8270 by SIM	401140
50177414027	RE-SB-FD-1	EPA 3546	400904	EPA 8270 by SIM	401140
50177414028	RE-SB-FD-2	EPA 3546	400904	EPA 8270 by SIM	401140
50177414029	RE-SB-FD-3	EPA 3546	400904	EPA 8270 by SIM	401140
50177414001	RE-SB-SB-12 (002004)	EPA 8260	401070		
50177414002	RE-SB-SB-12 (013015)	EPA 8260	401070		
50177414003	RE-SB-SB-21 (002004)	EPA 8260	401070		
50177414004	RE-SB-SB-21 (013015)	EPA 8260	401070		
50177414005	RE-SB-SB-22 (002004)	EPA 8260	401070		
50177414006	RE-SB-SB-22 (014016)	EPA 8260	401070		
50177414007	RE-SB-SB-24 (002004)	EPA 8260	401070		
50177414008	RE-SB-SB-24 (016018)	EPA 8260	401070		
50177414009	RE-SB-SB-25 (002004)	EPA 8260	401070		
50177414010	RE-SB-SB-25 (016018)	EPA 8260	401070		
50177414011	RE-SB-SB-26 (002004)	EPA 8260	401070		
50177414012	RE-SB-SB-26 (016018)	EPA 8260	401070		
50177414013	RE-SB-SB-27 (002004)	EPA 8260	401071		
50177414014	RE-SB-SB-27 (016018)	EPA 8260	401071		
50177414015	RE-SB-SB-28 (002004)	EPA 8260	401071		
50177414016	RE-SB-SB-28 (016018)	EPA 8260	401071		
50177414017	RE-SB-SB-29 (002004)	EPA 8260	401844		
50177414018	RE-SB-SB-29 (014016)	EPA 8260	401071		
50177414019	RE-SB-SB-31 (002004)	EPA 8260	401844		
50177414020	RE-SB-SB-31 (014016)	EPA 8260	401071		
50177414021	RE-SB-SB-32 (002004)	EPA 8260	401071		
50177414022	RE-SB-SB-32 (010012)	EPA 8260	401844		
50177414023	RE-SB-SB-33 (002004)	EPA 8260	401071		
50177414024	RE-SB-SB-33 (016018)	EPA 8260	401071		
50177414025	RE-SB-SB-34 (002004)	EPA 8260	401844		
50177414026	RE-SB-SB-34 (014016)	EPA 8260	401071		
50177414027	RE-SB-FD-1	EPA 8260	401071		
50177414028	RE-SB-FD-2	EPA 8260	401071		
50177414029	RE-SB-FD-3	EPA 8260	401083		
50177414030	Trip Blank	EPA 8260	401083		
50177414001	RE-SB-SB-12 (002004)	SM 2540G	400983		
50177414002	RE-SB-SB-12 (013015)	SM 2540G	401308		
50177414003	RE-SB-SB-21 (002004)	SM 2540G	401308		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177414

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177414004	RE-SB-SB-21 (013015)	SM 2540G	401308		
50177414005	RE-SB-SB-22 (002004)	SM 2540G	401308		
50177414006	RE-SB-SB-22 (014016)	SM 2540G	401308		
50177414007	RE-SB-SB-24 (002004)	SM 2540G	401308		
50177414008	RE-SB-SB-24 (016018)	SM 2540G	401308		
50177414009	RE-SB-SB-25 (002004)	SM 2540G	401308		
50177414010	RE-SB-SB-25 (016018)	SM 2540G	401308		
50177414011	RE-SB-SB-26 (002004)	SM 2540G	401308		
50177414012	RE-SB-SB-26 (016018)	SM 2540G	401308		
50177414013	RE-SB-SB-27 (002004)	SM 2540G	401308		
50177414014	RE-SB-SB-27 (016018)	SM 2540G	401308		
50177414015	RE-SB-SB-28 (002004)	SM 2540G	401309		
50177414016	RE-SB-SB-28 (016018)	SM 2540G	401309		
50177414017	RE-SB-SB-29 (002004)	SM 2540G	401309		
50177414018	RE-SB-SB-29 (014016)	SM 2540G	401309		
50177414019	RE-SB-SB-31 (002004)	SM 2540G	401309		
50177414020	RE-SB-SB-31 (014016)	SM 2540G	401309		
50177414021	RE-SB-SB-32 (002004)	SM 2540G	401309		
50177414022	RE-SB-SB-32 (010012)	SM 2540G	401309		
50177414023	RE-SB-SB-33 (002004)	SM 2540G	401309		
50177414024	RE-SB-SB-33 (016018)	SM 2540G	401309		
50177414025	RE-SB-SB-34 (002004)	SM 2540G	401309		
50177414026	RE-SB-SB-34 (014016)	SM 2540G	401309		
50177414027	RE-SB-FD-1	SM 2540G	401309		
50177414028	RE-SB-FD-2	SM 2540G	401309		
50177414029	RE-SB-FD-3	SM 2540G	401309		

### REPORT OF LABORATORY ANALYSIS

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**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information:  
Company: HENRIANO ENV.  
Address: 3700 MISHAWAKA AVE.  
South River, Pa 46618  
Email To: pace@henrianoenv.com  
Phone: 317-771-2019 Fax:  
Requested Due Date(TAT): 5/10/17

**Section B** Required Project Information:  
Report To: Ryan D.  
Copy To:  
Purchase Order No.:  
Project Name: Palace for Electronics - Palace B  
Project Number:

**Section C** Invoice Information:  
Attention:  
Company Name:  
Address:  
Pace Quote Reference:  
Pace Project Manager:  
Pace Profile #:

Pages: 1 of 3  
2194019

REGULATORY AGENCY  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location STATE: IN

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test (Y/N)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB							
1	Re-SB-SB-1A (002004)	DW Drinking Water	SL G	8/17/17	14:00	14:00	0	Unpreserved	X	X	X	001
2	Re-SB-SB-1B (002015)	WT Water		8/17/17	14:25	14:25	0	H2SO4	X	X	X	002
3	Re-SB-SB-21 (002001)	WW Waste Water		8/17/17	13:27	13:27	0	HNO3	X	X	X	003
4	Re-SB-SB-21 (013015)	P Product			13:50	13:50	0	HCl	X	X	X	004
5	Re-SB-SB-2A (002001)	SL Soil/Solid			12:41	12:41	0	NaOH	X	X	X	005
6	Re-SB-SB-2A (014016)	OL Oil		8/17/17	15:26	15:26	0	H2SO4	X	X	X	006
7	Re-SB-SB-24 (002001)	WP Wipe			15:51	15:51	0	Unpreserved	X	X	X	007
8	Re-SB-SB-24 (016018)	AR Air			18:45	18:45	0	Other	X	X	X	008
9	Re-SB-SB-25 (002001)	TS Tissue			14:53	14:53	0	Methanol	X	X	X	009
10	Re-SB-SB-25 (016018)	OT Other		8/17/17	8:53	8:53	0	Other	X	X	X	010
11	Re-SB-SB-26 (002001)				9:10	9:10	0					011
12	Re-SB-SB-26 (016018)						0					012

**ADDITIONAL COMMENTS**  
(Re-SB-) not on sample labels  
Palace for Electronics - Palace B

**RELINQUISHED BY / AFFILIATION**  
Ryan D. Pace  
8/10/17 12:35

**ACCEPTED BY / AFFILIATION**  
Ryan D. Pace  
8/10/17 10:30

**DATE**  
8/10/17 10:30

**TIME**  
10:30

**DATE**  
8/10/17 12:35

**TIME**  
12:35

**TEMP IN °C**  
1030

**RECEIVED ON**  
SEE SLIPS

**CUSTODY**  
Sealed Cooler

**ICE (Y/N)**  
SEE SLIPS

**SAMPLES INJECT (Y/N)**  
SEE SLIPS

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: Ryan D. Pace  
SIGNATURE of SAMPLER: Ryan D. Pace

**DATE SIGNED (MM/DD/YY):** 8/10/17

**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information:  
Company: Shore AS PAGE Report To:                       
Address:                      Copy To:                     

**Section B** Required Project Information:  
Purchase Order No.:                       
Project Name: Lab for Electronics - Pakel B  
Requested Due Date/TAT:                     

**Section C** Invoice Information:  
Attention:                       
Company Name:                       
Address:                       
Pace Quote Reference:                       
Pace Project Manager:                       
Pace Profile #:                     

**Section D** Required Client Information:  
Matrix Codes MATRIX / CODE:  
Drinking Water DW  
Water WT  
Waste Water WW  
Product P  
Soil/Solid SL  
Oil OL  
Wipe WP  
Air AR  
Tissue TS  
Other OT

**SAMPLE ID**  
(A-Z, 0-9 / -)  
Sample IDs MUST BE UNIQUE

Page: 2 of 3  
2194022

REGULATORY AGENCY  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location STATE:                     

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB							
1	Re-SB-SB-27 (002004)	SL	G	9/6/17	9:52		4		X			013
2	Re-SB-SB-27 (016018)	SL	G	10-28	11:31		4		X			014
3	Re-SB-SB-28 (002004)	SL	G	11-12	11:30		12		X			015
4	Re-SB-SB-28 (016018)	SL	G	11-27	11:30		4		X			016
5	Re-SB-SB-29 (002004)	SL	G	13-11	13:05		4		X			017
6	Re-SB-SB-29 (016018)	SL	G	13-11	13:05		4		X			018
7	Re-SB-SB-31 (002004)	SL	G	14-17	14:08		4		X			019
8	Re-SB-SB-31 (016018)	SL	G	15-37	15:37		4		X			020
9	Re-SB-SB-32 (002004)	SL	G	15-35	15:35		4		X			021
10	Re-SB-SB-32 (016018)	SL	G				4		X			022
11	Re-SB-SB-33 (002004)	SL	G				4		X			023
12	Re-SB-SB-33 (016018)	SL	G				4		X			024

**ADDITIONAL COMMENTS**  
Relinquished by Affiliation:                      Date: 8/10/17 Time: 10:30  
Accepted by Affiliation:                      Date: 8/10/17 Time: 10:50

**Temp In °C**  
                    

**Received on Ice (Y/N)**  
                    

**Custody Sealed Cooler (Y/N)**  
                    

**Samples Intact (Y/N)**  
                    

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: Ryan O'Connell  
SIGNATURE of SAMPLER: Ryan O'Connell  
DATE Signed (MM/DD/YY): 8/10/17

ORIGINAL 1-4-02  
6.0.2

Page 132 of 137



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **3** of **3**

**2194023**

REGULATORY AGENCY  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location  
 STATE: \_\_\_\_\_

**Section A**  
 Required Client Information:  
 Company: **SOME AS PAGE 1**  
 Address: \_\_\_\_\_  
 Email To: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Requested Due Date/TAT: \_\_\_\_\_

**Section B**  
 Required Project Information:  
 Report To: \_\_\_\_\_  
 Copy To: \_\_\_\_\_  
 Purchase Order No.: \_\_\_\_\_  
 Project Name: **Palmer Lea Electronics - PALMER B**  
 Project Number: \_\_\_\_\_

**Section C**  
 Invoice Information:  
 Attention: \_\_\_\_\_  
 Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Pace Quote Reference: \_\_\_\_\_  
 Pace Project Manager: \_\_\_\_\_  
 Pace Profile #: \_\_\_\_\_

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives	Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
			COMPOSITE START	COMPOSITE END/GRAB										
1	Re-SB-34 (002004)	DW WT WW P SL OL WP AR TS OT	8/9/12	10:33	G	SL	4	Unpreserved	X					
2	Re-SB-34 (01016)		8/9/12	14:25			4		X					
3	Re-SB-FA-1		8/9/12				4		X					
4	Re-SB-FA-2		8/9/12				4		X					
5	Re-SB-FA-3		8/9/12				4		X					

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives	Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
			COMPOSITE START	COMPOSITE END/GRAB										
1	Re-SB-34 (002004)	DW WT WW P SL OL WP AR TS OT	8/9/12	10:33	G	SL	4	Unpreserved	X					
2	Re-SB-34 (01016)		8/9/12	14:25			4		X					
3	Re-SB-FA-1		8/9/12				4		X					
4	Re-SB-FA-2		8/9/12				4		X					
5	Re-SB-FA-3		8/9/12				4		X					

**ADDITIONAL COMMENTS**

RELINQUISHED BY / AFFILIATION: **Ryan O'Connell / Pace** DATE: **8/10/12** TIME: **12:35**

ACCEPTED BY / AFFILIATION: **John S. ... / Pace** DATE: **8/10/12** TIME: **10:30**

**ORIGINAL 10/20**

**PRINT Name of SAMPLER: Ryan O'Connell**

**SIGNATURE of SAMPLER: Ryan O'Connell**

**DATE Signed (MM/DD/YYYY): 08/10/12**

**Sample Condition Upon Receipt**



Project # 50177414

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer 1 2 3 4 5 6 7 8 9 10 11 12 A B C D E F Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1.0°C / 1.0°C Ice Visible in Sample Containers:  yes  no  
(Initial/Corrected) Temp should be above freezing to 6°C

Date/Time and Initials of person examining contents: 8/10/17 1250 RNP Comments

Are samples from West Virginia? Document any containers out of temp.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1.	
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	2.	
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No	3.	
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.	<u>TC</u> Date/Time 5035A TIC placed in Freezer: <u>8/10/17 1319</u> Short Holds Taken to Lab: _____
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.	
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Sample Labels match COC: -Includes date/time/ID/Analysis	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	<u>Samples do not have date and time "RE-SB" not on samples</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	(Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		9.	Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		10.	Present Absent
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Headspace Wisconsin Sulfide	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.	
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		13.	

Client Notification/ Resolution:  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: Received TC trip blank set that is not on COC, RNP 8/10/17



### Sample Container Count

CLIENT: Heartland

COC PAGE 1 of 3  
COC ID# 2194019

Project # 5077744

SRB  
H  
H  
H  
H  
H

Matrix S/W/WAL (Soil/Water/Non-Aqueous Liquid) pH <2 pH >9 pH >12

Sample Line Item	AG1U	WGFU	AG0U	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3B	BP1U	SP5T	AG2U
1		1														
2		3														
3		1														
4																
5																
6																
7																
8																
9																
10																
11																
12																

**Container Codes**

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3B	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFU	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

# Sample Container Count

CLIENT: Heartland

COC PAGE 2 of 3  
 COC ID# 2194022

SS  
 0  
 0

Project # 5017744

Sample Line  
 Item      AG1U    WGFU    AG0U    R    BP2N    BP2U    BP2S    BP3N    BP3U    BP3S    AG3S    AG1H    BP3B    BP1U    SP5T    AG2U

1	1																
2	↓																
3	3																
4	1																
5	↓																
6	↓																
7																	
8																	
9																	
10																	
11	↓																
12																	

Matrix SIMM/NAL  
 (Soil/Water/Non-  
 Aqueous Liquid)  
 pH <2 pH >9 pH >12

52

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3B	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	MGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Heartland  
 COC PAGE 3 of 3  
 COC ID# 2194023

0  
 1  
 2  
 3

Project # 507744

Matrix SIM/NAL  
 (Oil/Water/Non-  
 Aqueous Liquid)

Sample Line  
 Item

H6  
 16  
 00  
 Q >

AG1U WGFU AG0U R BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3B BP1U SP5T AG2U

pH <2 pH >9 pH >12

1		1	3															SL	
2		↓	↓																
3																			
4																			
5																			
6		↓	3																
7																			
8																			
9																			
10																			
11																			
12																			

*Reverse TC trip blank set, not on cat Rev 8/19/12*

Container Codes	40mL HCL amber vial	100mL unpreserved amber glass	1 liter HNO3 plastic	40mL TSP amber vial	
DG9H	40mL HCL amber vial	AG0U	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	C Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	40mL MeOH clear vial	ZPLC	Ziploc Bag

August 23, 2017

Ryan Orzechowicz  
Heartland Environmental  
3410 Mishawaka Avenue  
South Bend, IN 46615

RE: Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

Dear Ryan Orzechowicz:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Mick Mayse  
mick.mayse@pacelabs.com  
(317)228-3100  
Project Manager

Enclosures

cc: Ms. Bonnie Sima, Heartland Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

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### Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50177568001	RE-SB-SB-13 (002004)	Solid	08/10/17 14:08	08/11/17 16:05
50177568002	RE-SB-SB-13 (010012)	Solid	08/10/17 14:18	08/11/17 16:05
50177568003	RE-SB-SB-14 (002004)	Solid	08/10/17 13:35	08/11/17 16:05
50177568004	RE-SB-SB-14 (012014)	Solid	08/10/17 13:46	08/11/17 16:05
50177568005	RE-SB-SB-15 (002004)	Solid	08/10/17 12:56	08/11/17 16:05
50177568006	RE-SB-SB-15 (012014)	Solid	08/10/17 13:07	08/11/17 16:05
50177568007	RE-SB-SB-16 (002004)	Solid	08/10/17 12:31	08/11/17 16:05
50177568008	RE-SB-SB-16 (010012)	Solid	08/10/17 12:42	08/11/17 16:05
50177568009	RE-SB-SB-17 (002004)	Solid	08/10/17 09:54	08/11/17 16:05
50177568010	RE-SB-SB-17 (013015)	Solid	08/10/17 10:06	08/11/17 16:05
50177568011	RE-SB-SB-18 (002004)	Solid	08/10/17 09:10	08/11/17 16:05
50177568012	RE-SB-SB-18 (014016)	Solid	08/10/17 09:31	08/11/17 16:05
50177568013	RE-SB-SB-19 (002004)	Solid	08/10/17 10:38	08/11/17 16:05
50177568014	RE-SB-SB-19 (012014)	Solid	08/10/17 10:58	08/11/17 16:05
50177568015	RE-SB-SB-20 (002004)	Solid	08/10/17 11:15	08/11/17 16:05
50177568016	RE-SB-SB-20 (014016)	Solid	08/10/17 11:24	08/11/17 16:05
50177568017	RE-SB-SB-23 (002004)	Solid	08/10/17 09:07	08/11/17 16:05
50177568018	RE-SB-SB-23 (016018)	Solid	08/10/17 09:19	08/11/17 16:05
50177568019	RE-SB-SB-30 (002004)	Solid	08/10/17 11:25	08/11/17 16:05
50177568020	RE-SB-SB-30 (016018)	Solid	08/10/17 11:58	08/11/17 16:05

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177568001	RE-SB-SB-13 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177568002	RE-SB-SB-13 (010012)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177568003	RE-SB-SB-14 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177568004	RE-SB-SB-14 (012014)	SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
50177568005	RE-SB-SB-15 (002004)	SM 2540G	SCM	1	PASI-I
		EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568006	RE-SB-SB-15 (012014)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568007	RE-SB-SB-16 (002004)	EPA 8260	GRM	75	PASI-I
		EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568008	RE-SB-SB-16 (010012)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568009	RE-SB-SB-17 (002004)	EPA 8260	GRM	75	PASI-I
		EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177568010	RE-SB-SB-17 (013015)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177568011	RE-SB-SB-18 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568012	RE-SB-SB-18 (014016)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568013	RE-SB-SB-19 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568014	RE-SB-SB-19 (012014)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568015	RE-SB-SB-20 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568016	RE-SB-SB-20 (014016)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568017	RE-SB-SB-23 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568018	RE-SB-SB-23 (016018)	EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
50177568019	RE-SB-SB-30 (002004)	EPA 6010	FRW	7	PASI-I
		EPA 7471	ILP	1	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I
50177568020	RE-SB-SB-30 (016018)	EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	GRM	75	PASI-I
		SM 2540G	SCM	1	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177568001</b>	<b>RE-SB-SB-13 (002004)</b>					
EPA 6010	Arsenic	18.9	mg/kg	1.2	08/18/17 14:42	
EPA 6010	Barium	99.6	mg/kg	1.2	08/18/17 14:42	
EPA 6010	Chromium	17.3	mg/kg	1.2	08/18/17 14:42	
EPA 6010	Lead	11.3	mg/kg	1.2	08/18/17 14:42	
EPA 8270 by SIM	Acenaphthylene	0.0067	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Benzo(a)anthracene	0.038	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Benzo(a)pyrene	0.015	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.021	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.013	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Chrysene	0.21	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.0064	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Fluoranthene	0.042	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Fluorene	0.020	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.011	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	1-Methylnaphthalene	0.010	mg/kg	0.0063	08/14/17 22:51	N2
EPA 8270 by SIM	2-Methylnaphthalene	0.010	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Naphthalene	0.023	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Phenanthrene	0.16	mg/kg	0.0063	08/14/17 22:51	
EPA 8270 by SIM	Pyrene	0.099	mg/kg	0.0063	08/14/17 22:51	
SM 2540G	Percent Moisture	20.5	%	0.10	08/17/17 09:43	
<b>50177568002</b>	<b>RE-SB-SB-13 (010012)</b>					
SM 2540G	Percent Moisture	6.1	%	0.10	08/18/17 09:36	
<b>50177568003</b>	<b>RE-SB-SB-14 (002004)</b>					
EPA 6010	Arsenic	5.5	mg/kg	0.97	08/18/17 14:45	
EPA 6010	Barium	57.2	mg/kg	0.97	08/18/17 14:45	
EPA 6010	Chromium	10.6	mg/kg	0.97	08/18/17 14:45	
EPA 6010	Lead	6.7	mg/kg	0.97	08/18/17 14:45	
SM 2540G	Percent Moisture	8.7	%	0.10	08/18/17 09:37	
<b>50177568004</b>	<b>RE-SB-SB-14 (012014)</b>					
SM 2540G	Percent Moisture	8.4	%	0.10	08/18/17 09:37	
<b>50177568005</b>	<b>RE-SB-SB-15 (002004)</b>					
EPA 6010	Arsenic	11.2	mg/kg	1.1	08/18/17 14:47	
EPA 6010	Barium	98.8	mg/kg	1.1	08/18/17 14:47	
EPA 6010	Chromium	18.1	mg/kg	1.1	08/18/17 14:47	
EPA 6010	Lead	17.0	mg/kg	1.1	08/18/17 14:47	
EPA 8270 by SIM	Benzo(a)anthracene	0.014	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Benzo(a)pyrene	0.0097	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.0081	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.0086	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Chrysene	0.015	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Fluoranthene	0.027	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Phenanthrene	0.018	mg/kg	0.0062	08/15/17 04:37	
EPA 8270 by SIM	Pyrene	0.023	mg/kg	0.0062	08/15/17 04:37	
SM 2540G	Percent Moisture	20.4	%	0.10	08/18/17 09:37	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177568006</b>	<b>RE-SB-SB-15 (012014)</b>					
SM 2540G	Percent Moisture	6.6	%	0.10	08/18/17 09:37	
<b>50177568007</b>	<b>RE-SB-SB-16 (002004)</b>					
EPA 6010	Arsenic	7.6	mg/kg	1.1	08/18/17 14:49	
EPA 6010	Barium	47.7	mg/kg	1.1	08/18/17 14:49	
EPA 6010	Chromium	14.5	mg/kg	1.1	08/18/17 14:49	
EPA 6010	Lead	10.9	mg/kg	1.1	08/18/17 14:49	
SM 2540G	Percent Moisture	18.2	%	0.10	08/18/17 09:37	
<b>50177568008</b>	<b>RE-SB-SB-16 (010012)</b>					
SM 2540G	Percent Moisture	8.5	%	0.10	08/18/17 09:37	
<b>50177568009</b>	<b>RE-SB-SB-17 (002004)</b>					
EPA 6010	Arsenic	28.4	mg/kg	1.1	08/18/17 14:51	
EPA 6010	Barium	52.5	mg/kg	1.1	08/18/17 14:51	
EPA 6010	Chromium	17.9	mg/kg	1.1	08/18/17 14:51	
EPA 6010	Lead	9.6	mg/kg	1.1	08/18/17 14:51	
SM 2540G	Percent Moisture	16.9	%	0.10	08/18/17 09:37	
<b>50177568010</b>	<b>RE-SB-SB-17 (013015)</b>					
SM 2540G	Percent Moisture	9.2	%	0.10	08/18/17 09:37	
<b>50177568011</b>	<b>RE-SB-SB-18 (002004)</b>					
EPA 6010	Arsenic	7.3	mg/kg	1.1	08/18/17 14:53	
EPA 6010	Barium	45.7	mg/kg	1.1	08/18/17 14:53	
EPA 6010	Chromium	10.7	mg/kg	1.1	08/18/17 14:53	
EPA 6010	Lead	5.2	mg/kg	1.1	08/18/17 14:53	
EPA 8260	Acetone	0.30	mg/kg	0.11	08/18/17 03:18	1d
EPA 8260	1,1-Dichloroethane	0.014	mg/kg	0.0056	08/18/17 03:18	
EPA 8260	Naphthalene	0.017	mg/kg	0.0056	08/18/17 03:18	
EPA 8260	Tetrachloroethene	0.012	mg/kg	0.0056	08/18/17 03:18	
EPA 8260	1,1,1-Trichloroethane	0.055	mg/kg	0.0056	08/18/17 03:18	
EPA 8260	Trichloroethene	0.069	mg/kg	0.0056	08/18/17 03:18	
EPA 8260	1,2,4-Trimethylbenzene	0.012	mg/kg	0.0056	08/18/17 03:18	
EPA 8260	Xylene (Total)	0.031	mg/kg	0.011	08/18/17 03:18	
SM 2540G	Percent Moisture	10.0	%	0.10	08/18/17 09:37	
<b>50177568012</b>	<b>RE-SB-SB-18 (014016)</b>					
EPA 8260	cis-1,2-Dichloroethene	0.0044	mg/kg	0.0038	08/17/17 09:23	
SM 2540G	Percent Moisture	8.0	%	0.10	08/18/17 09:37	
<b>50177568013</b>	<b>RE-SB-SB-19 (002004)</b>					
EPA 6010	Arsenic	20.7	mg/kg	1.1	08/18/17 14:59	
EPA 6010	Barium	133	mg/kg	1.1	08/18/17 14:59	
EPA 6010	Chromium	21.3	mg/kg	1.1	08/18/17 14:59	
EPA 6010	Lead	19.0	mg/kg	1.1	08/18/17 14:59	
SM 2540G	Percent Moisture	21.3	%	0.10	08/18/17 09:37	
<b>50177568014</b>	<b>RE-SB-SB-19 (012014)</b>					
EPA 8260	cis-1,2-Dichloroethene	0.13	mg/kg	0.0038	08/17/17 10:30	

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177568014</b>	<b>RE-SB-SB-19 (012014)</b>					
EPA 8260	trans-1,2-Dichloroethene	0.13	mg/kg	0.0038	08/17/17 10:30	
EPA 8260	Trichloroethene	5.3	mg/kg	0.21	08/18/17 00:31	
EPA 8260	Vinyl chloride	0.0080	mg/kg	0.0038	08/17/17 10:30	
SM 2540G	Percent Moisture	7.8	%	0.10	08/18/17 09:37	
<b>50177568015</b>	<b>RE-SB-SB-20 (002004)</b>					
EPA 6010	Arsenic	16.9	mg/kg	1.2	08/18/17 15:10	
EPA 6010	Barium	219	mg/kg	1.2	08/18/17 15:10	
EPA 6010	Chromium	20.9	mg/kg	1.2	08/18/17 15:10	
EPA 6010	Lead	15.4	mg/kg	1.2	08/18/17 15:10	
EPA 8270 by SIM	Phenanthrene	0.0098	mg/kg	0.0061	08/15/17 07:22	
EPA 8260	1,1-Dichloroethane	0.013	mg/kg	0.0053	08/17/17 11:03	
EPA 8260	1,1,1-Trichloroethane	0.026	mg/kg	0.0053	08/17/17 11:03	
SM 2540G	Percent Moisture	18.6	%	0.10	08/18/17 09:38	
<b>50177568016</b>	<b>RE-SB-SB-20 (014016)</b>					
EPA 8260	1,1,1-Trichloroethane	0.016	mg/kg	0.0048	08/18/17 03:52	
SM 2540G	Percent Moisture	10.5	%	0.10	08/18/17 07:55	
<b>50177568017</b>	<b>RE-SB-SB-23 (002004)</b>					
EPA 6010	Arsenic	5.8	mg/kg	0.95	08/18/17 15:12	
EPA 6010	Barium	9.5	mg/kg	0.95	08/18/17 15:12	
EPA 6010	Chromium	10.7	mg/kg	0.95	08/18/17 15:12	
EPA 6010	Lead	2.7	mg/kg	0.95	08/18/17 15:12	
EPA 8270 by SIM	Acenaphthene	0.0071	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Acenaphthylene	0.019	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Anthracene	0.042	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Benzo(a)anthracene	0.057	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Benzo(a)pyrene	0.033	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.038	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.030	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Benzo(k)fluoranthene	0.021	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Chrysene	0.19	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.0074	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Fluoranthene	0.087	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Fluorene	0.043	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.022	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	1-Methylnaphthalene	0.025	mg/kg	0.0051	08/17/17 18:55	N2
EPA 8270 by SIM	2-Methylnaphthalene	0.019	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Naphthalene	0.21	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Phenanthrene	0.23	mg/kg	0.0051	08/17/17 18:55	
EPA 8270 by SIM	Pyrene	0.16	mg/kg	0.0051	08/17/17 18:55	
EPA 8260	1,1-Dichloroethane	0.0062	mg/kg	0.0054	08/18/17 05:32	
EPA 8260	Tetrachloroethene	0.14	mg/kg	0.0054	08/18/17 05:32	
EPA 8260	Trichloroethene	0.0088	mg/kg	0.0054	08/18/17 05:32	
SM 2540G	Percent Moisture	2.7	%	0.10	08/18/17 07:55	
<b>50177568018</b>	<b>RE-SB-SB-23 (016018)</b>					
SM 2540G	Percent Moisture	9.9	%	0.10	08/18/17 07:55	

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177568019</b>	<b>RE-SB-SB-30 (002004)</b>					
EPA 6010	Arsenic	9.2	mg/kg	0.97	08/18/17 15:14	
EPA 6010	Barium	60.6	mg/kg	0.97	08/18/17 15:14	
EPA 6010	Chromium	14.0	mg/kg	0.97	08/18/17 15:14	
EPA 6010	Lead	8.7	mg/kg	0.97	08/18/17 15:14	
EPA 8260	Acetone	0.15	mg/kg	0.11	08/18/17 06:39	1d
EPA 8260	Trichloroethene	0.012	mg/kg	0.0056	08/18/17 06:39	
SM 2540G	Percent Moisture	11.7	%	0.10	08/18/17 07:55	
<b>50177568020</b>	<b>RE-SB-SB-30 (016018)</b>					
EPA 8260	cis-1,2-Dichloroethene	0.010	mg/kg	0.0042	08/18/17 07:13	
SM 2540G	Percent Moisture	12.6	%	0.10	08/18/17 07:55	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-13 (002004) Lab ID: 50177568001 Collected: 08/10/17 14:08 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	18.9	mg/kg	1.2	1	08/16/17 11:28	08/18/17 14:42	7440-38-2	
Barium	99.6	mg/kg	1.2	1	08/16/17 11:28	08/18/17 14:42	7440-39-3	
Cadmium	ND	mg/kg	0.60	1	08/16/17 11:28	08/18/17 14:42	7440-43-9	
Chromium	17.3	mg/kg	1.2	1	08/16/17 11:28	08/18/17 14:42	7440-47-3	
Lead	11.3	mg/kg	1.2	1	08/16/17 11:28	08/18/17 14:42	7439-92-1	
Selenium	ND	mg/kg	1.2	1	08/16/17 11:28	08/18/17 14:42	7782-49-2	
Silver	ND	mg/kg	0.60	1	08/16/17 11:28	08/18/17 14:42	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.26	1	08/22/17 00:05	08/22/17 09:46	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	83-32-9	
Acenaphthylene	0.0067	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	208-96-8	
Anthracene	ND	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	120-12-7	
Benzo(a)anthracene	0.038	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	56-55-3	
Benzo(a)pyrene	0.015	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	50-32-8	
Benzo(b)fluoranthene	0.021	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	205-99-2	
Benzo(g,h,i)perylene	0.013	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	207-08-9	
Chrysene	0.21	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	218-01-9	
Dibenz(a,h)anthracene	0.0064	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	53-70-3	
Fluoranthene	0.042	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	206-44-0	
Fluorene	0.020	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	86-73-7	
Indeno(1,2,3-cd)pyrene	0.011	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	193-39-5	
1-Methylnaphthalene	0.010	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	90-12-0	N2
2-Methylnaphthalene	0.010	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	91-57-6	
Naphthalene	0.023	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	91-20-3	
Phenanthrene	0.16	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	85-01-8	
Pyrene	0.099	mg/kg	0.0063	1	08/14/17 12:15	08/14/17 22:51	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	63	%	30-94	1	08/14/17 12:15	08/14/17 22:51	321-60-8	
p-Terphenyl-d14 (S)	59	%	27-102	1	08/14/17 12:15	08/14/17 22:51	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.10	1		08/17/17 03:14	67-64-1	
Acrolein	ND	mg/kg	0.10	1		08/17/17 03:14	107-02-8	
Acrylonitrile	ND	mg/kg	0.10	1		08/17/17 03:14	107-13-1	
Benzene	ND	mg/kg	0.0050	1		08/17/17 03:14	71-43-2	
Bromobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	108-86-1	
Bromochloromethane	ND	mg/kg	0.0050	1		08/17/17 03:14	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0050	1		08/17/17 03:14	75-27-4	
Bromoform	ND	mg/kg	0.0050	1		08/17/17 03:14	75-25-2	
Bromomethane	ND	mg/kg	0.0050	1		08/17/17 03:14	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	1		08/17/17 03:14	78-93-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-13 (002004) Lab ID: 50177568001 Collected: 08/10/17 14:08 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	1		08/17/17 03:14	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	1		08/17/17 03:14	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	108-90-7	
Chloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	75-00-3	
Chloroform	ND	mg/kg	0.0050	1		08/17/17 03:14	67-66-3	
Chloromethane	ND	mg/kg	0.0050	1		08/17/17 03:14	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0050	1		08/17/17 03:14	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0050	1		08/17/17 03:14	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0050	1		08/17/17 03:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0050	1		08/17/17 03:14	106-93-4	
Dibromomethane	ND	mg/kg	0.0050	1		08/17/17 03:14	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	1		08/17/17 03:14	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0050	1		08/17/17 03:14	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	1		08/17/17 03:14	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	1		08/17/17 03:14	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	1		08/17/17 03:14	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	1		08/17/17 03:14	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0050	1		08/17/17 03:14	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0050	1		08/17/17 03:14	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0050	1		08/17/17 03:14	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	1		08/17/17 03:14	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	1		08/17/17 03:14	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	1		08/17/17 03:14	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0050	1		08/17/17 03:14	87-68-3	
n-Hexane	ND	mg/kg	0.0050	1		08/17/17 03:14	110-54-3	
2-Hexanone	ND	mg/kg	0.10	1		08/17/17 03:14	591-78-6	
Iodomethane	ND	mg/kg	0.10	1		08/17/17 03:14	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0050	1		08/17/17 03:14	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0050	1		08/17/17 03:14	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	1		08/17/17 03:14	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.010	1		08/17/17 03:14	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.010	1		08/17/17 03:14	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	1		08/17/17 03:14	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	1		08/17/17 03:14	1634-04-4	
Naphthalene	ND	mg/kg	0.0050	1		08/17/17 03:14	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	103-65-1	
Styrene	ND	mg/kg	0.0050	1		08/17/17 03:14	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-13 (002004)**    **Lab ID: 50177568001**    Collected: 08/10/17 14:08    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	1		08/17/17 03:14	127-18-4	
Toluene	ND	mg/kg	0.0050	1		08/17/17 03:14	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	1		08/17/17 03:14	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	1		08/17/17 03:14	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	1		08/17/17 03:14	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	1		08/17/17 03:14	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	1		08/17/17 03:14	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	1		08/17/17 03:14	108-05-4	
Vinyl chloride	ND	mg/kg	0.0050	1		08/17/17 03:14	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	1		08/17/17 03:14	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%	69-136	1		08/17/17 03:14	1868-53-7	
Toluene-d8 (S)	108	%	64-150	1		08/17/17 03:14	2037-26-5	
4-Bromofluorobenzene (S)	88	%	51-142	1		08/17/17 03:14	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>20.5</b>	%	0.10	1		08/17/17 09:43		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-13 (010012) Lab ID: 50177568002 Collected: 08/10/17 14:18 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	83-32-9	
Acenaphthylene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	208-96-8	
Anthracene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	207-08-9	
Chrysene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	53-70-3	
Fluoranthene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	206-44-0	
Fluorene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	91-57-6	
Naphthalene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	91-20-3	
Phenanthrene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	85-01-8	
Pyrene	ND	mg/kg	0.0053	1	08/14/17 12:15	08/14/17 23:08	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	72	%.	30-94	1	08/14/17 12:15	08/14/17 23:08	321-60-8	
p-Terphenyl-d14 (S)	80	%.	27-102	1	08/14/17 12:15	08/14/17 23:08	1718-51-0	

#### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.083	1		08/17/17 03:48	67-64-1	
Acrolein	ND	mg/kg	0.083	1		08/17/17 03:48	107-02-8	
Acrylonitrile	ND	mg/kg	0.083	1		08/17/17 03:48	107-13-1	
Benzene	ND	mg/kg	0.0042	1		08/17/17 03:48	71-43-2	
Bromobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	108-86-1	
Bromochloromethane	ND	mg/kg	0.0042	1		08/17/17 03:48	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0042	1		08/17/17 03:48	75-27-4	
Bromoform	ND	mg/kg	0.0042	1		08/17/17 03:48	75-25-2	
Bromomethane	ND	mg/kg	0.0042	1		08/17/17 03:48	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	1		08/17/17 03:48	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	98-06-6	
Carbon disulfide	ND	mg/kg	0.0083	1		08/17/17 03:48	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	1		08/17/17 03:48	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	108-90-7	
Chloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	75-00-3	
Chloroform	ND	mg/kg	0.0042	1		08/17/17 03:48	67-66-3	
Chloromethane	ND	mg/kg	0.0042	1		08/17/17 03:48	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0042	1		08/17/17 03:48	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0042	1		08/17/17 03:48	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0042	1		08/17/17 03:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0042	1		08/17/17 03:48	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-13 (010012) Lab ID: 50177568002 Collected: 08/10/17 14:18 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0042	1		08/17/17 03:48	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.083	1		08/17/17 03:48	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0042	1		08/17/17 03:48	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 03:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 03:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 03:48	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 03:48	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 03:48	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 03:48	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 03:48	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 03:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 03:48	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.083	1		08/17/17 03:48	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0042	1		08/17/17 03:48	87-68-3	
n-Hexane	ND	mg/kg	0.0042	1		08/17/17 03:48	110-54-3	
2-Hexanone	ND	mg/kg	0.083	1		08/17/17 03:48	591-78-6	
Iodomethane	ND	mg/kg	0.083	1		08/17/17 03:48	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0042	1		08/17/17 03:48	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0042	1		08/17/17 03:48	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	1		08/17/17 03:48	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0083	1		08/17/17 03:48	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0083	1		08/17/17 03:48	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1		08/17/17 03:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	1		08/17/17 03:48	1634-04-4	
Naphthalene	ND	mg/kg	0.0042	1		08/17/17 03:48	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	103-65-1	
Styrene	ND	mg/kg	0.0042	1		08/17/17 03:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	1		08/17/17 03:48	127-18-4	
Toluene	ND	mg/kg	0.0042	1		08/17/17 03:48	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	1		08/17/17 03:48	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	1		08/17/17 03:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	1		08/17/17 03:48	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0042	1		08/17/17 03:48	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	1		08/17/17 03:48	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-13 (010012)**      **Lab ID: 50177568002**      Collected: 08/10/17 14:18      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.083	1		08/17/17 03:48	108-05-4	
Vinyl chloride	ND	mg/kg	0.0042	1		08/17/17 03:48	75-01-4	
Xylene (Total)	ND	mg/kg	0.0083	1		08/17/17 03:48	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	129	%	69-136	1		08/17/17 03:48	1868-53-7	
Toluene-d8 (S)	138	%	64-150	1		08/17/17 03:48	2037-26-5	
4-Bromofluorobenzene (S)	76	%	51-142	1		08/17/17 03:48	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>6.1</b>	%	0.10	1		08/18/17 09:36		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-14 (002004) Lab ID: 50177568003 Collected: 08/10/17 13:35 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.5	mg/kg	0.97	1	08/16/17 11:28	08/18/17 14:45	7440-38-2	
Barium	57.2	mg/kg	0.97	1	08/16/17 11:28	08/18/17 14:45	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	08/16/17 11:28	08/18/17 14:45	7440-43-9	
Chromium	10.6	mg/kg	0.97	1	08/16/17 11:28	08/18/17 14:45	7440-47-3	
Lead	6.7	mg/kg	0.97	1	08/16/17 11:28	08/18/17 14:45	7439-92-1	
Selenium	ND	mg/kg	0.97	1	08/16/17 11:28	08/18/17 14:45	7782-49-2	
Silver	ND	mg/kg	0.48	1	08/16/17 11:28	08/18/17 14:45	7440-22-4	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.22	1	08/22/17 00:05	08/22/17 09:49	7439-97-6	
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:26	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	70	%	30-94	1	08/14/17 12:15	08/14/17 23:26	321-60-8	
p-Terphenyl-d14 (S)	76	%	27-102	1	08/14/17 12:15	08/14/17 23:26	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.078	1		08/17/17 04:22	67-64-1	
Acrolein	ND	mg/kg	0.078	1		08/17/17 04:22	107-02-8	
Acrylonitrile	ND	mg/kg	0.078	1		08/17/17 04:22	107-13-1	
Benzene	ND	mg/kg	0.0039	1		08/17/17 04:22	71-43-2	
Bromobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	108-86-1	
Bromochloromethane	ND	mg/kg	0.0039	1		08/17/17 04:22	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0039	1		08/17/17 04:22	75-27-4	
Bromoform	ND	mg/kg	0.0039	1		08/17/17 04:22	75-25-2	
Bromomethane	ND	mg/kg	0.0039	1		08/17/17 04:22	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/17/17 04:22	78-93-3	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-14 (002004) Lab ID: 50177568003 Collected: 08/10/17 13:35 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	98-06-6	
Carbon disulfide	ND	mg/kg	0.0078	1		08/17/17 04:22	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0039	1		08/17/17 04:22	56-23-5	
Chlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	108-90-7	
Chloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	75-00-3	
Chloroform	ND	mg/kg	0.0039	1		08/17/17 04:22	67-66-3	
Chloromethane	ND	mg/kg	0.0039	1		08/17/17 04:22	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0039	1		08/17/17 04:22	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0039	1		08/17/17 04:22	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0039	1		08/17/17 04:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0039	1		08/17/17 04:22	106-93-4	
Dibromomethane	ND	mg/kg	0.0039	1		08/17/17 04:22	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.078	1		08/17/17 04:22	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0039	1		08/17/17 04:22	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:22	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:22	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:22	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:22	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:22	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:22	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0039	1		08/17/17 04:22	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/17/17 04:22	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/17/17 04:22	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.078	1		08/17/17 04:22	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0039	1		08/17/17 04:22	87-68-3	
n-Hexane	ND	mg/kg	0.0039	1		08/17/17 04:22	110-54-3	
2-Hexanone	ND	mg/kg	0.078	1		08/17/17 04:22	591-78-6	
Iodomethane	ND	mg/kg	0.078	1		08/17/17 04:22	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0039	1		08/17/17 04:22	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0039	1		08/17/17 04:22	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/17/17 04:22	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0078	1		08/17/17 04:22	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0078	1		08/17/17 04:22	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/17/17 04:22	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0039	1		08/17/17 04:22	1634-04-4	
Naphthalene	ND	mg/kg	0.0039	1		08/17/17 04:22	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	103-65-1	
Styrene	ND	mg/kg	0.0039	1		08/17/17 04:22	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-14 (002004)**    **Lab ID: 50177568003**    Collected: 08/10/17 13:35    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0039	1		08/17/17 04:22	127-18-4	
Toluene	ND	mg/kg	0.0039	1		08/17/17 04:22	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:22	79-00-5	
Trichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:22	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0039	1		08/17/17 04:22	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:22	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:22	108-67-8	
Vinyl acetate	ND	mg/kg	0.078	1		08/17/17 04:22	108-05-4	
Vinyl chloride	ND	mg/kg	0.0039	1		08/17/17 04:22	75-01-4	
Xylene (Total)	ND	mg/kg	0.0078	1		08/17/17 04:22	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	119	%	69-136	1		08/17/17 04:22	1868-53-7	
Toluene-d8 (S)	123	%	64-150	1		08/17/17 04:22	2037-26-5	
4-Bromofluorobenzene (S)	80	%	51-142	1		08/17/17 04:22	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.7</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-14 (012014) Lab ID: 50177568004 Collected: 08/10/17 13:46 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/14/17 12:15	08/14/17 23:43	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	74	%	30-94	1	08/14/17 12:15	08/14/17 23:43	321-60-8	
p-Terphenyl-d14 (S)	81	%	27-102	1	08/14/17 12:15	08/14/17 23:43	1718-51-0	

**8260 MSV 5035A VOA**

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.078	1		08/17/17 04:55	67-64-1	
Acrolein	ND	mg/kg	0.078	1		08/17/17 04:55	107-02-8	
Acrylonitrile	ND	mg/kg	0.078	1		08/17/17 04:55	107-13-1	
Benzene	ND	mg/kg	0.0039	1		08/17/17 04:55	71-43-2	
Bromobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	108-86-1	
Bromochloromethane	ND	mg/kg	0.0039	1		08/17/17 04:55	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0039	1		08/17/17 04:55	75-27-4	
Bromoform	ND	mg/kg	0.0039	1		08/17/17 04:55	75-25-2	
Bromomethane	ND	mg/kg	0.0039	1		08/17/17 04:55	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/17/17 04:55	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	98-06-6	
Carbon disulfide	ND	mg/kg	0.0078	1		08/17/17 04:55	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0039	1		08/17/17 04:55	56-23-5	
Chlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	108-90-7	
Chloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	75-00-3	
Chloroform	ND	mg/kg	0.0039	1		08/17/17 04:55	67-66-3	
Chloromethane	ND	mg/kg	0.0039	1		08/17/17 04:55	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0039	1		08/17/17 04:55	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0039	1		08/17/17 04:55	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0039	1		08/17/17 04:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0039	1		08/17/17 04:55	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-14 (012014)**    **Lab ID: 50177568004**    Collected: 08/10/17 13:46    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0039	1		08/17/17 04:55	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.078	1		08/17/17 04:55	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0039	1		08/17/17 04:55	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:55	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:55	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:55	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:55	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:55	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:55	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0039	1		08/17/17 04:55	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/17/17 04:55	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/17/17 04:55	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.078	1		08/17/17 04:55	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0039	1		08/17/17 04:55	87-68-3	
n-Hexane	ND	mg/kg	0.0039	1		08/17/17 04:55	110-54-3	
2-Hexanone	ND	mg/kg	0.078	1		08/17/17 04:55	591-78-6	
Iodomethane	ND	mg/kg	0.078	1		08/17/17 04:55	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0039	1		08/17/17 04:55	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0039	1		08/17/17 04:55	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/17/17 04:55	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0078	1		08/17/17 04:55	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0078	1		08/17/17 04:55	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/17/17 04:55	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0039	1		08/17/17 04:55	1634-04-4	
Naphthalene	ND	mg/kg	0.0039	1		08/17/17 04:55	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	103-65-1	
Styrene	ND	mg/kg	0.0039	1		08/17/17 04:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0039	1		08/17/17 04:55	127-18-4	
Toluene	ND	mg/kg	0.0039	1		08/17/17 04:55	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0039	1		08/17/17 04:55	79-00-5	
Trichloroethene	ND	mg/kg	0.0039	1		08/17/17 04:55	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0039	1		08/17/17 04:55	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0039	1		08/17/17 04:55	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	1		08/17/17 04:55	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-14 (012014)**    **Lab ID: 50177568004**    Collected: 08/10/17 13:46    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.078	1		08/17/17 04:55	108-05-4	
Vinyl chloride	ND	mg/kg	0.0039	1		08/17/17 04:55	75-01-4	
Xylene (Total)	ND	mg/kg	0.0078	1		08/17/17 04:55	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	116	%.	69-136	1		08/17/17 04:55	1868-53-7	
Toluene-d8 (S)	132	%.	64-150	1		08/17/17 04:55	2037-26-5	
4-Bromofluorobenzene (S)	75	%.	51-142	1		08/17/17 04:55	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.4</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-15 (002004) Lab ID: 50177568005 Collected: 08/10/17 12:56 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	11.2	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:47	7440-38-2	
Barium	98.8	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:47	7440-39-3	
Cadmium	ND	mg/kg	0.56	1	08/16/17 11:28	08/18/17 14:47	7440-43-9	
Chromium	18.1	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:47	7440-47-3	
Lead	17.0	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:47	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:47	7782-49-2	
Silver	ND	mg/kg	0.56	1	08/16/17 11:28	08/18/17 14:47	7440-22-4	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.26	1	08/22/17 00:05	08/22/17 09:51	7439-97-6	
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	83-32-9	
Acenaphthylene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	208-96-8	
Anthracene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	120-12-7	
Benzo(a)anthracene	0.014	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	56-55-3	
Benzo(a)pyrene	0.0097	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	50-32-8	
Benzo(b)fluoranthene	0.0081	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	191-24-2	
Benzo(k)fluoranthene	0.0086	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	207-08-9	
Chrysene	0.015	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	53-70-3	
Fluoranthene	0.027	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	206-44-0	
Fluorene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	91-57-6	
Naphthalene	ND	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	91-20-3	
Phenanthrene	0.018	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	85-01-8	
Pyrene	0.023	mg/kg	0.0062	1	08/14/17 10:10	08/15/17 04:37	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	69	%.	30-94	1	08/14/17 10:10	08/15/17 04:37	321-60-8	
p-Terphenyl-d14 (S)	76	%.	27-102	1	08/14/17 10:10	08/15/17 04:37	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.096	1		08/17/17 05:28	67-64-1	
Acrolein	ND	mg/kg	0.096	1		08/17/17 05:28	107-02-8	
Acrylonitrile	ND	mg/kg	0.096	1		08/17/17 05:28	107-13-1	
Benzene	ND	mg/kg	0.0048	1		08/17/17 05:28	71-43-2	
Bromobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	1		08/17/17 05:28	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	1		08/17/17 05:28	75-27-4	
Bromoform	ND	mg/kg	0.0048	1		08/17/17 05:28	75-25-2	
Bromomethane	ND	mg/kg	0.0048	1		08/17/17 05:28	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.024	1		08/17/17 05:28	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-15 (002004) Lab ID: 50177568005 Collected: 08/10/17 12:56 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	98-06-6	
Carbon disulfide	ND	mg/kg	0.0096	1		08/17/17 05:28	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	1		08/17/17 05:28	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	108-90-7	
Chloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	75-00-3	
Chloroform	ND	mg/kg	0.0048	1		08/17/17 05:28	67-66-3	
Chloromethane	ND	mg/kg	0.0048	1		08/17/17 05:28	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0048	1		08/17/17 05:28	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0048	1		08/17/17 05:28	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0048	1		08/17/17 05:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0048	1		08/17/17 05:28	106-93-4	
Dibromomethane	ND	mg/kg	0.0048	1		08/17/17 05:28	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.096	1		08/17/17 05:28	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0048	1		08/17/17 05:28	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	1		08/17/17 05:28	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	1		08/17/17 05:28	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	1		08/17/17 05:28	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	1		08/17/17 05:28	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0048	1		08/17/17 05:28	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0048	1		08/17/17 05:28	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0048	1		08/17/17 05:28	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	1		08/17/17 05:28	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	1		08/17/17 05:28	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.096	1		08/17/17 05:28	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0048	1		08/17/17 05:28	87-68-3	
n-Hexane	ND	mg/kg	0.0048	1		08/17/17 05:28	110-54-3	
2-Hexanone	ND	mg/kg	0.096	1		08/17/17 05:28	591-78-6	
Iodomethane	ND	mg/kg	0.096	1		08/17/17 05:28	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	1		08/17/17 05:28	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0048	1		08/17/17 05:28	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/17/17 05:28	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0096	1		08/17/17 05:28	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0096	1		08/17/17 05:28	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1		08/17/17 05:28	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	1		08/17/17 05:28	1634-04-4	
Naphthalene	ND	mg/kg	0.0048	1		08/17/17 05:28	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	103-65-1	
Styrene	ND	mg/kg	0.0048	1		08/17/17 05:28	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-15 (002004)**    **Lab ID: 50177568005**    Collected: 08/10/17 12:56    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	1		08/17/17 05:28	127-18-4	
Toluene	ND	mg/kg	0.0048	1		08/17/17 05:28	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	1		08/17/17 05:28	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	1		08/17/17 05:28	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	1		08/17/17 05:28	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0048	1		08/17/17 05:28	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	1		08/17/17 05:28	108-67-8	
Vinyl acetate	ND	mg/kg	0.096	1		08/17/17 05:28	108-05-4	
Vinyl chloride	ND	mg/kg	0.0048	1		08/17/17 05:28	75-01-4	
Xylene (Total)	ND	mg/kg	0.0096	1		08/17/17 05:28	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	109	%	69-136	1		08/17/17 05:28	1868-53-7	
Toluene-d8 (S)	102	%	64-150	1		08/17/17 05:28	2037-26-5	
4-Bromofluorobenzene (S)	98	%	51-142	1		08/17/17 05:28	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>20.4</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-15 (012014) Lab ID: 50177568006 Collected: 08/10/17 13:07 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 04:53	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	79	%.	30-94	1	08/14/17 10:10	08/15/17 04:53	321-60-8	
p-Terphenyl-d14 (S)	102	%.	27-102	1	08/14/17 10:10	08/15/17 04:53	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.075	1		08/17/17 06:02	67-64-1	
Acrolein	ND	mg/kg	0.075	1		08/17/17 06:02	107-02-8	
Acrylonitrile	ND	mg/kg	0.075	1		08/17/17 06:02	107-13-1	
Benzene	ND	mg/kg	0.0038	1		08/17/17 06:02	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1		08/17/17 06:02	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1		08/17/17 06:02	75-27-4	
Bromoform	ND	mg/kg	0.0038	1		08/17/17 06:02	75-25-2	
Bromomethane	ND	mg/kg	0.0038	1		08/17/17 06:02	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/17/17 06:02	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	98-06-6	
Carbon disulfide	ND	mg/kg	0.0075	1		08/17/17 06:02	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1		08/17/17 06:02	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	108-90-7	
Chloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	75-00-3	
Chloroform	ND	mg/kg	0.0038	1		08/17/17 06:02	67-66-3	
Chloromethane	ND	mg/kg	0.0038	1		08/17/17 06:02	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 06:02	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 06:02	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	1		08/17/17 06:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1		08/17/17 06:02	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-15 (012014)**      **Lab ID: 50177568006**      Collected: 08/10/17 13:07      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0038	1		08/17/17 06:02	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.075	1		08/17/17 06:02	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	1		08/17/17 06:02	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 06:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 06:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 06:02	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 06:02	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 06:02	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 06:02	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 06:02	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 06:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 06:02	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.075	1		08/17/17 06:02	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0038	1		08/17/17 06:02	87-68-3	
n-Hexane	ND	mg/kg	0.0038	1		08/17/17 06:02	110-54-3	
2-Hexanone	ND	mg/kg	0.075	1		08/17/17 06:02	591-78-6	
Iodomethane	ND	mg/kg	0.075	1		08/17/17 06:02	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1		08/17/17 06:02	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	1		08/17/17 06:02	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/17/17 06:02	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0075	1		08/17/17 06:02	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0075	1		08/17/17 06:02	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/17/17 06:02	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1		08/17/17 06:02	1634-04-4	
Naphthalene	ND	mg/kg	0.0038	1		08/17/17 06:02	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	103-65-1	
Styrene	ND	mg/kg	0.0038	1		08/17/17 06:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	1		08/17/17 06:02	127-18-4	
Toluene	ND	mg/kg	0.0038	1		08/17/17 06:02	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 06:02	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	1		08/17/17 06:02	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	1		08/17/17 06:02	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1		08/17/17 06:02	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 06:02	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-15 (012014)**      **Lab ID: 50177568006**      Collected: 08/10/17 13:07      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.075	1		08/17/17 06:02	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	1		08/17/17 06:02	75-01-4	
Xylene (Total)	ND	mg/kg	0.0075	1		08/17/17 06:02	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	111	%	69-136	1		08/17/17 06:02	1868-53-7	
Toluene-d8 (S)	103	%	64-150	1		08/17/17 06:02	2037-26-5	
4-Bromofluorobenzene (S)	97	%	51-142	1		08/17/17 06:02	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>6.6</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-16 (002004) Lab ID: 50177568007** Collected: 08/10/17 12:31 Received: 08/11/17 16:05 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.6	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:49	7440-38-2	
Barium	47.7	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:49	7440-39-3	
Cadmium	ND	mg/kg	0.57	1	08/16/17 11:28	08/18/17 14:49	7440-43-9	
Chromium	14.5	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:49	7440-47-3	
Lead	10.9	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:49	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:49	7782-49-2	
Silver	ND	mg/kg	0.57	1	08/16/17 11:28	08/18/17 14:49	7440-22-4	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	08/22/17 00:05	08/22/17 09:58	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	83-32-9	
Acenaphthylene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	208-96-8	
Anthracene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	207-08-9	
Chrysene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	53-70-3	
Fluoranthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	206-44-0	
Fluorene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	91-57-6	
Naphthalene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	91-20-3	
Phenanthrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	85-01-8	
Pyrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 05:10	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	71	%.	30-94	1	08/14/17 10:10	08/15/17 05:10	321-60-8	
p-Terphenyl-d14 (S)	94	%.	27-102	1	08/14/17 10:10	08/15/17 05:10	1718-51-0	
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.088	1		08/17/17 06:35	67-64-1	
Acrolein	ND	mg/kg	0.088	1		08/17/17 06:35	107-02-8	
Acrylonitrile	ND	mg/kg	0.088	1		08/17/17 06:35	107-13-1	
Benzene	ND	mg/kg	0.0044	1		08/17/17 06:35	71-43-2	
Bromobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	1		08/17/17 06:35	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	1		08/17/17 06:35	75-27-4	
Bromoform	ND	mg/kg	0.0044	1		08/17/17 06:35	75-25-2	
Bromomethane	ND	mg/kg	0.0044	1		08/17/17 06:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.022	1		08/17/17 06:35	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-16 (002004) Lab ID: 50177568007 Collected: 08/10/17 12:31 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	98-06-6	
Carbon disulfide	ND	mg/kg	0.0088	1		08/17/17 06:35	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	1		08/17/17 06:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	108-90-7	
Chloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	75-00-3	
Chloroform	ND	mg/kg	0.0044	1		08/17/17 06:35	67-66-3	
Chloromethane	ND	mg/kg	0.0044	1		08/17/17 06:35	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0044	1		08/17/17 06:35	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0044	1		08/17/17 06:35	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0044	1		08/17/17 06:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0044	1		08/17/17 06:35	106-93-4	
Dibromomethane	ND	mg/kg	0.0044	1		08/17/17 06:35	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.088	1		08/17/17 06:35	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0044	1		08/17/17 06:35	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	1		08/17/17 06:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	1		08/17/17 06:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	1		08/17/17 06:35	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	1		08/17/17 06:35	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0044	1		08/17/17 06:35	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0044	1		08/17/17 06:35	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0044	1		08/17/17 06:35	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	1		08/17/17 06:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	1		08/17/17 06:35	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.088	1		08/17/17 06:35	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0044	1		08/17/17 06:35	87-68-3	
n-Hexane	ND	mg/kg	0.0044	1		08/17/17 06:35	110-54-3	
2-Hexanone	ND	mg/kg	0.088	1		08/17/17 06:35	591-78-6	
Iodomethane	ND	mg/kg	0.088	1		08/17/17 06:35	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	1		08/17/17 06:35	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0044	1		08/17/17 06:35	99-87-6	
Methylene Chloride	ND	mg/kg	0.018	1		08/17/17 06:35	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0088	1		08/17/17 06:35	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0088	1		08/17/17 06:35	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1		08/17/17 06:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	1		08/17/17 06:35	1634-04-4	
Naphthalene	ND	mg/kg	0.0044	1		08/17/17 06:35	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	103-65-1	
Styrene	ND	mg/kg	0.0044	1		08/17/17 06:35	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-16 (002004)**    **Lab ID: 50177568007**    Collected: 08/10/17 12:31    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	1		08/17/17 06:35	127-18-4	
Toluene	ND	mg/kg	0.0044	1		08/17/17 06:35	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	1		08/17/17 06:35	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	1		08/17/17 06:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	1		08/17/17 06:35	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0044	1		08/17/17 06:35	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	1		08/17/17 06:35	108-67-8	
Vinyl acetate	ND	mg/kg	0.088	1		08/17/17 06:35	108-05-4	
Vinyl chloride	ND	mg/kg	0.0044	1		08/17/17 06:35	75-01-4	
Xylene (Total)	ND	mg/kg	0.0088	1		08/17/17 06:35	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	108	%	69-136	1		08/17/17 06:35	1868-53-7	
Toluene-d8 (S)	103	%	64-150	1		08/17/17 06:35	2037-26-5	
4-Bromofluorobenzene (S)	96	%	51-142	1		08/17/17 06:35	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>18.2</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-16 (010012) Lab ID: 50177568008 Collected: 08/10/17 12:42 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 05:26	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	80	%	30-94	1	08/14/17 10:10	08/15/17 05:26	321-60-8	
p-Terphenyl-d14 (S)	93	%	27-102	1	08/14/17 10:10	08/15/17 05:26	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.077	1		08/17/17 07:09	67-64-1	
Acrolein	ND	mg/kg	0.077	1		08/17/17 07:09	107-02-8	
Acrylonitrile	ND	mg/kg	0.077	1		08/17/17 07:09	107-13-1	
Benzene	ND	mg/kg	0.0038	1		08/17/17 07:09	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1		08/17/17 07:09	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1		08/17/17 07:09	75-27-4	
Bromoform	ND	mg/kg	0.0038	1		08/17/17 07:09	75-25-2	
Bromomethane	ND	mg/kg	0.0038	1		08/17/17 07:09	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/17/17 07:09	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	1		08/17/17 07:09	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1		08/17/17 07:09	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	108-90-7	
Chloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	75-00-3	
Chloroform	ND	mg/kg	0.0038	1		08/17/17 07:09	67-66-3	
Chloromethane	ND	mg/kg	0.0038	1		08/17/17 07:09	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 07:09	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 07:09	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	1		08/17/17 07:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1		08/17/17 07:09	106-93-4	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-16 (010012) Lab ID: 50177568008 Collected: 08/10/17 12:42 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0038	1		08/17/17 07:09	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	1		08/17/17 07:09	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	1		08/17/17 07:09	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 07:09	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 07:09	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 07:09	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 07:09	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 07:09	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 07:09	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 07:09	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 07:09	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 07:09	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	1		08/17/17 07:09	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0038	1		08/17/17 07:09	87-68-3	
n-Hexane	ND	mg/kg	0.0038	1		08/17/17 07:09	110-54-3	
2-Hexanone	ND	mg/kg	0.077	1		08/17/17 07:09	591-78-6	
Iodomethane	ND	mg/kg	0.077	1		08/17/17 07:09	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1		08/17/17 07:09	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	1		08/17/17 07:09	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/17/17 07:09	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0077	1		08/17/17 07:09	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0077	1		08/17/17 07:09	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/17/17 07:09	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1		08/17/17 07:09	1634-04-4	
Naphthalene	ND	mg/kg	0.0038	1		08/17/17 07:09	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	103-65-1	
Styrene	ND	mg/kg	0.0038	1		08/17/17 07:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	1		08/17/17 07:09	127-18-4	
Toluene	ND	mg/kg	0.0038	1		08/17/17 07:09	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 07:09	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	1		08/17/17 07:09	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	1		08/17/17 07:09	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1		08/17/17 07:09	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 07:09	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-16 (010012)**      **Lab ID: 50177568008**      Collected: 08/10/17 12:42      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.077	1		08/17/17 07:09	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	1		08/17/17 07:09	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	1		08/17/17 07:09	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	114	%.	69-136	1		08/17/17 07:09	1868-53-7	
Toluene-d8 (S)	122	%.	64-150	1		08/17/17 07:09	2037-26-5	
4-Bromofluorobenzene (S)	79	%.	51-142	1		08/17/17 07:09	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.5</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-17 (002004)**    **Lab ID: 50177568009**    Collected: 08/10/17 09:54    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3050						
Arsenic	28.4	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:51	7440-38-2	
Barium	52.5	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:51	7440-39-3	
Cadmium	ND	mg/kg	0.56	1	08/16/17 11:28	08/18/17 14:51	7440-43-9	
Chromium	17.9	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:51	7440-47-3	
Lead	9.6	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:51	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:51	7782-49-2	
Silver	ND	mg/kg	0.56	1	08/16/17 11:28	08/18/17 14:51	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471    Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.24	1	08/22/17 00:05	08/22/17 10:01	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	83-32-9	
Acenaphthylene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	208-96-8	
Anthracene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	207-08-9	
Chrysene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	53-70-3	
Fluoranthene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	206-44-0	
Fluorene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	91-57-6	
Naphthalene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	91-20-3	
Phenanthrene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	85-01-8	
Pyrene	ND	mg/kg	0.0060	1	08/14/17 10:10	08/15/17 05:43	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	62	%	30-94	1	08/14/17 10:10	08/15/17 05:43	321-60-8	
p-Terphenyl-d14 (S)	73	%	27-102	1	08/14/17 10:10	08/15/17 05:43	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.093	1		08/17/17 07:42	67-64-1	
Acrolein	ND	mg/kg	0.093	1		08/17/17 07:42	107-02-8	
Acrylonitrile	ND	mg/kg	0.093	1		08/17/17 07:42	107-13-1	
Benzene	ND	mg/kg	0.0047	1		08/17/17 07:42	71-43-2	
Bromobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	108-86-1	
Bromochloromethane	ND	mg/kg	0.0047	1		08/17/17 07:42	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0047	1		08/17/17 07:42	75-27-4	
Bromoform	ND	mg/kg	0.0047	1		08/17/17 07:42	75-25-2	
Bromomethane	ND	mg/kg	0.0047	1		08/17/17 07:42	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.023	1		08/17/17 07:42	78-93-3	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-17 (002004) Lab ID: 50177568009 Collected: 08/10/17 09:54 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	98-06-6	
Carbon disulfide	ND	mg/kg	0.0093	1		08/17/17 07:42	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	1		08/17/17 07:42	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	108-90-7	
Chloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	75-00-3	
Chloroform	ND	mg/kg	0.0047	1		08/17/17 07:42	67-66-3	
Chloromethane	ND	mg/kg	0.0047	1		08/17/17 07:42	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0047	1		08/17/17 07:42	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0047	1		08/17/17 07:42	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0047	1		08/17/17 07:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0047	1		08/17/17 07:42	106-93-4	
Dibromomethane	ND	mg/kg	0.0047	1		08/17/17 07:42	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.093	1		08/17/17 07:42	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0047	1		08/17/17 07:42	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	1		08/17/17 07:42	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	1		08/17/17 07:42	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	1		08/17/17 07:42	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	1		08/17/17 07:42	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0047	1		08/17/17 07:42	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0047	1		08/17/17 07:42	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0047	1		08/17/17 07:42	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	1		08/17/17 07:42	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	1		08/17/17 07:42	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.093	1		08/17/17 07:42	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0047	1		08/17/17 07:42	87-68-3	
n-Hexane	ND	mg/kg	0.0047	1		08/17/17 07:42	110-54-3	
2-Hexanone	ND	mg/kg	0.093	1		08/17/17 07:42	591-78-6	
Iodomethane	ND	mg/kg	0.093	1		08/17/17 07:42	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0047	1		08/17/17 07:42	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0047	1		08/17/17 07:42	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/17/17 07:42	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0093	1		08/17/17 07:42	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0093	1		08/17/17 07:42	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1		08/17/17 07:42	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	1		08/17/17 07:42	1634-04-4	
Naphthalene	ND	mg/kg	0.0047	1		08/17/17 07:42	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	103-65-1	
Styrene	ND	mg/kg	0.0047	1		08/17/17 07:42	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-17 (002004)**    **Lab ID: 50177568009**    Collected: 08/10/17 09:54    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	1		08/17/17 07:42	127-18-4	
Toluene	ND	mg/kg	0.0047	1		08/17/17 07:42	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	1		08/17/17 07:42	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	1		08/17/17 07:42	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	1		08/17/17 07:42	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0047	1		08/17/17 07:42	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0047	1		08/17/17 07:42	108-67-8	
Vinyl acetate	ND	mg/kg	0.093	1		08/17/17 07:42	108-05-4	
Vinyl chloride	ND	mg/kg	0.0047	1		08/17/17 07:42	75-01-4	
Xylene (Total)	ND	mg/kg	0.0093	1		08/17/17 07:42	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	109	%	69-136	1		08/17/17 07:42	1868-53-7	
Toluene-d8 (S)	99	%	64-150	1		08/17/17 07:42	2037-26-5	
4-Bromofluorobenzene (S)	103	%	51-142	1		08/17/17 07:42	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>16.9</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-17 (013015) Lab ID: 50177568010 Collected: 08/10/17 10:06 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:00	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	89	%	30-94	1	08/14/17 10:10	08/15/17 06:00	321-60-8	
p-Terphenyl-d14 (S)	108	%	27-102	1	08/14/17 10:10	08/15/17 06:00	1718-51-0	S3

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.084	1		08/17/17 08:16	67-64-1	
Acrolein	ND	mg/kg	0.084	1		08/17/17 08:16	107-02-8	
Acrylonitrile	ND	mg/kg	0.084	1		08/17/17 08:16	107-13-1	
Benzene	ND	mg/kg	0.0042	1		08/17/17 08:16	71-43-2	
Bromobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	108-86-1	
Bromochloromethane	ND	mg/kg	0.0042	1		08/17/17 08:16	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0042	1		08/17/17 08:16	75-27-4	
Bromoform	ND	mg/kg	0.0042	1		08/17/17 08:16	75-25-2	
Bromomethane	ND	mg/kg	0.0042	1		08/17/17 08:16	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	1		08/17/17 08:16	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	98-06-6	
Carbon disulfide	ND	mg/kg	0.0084	1		08/17/17 08:16	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	1		08/17/17 08:16	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	108-90-7	
Chloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	75-00-3	
Chloroform	ND	mg/kg	0.0042	1		08/17/17 08:16	67-66-3	
Chloromethane	ND	mg/kg	0.0042	1		08/17/17 08:16	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0042	1		08/17/17 08:16	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0042	1		08/17/17 08:16	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0042	1		08/17/17 08:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0042	1		08/17/17 08:16	106-93-4	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-17 (013015) Lab ID: 50177568010 Collected: 08/10/17 10:06 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0042	1		08/17/17 08:16	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.084	1		08/17/17 08:16	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0042	1		08/17/17 08:16	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 08:16	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 08:16	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/17/17 08:16	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 08:16	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 08:16	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0042	1		08/17/17 08:16	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 08:16	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 08:16	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/17/17 08:16	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.084	1		08/17/17 08:16	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0042	1		08/17/17 08:16	87-68-3	
n-Hexane	ND	mg/kg	0.0042	1		08/17/17 08:16	110-54-3	
2-Hexanone	ND	mg/kg	0.084	1		08/17/17 08:16	591-78-6	
Iodomethane	ND	mg/kg	0.084	1		08/17/17 08:16	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0042	1		08/17/17 08:16	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0042	1		08/17/17 08:16	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	1		08/17/17 08:16	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0084	1		08/17/17 08:16	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0084	1		08/17/17 08:16	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1		08/17/17 08:16	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	1		08/17/17 08:16	1634-04-4	
Naphthalene	ND	mg/kg	0.0042	1		08/17/17 08:16	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	103-65-1	
Styrene	ND	mg/kg	0.0042	1		08/17/17 08:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	1		08/17/17 08:16	127-18-4	
Toluene	ND	mg/kg	0.0042	1		08/17/17 08:16	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	1		08/17/17 08:16	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	1		08/17/17 08:16	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	1		08/17/17 08:16	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0042	1		08/17/17 08:16	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	1		08/17/17 08:16	108-67-8	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-17 (013015)**      **Lab ID: 50177568010**      Collected: 08/10/17 10:06      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.084	1		08/17/17 08:16	108-05-4	
Vinyl chloride	ND	mg/kg	0.0042	1		08/17/17 08:16	75-01-4	
Xylene (Total)	ND	mg/kg	0.0084	1		08/17/17 08:16	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	129	%.	69-136	1		08/17/17 08:16	1868-53-7	
Toluene-d8 (S)	135	%.	64-150	1		08/17/17 08:16	2037-26-5	
4-Bromofluorobenzene (S)	75	%.	51-142	1		08/17/17 08:16	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>9.2</b>	%	0.10	1		08/18/17 09:37		

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-18 (002004) Lab ID: 50177568011 Collected: 08/10/17 09:10 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.3	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:53	7440-38-2	
Barium	45.7	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:53	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	08/16/17 11:28	08/18/17 14:53	7440-43-9	
Chromium	10.7	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:53	7440-47-3	
Lead	5.2	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:53	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:53	7782-49-2	
Silver	ND	mg/kg	0.54	1	08/16/17 11:28	08/18/17 14:53	7440-22-4	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	08/22/17 00:05	08/22/17 10:03	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 06:16	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	82	%.	30-94	1	08/14/17 10:10	08/15/17 06:16	321-60-8	
p-Terphenyl-d14 (S)	94	%.	27-102	1	08/14/17 10:10	08/15/17 06:16	1718-51-0	
<b>8260 MSV 5035A VOA</b> Analytical Method: EPA 8260								
Acetone	0.30	mg/kg	0.11	1		08/18/17 03:18	67-64-1	1d
Acrolein	ND	mg/kg	0.11	1		08/18/17 03:18	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/18/17 03:18	107-13-1	
Benzene	ND	mg/kg	0.0056	1		08/18/17 03:18	71-43-2	
Bromobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	108-86-1	
Bromochloromethane	ND	mg/kg	0.0056	1		08/18/17 03:18	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0056	1		08/18/17 03:18	75-27-4	
Bromoform	ND	mg/kg	0.0056	1		08/18/17 03:18	75-25-2	
Bromomethane	ND	mg/kg	0.0056	1		08/18/17 03:18	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	1		08/18/17 03:18	78-93-3	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-18 (002004) Lab ID: 50177568011 Collected: 08/10/17 09:10 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/18/17 03:18	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0056	1		08/18/17 03:18	56-23-5	
Chlorobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	108-90-7	
Chloroethane	ND	mg/kg	0.0056	1		08/18/17 03:18	75-00-3	
Chloroform	ND	mg/kg	0.0056	1		08/18/17 03:18	67-66-3	
Chloromethane	ND	mg/kg	0.0056	1		08/18/17 03:18	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0056	1		08/18/17 03:18	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0056	1		08/18/17 03:18	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0056	1		08/18/17 03:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0056	1		08/18/17 03:18	106-93-4	
Dibromomethane	ND	mg/kg	0.0056	1		08/18/17 03:18	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/18/17 03:18	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0056	1		08/18/17 03:18	75-71-8	
1,1-Dichloroethane	<b>0.014</b>	mg/kg	0.0056	1		08/18/17 03:18	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0056	1		08/18/17 03:18	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0056	1		08/18/17 03:18	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0056	1		08/18/17 03:18	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0056	1		08/18/17 03:18	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0056	1		08/18/17 03:18	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0056	1		08/18/17 03:18	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0056	1		08/18/17 03:18	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0056	1		08/18/17 03:18	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0056	1		08/18/17 03:18	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0056	1		08/18/17 03:18	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/18/17 03:18	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0056	1		08/18/17 03:18	87-68-3	
n-Hexane	ND	mg/kg	0.0056	1		08/18/17 03:18	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/18/17 03:18	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/18/17 03:18	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0056	1		08/18/17 03:18	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0056	1		08/18/17 03:18	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	1		08/18/17 03:18	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/18/17 03:18	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/18/17 03:18	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	1		08/18/17 03:18	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0056	1		08/18/17 03:18	1634-04-4	
Naphthalene	<b>0.017</b>	mg/kg	0.0056	1		08/18/17 03:18	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	103-65-1	
Styrene	ND	mg/kg	0.0056	1		08/18/17 03:18	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: **RE-SB-SB-18 (002004)** Lab ID: **50177568011** Collected: 08/10/17 09:10 Received: 08/11/17 16:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0056	1		08/18/17 03:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0056	1		08/18/17 03:18	79-34-5	
Tetrachloroethene	<b>0.012</b>	mg/kg	0.0056	1		08/18/17 03:18	127-18-4	
Toluene	ND	mg/kg	0.0056	1		08/18/17 03:18	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	120-82-1	
1,1,1-Trichloroethane	<b>0.055</b>	mg/kg	0.0056	1		08/18/17 03:18	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0056	1		08/18/17 03:18	79-00-5	
Trichloroethene	<b>0.069</b>	mg/kg	0.0056	1		08/18/17 03:18	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0056	1		08/18/17 03:18	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0056	1		08/18/17 03:18	96-18-4	
1,2,4-Trimethylbenzene	<b>0.012</b>	mg/kg	0.0056	1		08/18/17 03:18	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0056	1		08/18/17 03:18	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/18/17 03:18	108-05-4	
Vinyl chloride	ND	mg/kg	0.0056	1		08/18/17 03:18	75-01-4	
Xylene (Total)	<b>0.031</b>	mg/kg	0.011	1		08/18/17 03:18	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	70	%	69-136	1		08/18/17 03:18	1868-53-7	
Toluene-d8 (S)	107	%	64-150	1		08/18/17 03:18	2037-26-5	
4-Bromofluorobenzene (S)	96	%	51-142	1		08/18/17 03:18	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>10.0</b>	%	0.10	1		08/18/17 09:37		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-18 (014016)**    **Lab ID: 50177568012**    Collected: 08/10/17 09:31    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	83-32-9	
Acenaphthylene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	208-96-8	
Anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	207-08-9	
Chrysene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	53-70-3	
Fluoranthene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	206-44-0	
Fluorene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	91-57-6	
Naphthalene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	91-20-3	
Phenanthrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	85-01-8	
Pyrene	ND	mg/kg	0.0054	1	08/14/17 10:10	08/15/17 06:33	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	83	%	30-94	1	08/14/17 10:10	08/15/17 06:33	321-60-8	
p-Terphenyl-d14 (S)	99	%	27-102	1	08/14/17 10:10	08/15/17 06:33	1718-51-0	

**8260 MSV 5035A VOA**                      Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.077	1		08/17/17 09:23	67-64-1	
Acrolein	ND	mg/kg	0.077	1		08/17/17 09:23	107-02-8	
Acrylonitrile	ND	mg/kg	0.077	1		08/17/17 09:23	107-13-1	
Benzene	ND	mg/kg	0.0038	1		08/17/17 09:23	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1		08/17/17 09:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1		08/17/17 09:23	75-27-4	
Bromoform	ND	mg/kg	0.0038	1		08/17/17 09:23	75-25-2	
Bromomethane	ND	mg/kg	0.0038	1		08/17/17 09:23	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/17/17 09:23	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	1		08/17/17 09:23	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1		08/17/17 09:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	108-90-7	
Chloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	75-00-3	
Chloroform	ND	mg/kg	0.0038	1		08/17/17 09:23	67-66-3	
Chloromethane	ND	mg/kg	0.0038	1		08/17/17 09:23	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 09:23	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 09:23	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	1		08/17/17 09:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1		08/17/17 09:23	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-18 (014016) Lab ID: 50177568012 Collected: 08/10/17 09:31 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0038	1		08/17/17 09:23	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	1		08/17/17 09:23	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	1		08/17/17 09:23	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 09:23	75-35-4	
cis-1,2-Dichloroethene	<b>0.0044</b>	mg/kg	0.0038	1		08/17/17 09:23	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 09:23	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 09:23	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 09:23	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 09:23	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 09:23	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 09:23	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 09:23	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	1		08/17/17 09:23	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0038	1		08/17/17 09:23	87-68-3	
n-Hexane	ND	mg/kg	0.0038	1		08/17/17 09:23	110-54-3	
2-Hexanone	ND	mg/kg	0.077	1		08/17/17 09:23	591-78-6	
Iodomethane	ND	mg/kg	0.077	1		08/17/17 09:23	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1		08/17/17 09:23	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	1		08/17/17 09:23	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/17/17 09:23	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0077	1		08/17/17 09:23	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0077	1		08/17/17 09:23	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/17/17 09:23	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1		08/17/17 09:23	1634-04-4	
Naphthalene	ND	mg/kg	0.0038	1		08/17/17 09:23	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	103-65-1	
Styrene	ND	mg/kg	0.0038	1		08/17/17 09:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	1		08/17/17 09:23	127-18-4	
Toluene	ND	mg/kg	0.0038	1		08/17/17 09:23	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 09:23	79-00-5	
Trichloroethene	ND	mg/kg	0.0038	1		08/17/17 09:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	1		08/17/17 09:23	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1		08/17/17 09:23	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 09:23	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-18 (014016)**      **Lab ID: 50177568012**      Collected: 08/10/17 09:31      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.077	1		08/17/17 09:23	108-05-4	
Vinyl chloride	ND	mg/kg	0.0038	1		08/17/17 09:23	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	1		08/17/17 09:23	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	123	%	69-136	1		08/17/17 09:23	1868-53-7	
Toluene-d8 (S)	140	%	64-150	1		08/17/17 09:23	2037-26-5	
4-Bromofluorobenzene (S)	72	%	51-142	1		08/17/17 09:23	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>8.0</b>	%	0.10	1		08/18/17 09:37		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-19 (002004) Lab ID: 50177568013 Collected: 08/10/17 10:38 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	20.7	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:59	7440-38-2	
Barium	133	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:59	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	08/16/17 11:28	08/18/17 14:59	7440-43-9	
Chromium	21.3	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:59	7440-47-3	
Lead	19.0	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:59	7439-92-1	
Selenium	ND	mg/kg	1.1	1	08/16/17 11:28	08/18/17 14:59	7782-49-2	
Silver	ND	mg/kg	0.54	1	08/16/17 11:28	08/18/17 14:59	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.25	1	08/22/17 00:05	08/22/17 10:06	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	83-32-9	
Acenaphthylene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	208-96-8	
Anthracene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	207-08-9	
Chrysene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	53-70-3	
Fluoranthene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	206-44-0	
Fluorene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	91-57-6	
Naphthalene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	91-20-3	
Phenanthrene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	85-01-8	
Pyrene	ND	mg/kg	0.0063	1	08/14/17 10:10	08/15/17 06:49	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	66	%.	30-94	1	08/14/17 10:10	08/15/17 06:49	321-60-8	
p-Terphenyl-d14 (S)	81	%.	27-102	1	08/14/17 10:10	08/15/17 06:49	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.11	1		08/17/17 09:56	67-64-1	
Acrolein	ND	mg/kg	0.11	1		08/17/17 09:56	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/17/17 09:56	107-13-1	
Benzene	ND	mg/kg	0.0053	1		08/17/17 09:56	71-43-2	
Bromobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	108-86-1	
Bromochloromethane	ND	mg/kg	0.0053	1		08/17/17 09:56	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0053	1		08/17/17 09:56	75-27-4	
Bromoform	ND	mg/kg	0.0053	1		08/17/17 09:56	75-25-2	
Bromomethane	ND	mg/kg	0.0053	1		08/17/17 09:56	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	1		08/17/17 09:56	78-93-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-19 (002004) Lab ID: 50177568013 Collected: 08/10/17 10:38 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/17/17 09:56	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	1		08/17/17 09:56	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	108-90-7	
Chloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	75-00-3	
Chloroform	ND	mg/kg	0.0053	1		08/17/17 09:56	67-66-3	
Chloromethane	ND	mg/kg	0.0053	1		08/17/17 09:56	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0053	1		08/17/17 09:56	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0053	1		08/17/17 09:56	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0053	1		08/17/17 09:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0053	1		08/17/17 09:56	106-93-4	
Dibromomethane	ND	mg/kg	0.0053	1		08/17/17 09:56	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/17/17 09:56	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0053	1		08/17/17 09:56	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	1		08/17/17 09:56	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	1		08/17/17 09:56	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	1		08/17/17 09:56	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	1		08/17/17 09:56	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0053	1		08/17/17 09:56	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0053	1		08/17/17 09:56	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0053	1		08/17/17 09:56	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	1		08/17/17 09:56	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	1		08/17/17 09:56	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/17/17 09:56	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0053	1		08/17/17 09:56	87-68-3	
n-Hexane	ND	mg/kg	0.0053	1		08/17/17 09:56	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/17/17 09:56	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/17/17 09:56	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0053	1		08/17/17 09:56	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0053	1		08/17/17 09:56	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	1		08/17/17 09:56	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/17/17 09:56	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/17/17 09:56	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	1		08/17/17 09:56	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	1		08/17/17 09:56	1634-04-4	
Naphthalene	ND	mg/kg	0.0053	1		08/17/17 09:56	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	103-65-1	
Styrene	ND	mg/kg	0.0053	1		08/17/17 09:56	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-19 (002004)**    **Lab ID: 50177568013**    Collected: 08/10/17 10:38    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	1		08/17/17 09:56	127-18-4	
Toluene	ND	mg/kg	0.0053	1		08/17/17 09:56	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	1		08/17/17 09:56	79-00-5	
Trichloroethene	ND	mg/kg	0.0053	1		08/17/17 09:56	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	1		08/17/17 09:56	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0053	1		08/17/17 09:56	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0053	1		08/17/17 09:56	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/17/17 09:56	108-05-4	
Vinyl chloride	ND	mg/kg	0.0053	1		08/17/17 09:56	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/17/17 09:56	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	112	%	69-136	1		08/17/17 09:56	1868-53-7	
Toluene-d8 (S)	103	%	64-150	1		08/17/17 09:56	2037-26-5	
4-Bromofluorobenzene (S)	101	%	51-142	1		08/17/17 09:56	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>21.3</b>	%	0.10	1		08/18/17 09:37		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-19 (012014) Lab ID: 50177568014 Collected: 08/10/17 10:58 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	83-32-9	
Acenaphthylene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	208-96-8	
Anthracene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	207-08-9	
Chrysene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	53-70-3	
Fluoranthene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	206-44-0	
Fluorene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	91-57-6	
Naphthalene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	91-20-3	
Phenanthrene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	85-01-8	
Pyrene	ND	mg/kg	0.0053	1	08/14/17 10:10	08/15/17 07:06	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	79	%.	30-94	1	08/14/17 10:10	08/15/17 07:06	321-60-8	
p-Terphenyl-d14 (S)	98	%.	27-102	1	08/14/17 10:10	08/15/17 07:06	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.077	1		08/17/17 10:30	67-64-1	
Acrolein	ND	mg/kg	0.077	1		08/17/17 10:30	107-02-8	
Acrylonitrile	ND	mg/kg	0.077	1		08/17/17 10:30	107-13-1	
Benzene	ND	mg/kg	0.0038	1		08/17/17 10:30	71-43-2	
Bromobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1		08/17/17 10:30	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1		08/17/17 10:30	75-27-4	
Bromoform	ND	mg/kg	0.0038	1		08/17/17 10:30	75-25-2	
Bromomethane	ND	mg/kg	0.0038	1		08/17/17 10:30	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.019	1		08/17/17 10:30	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	98-06-6	
Carbon disulfide	ND	mg/kg	0.0077	1		08/17/17 10:30	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1		08/17/17 10:30	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	108-90-7	
Chloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	75-00-3	
Chloroform	ND	mg/kg	0.0038	1		08/17/17 10:30	67-66-3	
Chloromethane	ND	mg/kg	0.0038	1		08/17/17 10:30	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 10:30	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0038	1		08/17/17 10:30	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0038	1		08/17/17 10:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1		08/17/17 10:30	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-19 (012014) Lab ID: 50177568014 Collected: 08/10/17 10:58 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0038	1		08/17/17 10:30	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.077	1		08/17/17 10:30	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0038	1		08/17/17 10:30	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0038	1		08/17/17 10:30	75-35-4	
cis-1,2-Dichloroethene	<b>0.13</b>	mg/kg	0.0038	1		08/17/17 10:30	156-59-2	
trans-1,2-Dichloroethene	<b>0.13</b>	mg/kg	0.0038	1		08/17/17 10:30	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 10:30	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 10:30	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0038	1		08/17/17 10:30	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 10:30	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 10:30	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1		08/17/17 10:30	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.077	1		08/17/17 10:30	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0038	1		08/17/17 10:30	87-68-3	
n-Hexane	ND	mg/kg	0.0038	1		08/17/17 10:30	110-54-3	
2-Hexanone	ND	mg/kg	0.077	1		08/17/17 10:30	591-78-6	
Iodomethane	ND	mg/kg	0.077	1		08/17/17 10:30	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1		08/17/17 10:30	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0038	1		08/17/17 10:30	99-87-6	
Methylene Chloride	ND	mg/kg	0.015	1		08/17/17 10:30	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0077	1		08/17/17 10:30	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0077	1		08/17/17 10:30	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1		08/17/17 10:30	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1		08/17/17 10:30	1634-04-4	
Naphthalene	ND	mg/kg	0.0038	1		08/17/17 10:30	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	103-65-1	
Styrene	ND	mg/kg	0.0038	1		08/17/17 10:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0038	1		08/17/17 10:30	127-18-4	
Toluene	ND	mg/kg	0.0038	1		08/17/17 10:30	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1		08/17/17 10:30	79-00-5	
Trichloroethene	<b>5.3</b>	mg/kg	0.21	50		08/18/17 00:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0038	1		08/17/17 10:30	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1		08/17/17 10:30	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1		08/17/17 10:30	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-19 (012014)**      **Lab ID: 50177568014**      Collected: 08/10/17 10:58      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.077	1		08/17/17 10:30	108-05-4	
Vinyl chloride	<b>0.0080</b>	mg/kg	0.0038	1		08/17/17 10:30	75-01-4	
Xylene (Total)	ND	mg/kg	0.0077	1		08/17/17 10:30	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	110	%.	69-136	1		08/17/17 10:30	1868-53-7	
Toluene-d8 (S)	130	%.	64-150	1		08/17/17 10:30	2037-26-5	
4-Bromofluorobenzene (S)	76	%.	51-142	1		08/17/17 10:30	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>7.8</b>	%	0.10	1		08/18/17 09:37		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-20 (002004) Lab ID: 50177568015 Collected: 08/10/17 11:15 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	16.9	mg/kg	1.2	1	08/16/17 11:28	08/18/17 15:10	7440-38-2	
Barium	219	mg/kg	1.2	1	08/16/17 11:28	08/18/17 15:10	7440-39-3	
Cadmium	ND	mg/kg	0.61	1	08/16/17 11:28	08/18/17 15:10	7440-43-9	
Chromium	20.9	mg/kg	1.2	1	08/16/17 11:28	08/18/17 15:10	7440-47-3	
Lead	15.4	mg/kg	1.2	1	08/16/17 11:28	08/18/17 15:10	7439-92-1	
Selenium	ND	mg/kg	1.2	1	08/16/17 11:28	08/18/17 15:10	7782-49-2	
Silver	ND	mg/kg	0.61	1	08/16/17 11:28	08/18/17 15:10	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.25	1	08/22/17 00:05	08/22/17 10:08	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	83-32-9	
Acenaphthylene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	208-96-8	
Anthracene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	207-08-9	
Chrysene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	53-70-3	
Fluoranthene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	206-44-0	
Fluorene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	91-57-6	
Naphthalene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	91-20-3	
Phenanthrene	0.0098	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	85-01-8	
Pyrene	ND	mg/kg	0.0061	1	08/14/17 10:10	08/15/17 07:22	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	69	%	30-94	1	08/14/17 10:10	08/15/17 07:22	321-60-8	
p-Terphenyl-d14 (S)	89	%	27-102	1	08/14/17 10:10	08/15/17 07:22	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	ND	mg/kg	0.11	1		08/17/17 11:03	67-64-1	
Acrolein	ND	mg/kg	0.11	1		08/17/17 11:03	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/17/17 11:03	107-13-1	
Benzene	ND	mg/kg	0.0053	1		08/17/17 11:03	71-43-2	
Bromobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	108-86-1	
Bromochloromethane	ND	mg/kg	0.0053	1		08/17/17 11:03	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0053	1		08/17/17 11:03	75-27-4	
Bromoform	ND	mg/kg	0.0053	1		08/17/17 11:03	75-25-2	
Bromomethane	ND	mg/kg	0.0053	1		08/17/17 11:03	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.026	1		08/17/17 11:03	78-93-3	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-20 (002004) Lab ID: 50177568015 Collected: 08/10/17 11:15 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/17/17 11:03	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	1		08/17/17 11:03	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	108-90-7	
Chloroethane	ND	mg/kg	0.0053	1		08/17/17 11:03	75-00-3	
Chloroform	ND	mg/kg	0.0053	1		08/17/17 11:03	67-66-3	
Chloromethane	ND	mg/kg	0.0053	1		08/17/17 11:03	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0053	1		08/17/17 11:03	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0053	1		08/17/17 11:03	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0053	1		08/17/17 11:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0053	1		08/17/17 11:03	106-93-4	
Dibromomethane	ND	mg/kg	0.0053	1		08/17/17 11:03	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/17/17 11:03	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0053	1		08/17/17 11:03	75-71-8	
1,1-Dichloroethane	<b>0.013</b>	mg/kg	0.0053	1		08/17/17 11:03	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	1		08/17/17 11:03	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	1		08/17/17 11:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	1		08/17/17 11:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	1		08/17/17 11:03	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	1		08/17/17 11:03	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0053	1		08/17/17 11:03	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0053	1		08/17/17 11:03	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0053	1		08/17/17 11:03	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	1		08/17/17 11:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	1		08/17/17 11:03	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/17/17 11:03	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0053	1		08/17/17 11:03	87-68-3	
n-Hexane	ND	mg/kg	0.0053	1		08/17/17 11:03	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/17/17 11:03	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/17/17 11:03	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0053	1		08/17/17 11:03	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0053	1		08/17/17 11:03	99-87-6	
Methylene Chloride	ND	mg/kg	0.021	1		08/17/17 11:03	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/17/17 11:03	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/17/17 11:03	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	1		08/17/17 11:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	1		08/17/17 11:03	1634-04-4	
Naphthalene	ND	mg/kg	0.0053	1		08/17/17 11:03	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	103-65-1	
Styrene	ND	mg/kg	0.0053	1		08/17/17 11:03	100-42-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-20 (002004)**    **Lab ID: 50177568015**    Collected: 08/10/17 11:15    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	1		08/17/17 11:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	1		08/17/17 11:03	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	1		08/17/17 11:03	127-18-4	
Toluene	ND	mg/kg	0.0053	1		08/17/17 11:03	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	120-82-1	
1,1,1-Trichloroethane	<b>0.026</b>	mg/kg	0.0053	1		08/17/17 11:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	1		08/17/17 11:03	79-00-5	
Trichloroethene	ND	mg/kg	0.0053	1		08/17/17 11:03	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	1		08/17/17 11:03	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0053	1		08/17/17 11:03	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0053	1		08/17/17 11:03	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/17/17 11:03	108-05-4	
Vinyl chloride	ND	mg/kg	0.0053	1		08/17/17 11:03	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/17/17 11:03	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	109	%	69-136	1		08/17/17 11:03	1868-53-7	
Toluene-d8 (S)	99	%	64-150	1		08/17/17 11:03	2037-26-5	
4-Bromofluorobenzene (S)	100	%	51-142	1		08/17/17 11:03	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>18.6</b>	%	0.10	1		08/18/17 09:38		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-20 (014016) Lab ID: 50177568016 Collected: 08/10/17 11:24 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	83-32-9	
Acenaphthylene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	208-96-8	
Anthracene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	207-08-9	
Chrysene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	53-70-3	
Fluoranthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	206-44-0	
Fluorene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	91-57-6	
Naphthalene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	91-20-3	
Phenanthrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	85-01-8	
Pyrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 07:39	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	79	%.	30-94	1	08/14/17 10:10	08/15/17 07:39	321-60-8	
p-Terphenyl-d14 (S)	104	%.	27-102	1	08/14/17 10:10	08/15/17 07:39	1718-51-0	S3

#### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.097	1		08/18/17 03:52	67-64-1	
Acrolein	ND	mg/kg	0.097	1		08/18/17 03:52	107-02-8	
Acrylonitrile	ND	mg/kg	0.097	1		08/18/17 03:52	107-13-1	
Benzene	ND	mg/kg	0.0048	1		08/18/17 03:52	71-43-2	
Bromobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	1		08/18/17 03:52	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	1		08/18/17 03:52	75-27-4	
Bromoform	ND	mg/kg	0.0048	1		08/18/17 03:52	75-25-2	
Bromomethane	ND	mg/kg	0.0048	1		08/18/17 03:52	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.024	1		08/18/17 03:52	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	98-06-6	
Carbon disulfide	ND	mg/kg	0.0097	1		08/18/17 03:52	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	1		08/18/17 03:52	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	108-90-7	
Chloroethane	ND	mg/kg	0.0048	1		08/18/17 03:52	75-00-3	
Chloroform	ND	mg/kg	0.0048	1		08/18/17 03:52	67-66-3	
Chloromethane	ND	mg/kg	0.0048	1		08/18/17 03:52	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0048	1		08/18/17 03:52	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0048	1		08/18/17 03:52	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0048	1		08/18/17 03:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0048	1		08/18/17 03:52	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-20 (014016) Lab ID: 50177568016 Collected: 08/10/17 11:24 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0048	1		08/18/17 03:52	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.097	1		08/18/17 03:52	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0048	1		08/18/17 03:52	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0048	1		08/18/17 03:52	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	1		08/18/17 03:52	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	1		08/18/17 03:52	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	1		08/18/17 03:52	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	1		08/18/17 03:52	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	1		08/18/17 03:52	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0048	1		08/18/17 03:52	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0048	1		08/18/17 03:52	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0048	1		08/18/17 03:52	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	1		08/18/17 03:52	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	1		08/18/17 03:52	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.097	1		08/18/17 03:52	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0048	1		08/18/17 03:52	87-68-3	
n-Hexane	ND	mg/kg	0.0048	1		08/18/17 03:52	110-54-3	
2-Hexanone	ND	mg/kg	0.097	1		08/18/17 03:52	591-78-6	
Iodomethane	ND	mg/kg	0.097	1		08/18/17 03:52	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	1		08/18/17 03:52	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0048	1		08/18/17 03:52	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		08/18/17 03:52	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0097	1		08/18/17 03:52	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0097	1		08/18/17 03:52	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1		08/18/17 03:52	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	1		08/18/17 03:52	1634-04-4	
Naphthalene	ND	mg/kg	0.0048	1		08/18/17 03:52	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	103-65-1	
Styrene	ND	mg/kg	0.0048	1		08/18/17 03:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	1		08/18/17 03:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	1		08/18/17 03:52	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	1		08/18/17 03:52	127-18-4	
Toluene	ND	mg/kg	0.0048	1		08/18/17 03:52	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	120-82-1	
1,1,1-Trichloroethane	<b>0.016</b>	mg/kg	0.0048	1		08/18/17 03:52	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	1		08/18/17 03:52	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	1		08/18/17 03:52	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	1		08/18/17 03:52	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0048	1		08/18/17 03:52	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	1		08/18/17 03:52	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-20 (014016)**    **Lab ID: 50177568016**    Collected: 08/10/17 11:24    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.097	1		08/18/17 03:52	108-05-4	
Vinyl chloride	ND	mg/kg	0.0048	1		08/18/17 03:52	75-01-4	
Xylene (Total)	ND	mg/kg	0.0097	1		08/18/17 03:52	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	112	%	69-136	1		08/18/17 03:52	1868-53-7	
Toluene-d8 (S)	100	%	64-150	1		08/18/17 03:52	2037-26-5	
4-Bromofluorobenzene (S)	96	%	51-142	1		08/18/17 03:52	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>10.5</b>	%	0.10	1		08/18/17 07:55		

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-23 (002004) Lab ID: 50177568017 Collected: 08/10/17 09:07 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.8	mg/kg	0.95	1	08/16/17 11:28	08/18/17 15:12	7440-38-2	
Barium	9.5	mg/kg	0.95	1	08/16/17 11:28	08/18/17 15:12	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	08/16/17 11:28	08/18/17 15:12	7440-43-9	
Chromium	10.7	mg/kg	0.95	1	08/16/17 11:28	08/18/17 15:12	7440-47-3	
Lead	2.7	mg/kg	0.95	1	08/16/17 11:28	08/18/17 15:12	7439-92-1	
Selenium	ND	mg/kg	0.95	1	08/16/17 11:28	08/18/17 15:12	7782-49-2	
Silver	ND	mg/kg	0.48	1	08/16/17 11:28	08/18/17 15:12	7440-22-4	
<b>7471 Mercury</b>								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.20	1	08/22/17 00:05	08/22/17 10:11	7439-97-6	
<b>8270 MSSV PAH by SIM</b>								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	0.0071	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	83-32-9	
Acenaphthylene	0.019	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	208-96-8	
Anthracene	0.042	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	120-12-7	
Benzo(a)anthracene	0.057	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	56-55-3	
Benzo(a)pyrene	0.033	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	50-32-8	
Benzo(b)fluoranthene	0.038	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	205-99-2	
Benzo(g,h,i)perylene	0.030	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	191-24-2	
Benzo(k)fluoranthene	0.021	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	207-08-9	
Chrysene	0.19	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	218-01-9	
Dibenz(a,h)anthracene	0.0074	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	53-70-3	
Fluoranthene	0.087	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	206-44-0	
Fluorene	0.043	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	86-73-7	
Indeno(1,2,3-cd)pyrene	0.022	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	193-39-5	
1-Methylnaphthalene	0.025	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	90-12-0	N2
2-Methylnaphthalene	0.019	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	91-57-6	
Naphthalene	0.21	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	91-20-3	
Phenanthrene	0.23	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	85-01-8	
Pyrene	0.16	mg/kg	0.0051	1	08/17/17 09:46	08/17/17 18:55	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	50	%.	30-94	1	08/17/17 09:46	08/17/17 18:55	321-60-8	
p-Terphenyl-d14 (S)	47	%.	27-102	1	08/17/17 09:46	08/17/17 18:55	1718-51-0	
<b>8260 MSV 5035A VOA</b>								
Analytical Method: EPA 8260								
Acetone	ND	mg/kg	0.11	1		08/18/17 05:32	67-64-1	
Acrolein	ND	mg/kg	0.11	1		08/18/17 05:32	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/18/17 05:32	107-13-1	
Benzene	ND	mg/kg	0.0054	1		08/18/17 05:32	71-43-2	
Bromobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	1		08/18/17 05:32	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	1		08/18/17 05:32	75-27-4	
Bromoform	ND	mg/kg	0.0054	1		08/18/17 05:32	75-25-2	
Bromomethane	ND	mg/kg	0.0054	1		08/18/17 05:32	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.027	1		08/18/17 05:32	78-93-3	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-23 (002004) Lab ID: 50177568017 Collected: 08/10/17 09:07 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/18/17 05:32	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	1		08/18/17 05:32	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	108-90-7	
Chloroethane	ND	mg/kg	0.0054	1		08/18/17 05:32	75-00-3	
Chloroform	ND	mg/kg	0.0054	1		08/18/17 05:32	67-66-3	
Chloromethane	ND	mg/kg	0.0054	1		08/18/17 05:32	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0054	1		08/18/17 05:32	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0054	1		08/18/17 05:32	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0054	1		08/18/17 05:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0054	1		08/18/17 05:32	106-93-4	
Dibromomethane	ND	mg/kg	0.0054	1		08/18/17 05:32	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/18/17 05:32	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0054	1		08/18/17 05:32	75-71-8	
1,1-Dichloroethane	<b>0.0062</b>	mg/kg	0.0054	1		08/18/17 05:32	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	1		08/18/17 05:32	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	1		08/18/17 05:32	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	1		08/18/17 05:32	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	1		08/18/17 05:32	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	1		08/18/17 05:32	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0054	1		08/18/17 05:32	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0054	1		08/18/17 05:32	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0054	1		08/18/17 05:32	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	1		08/18/17 05:32	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	1		08/18/17 05:32	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/18/17 05:32	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0054	1		08/18/17 05:32	87-68-3	
n-Hexane	ND	mg/kg	0.0054	1		08/18/17 05:32	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/18/17 05:32	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/18/17 05:32	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0054	1		08/18/17 05:32	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0054	1		08/18/17 05:32	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	1		08/18/17 05:32	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/18/17 05:32	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/18/17 05:32	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	1		08/18/17 05:32	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	1		08/18/17 05:32	1634-04-4	
Naphthalene	ND	mg/kg	0.0054	1		08/18/17 05:32	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	103-65-1	
Styrene	ND	mg/kg	0.0054	1		08/18/17 05:32	100-42-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-23 (002004)**    **Lab ID: 50177568017**    Collected: 08/10/17 09:07    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	1		08/18/17 05:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	1		08/18/17 05:32	79-34-5	
Tetrachloroethene	<b>0.14</b>	mg/kg	0.0054	1		08/18/17 05:32	127-18-4	
Toluene	ND	mg/kg	0.0054	1		08/18/17 05:32	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	1		08/18/17 05:32	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	1		08/18/17 05:32	79-00-5	
Trichloroethene	<b>0.0088</b>	mg/kg	0.0054	1		08/18/17 05:32	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	1		08/18/17 05:32	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0054	1		08/18/17 05:32	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0054	1		08/18/17 05:32	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/18/17 05:32	108-05-4	
Vinyl chloride	ND	mg/kg	0.0054	1		08/18/17 05:32	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/18/17 05:32	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	109	%	69-136	1		08/18/17 05:32	1868-53-7	
Toluene-d8 (S)	106	%	64-150	1		08/18/17 05:32	2037-26-5	
4-Bromofluorobenzene (S)	89	%	51-142	1		08/18/17 05:32	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>2.7</b>	%	0.10	1		08/18/17 07:55		

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-23 (016018) Lab ID: 50177568018 Collected: 08/10/17 09:19 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	83-32-9	
Acenaphthylene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	208-96-8	
Anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	207-08-9	
Chrysene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	53-70-3	
Fluoranthene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	206-44-0	
Fluorene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	91-57-6	
Naphthalene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	91-20-3	
Phenanthrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	85-01-8	
Pyrene	ND	mg/kg	0.0055	1	08/14/17 10:10	08/15/17 08:45	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	75	%.	30-94	1	08/14/17 10:10	08/15/17 08:45	321-60-8	
p-Terphenyl-d14 (S)	95	%.	27-102	1	08/14/17 10:10	08/15/17 08:45	1718-51-0	

**8260 MSV 5035A VOA** Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.078	1		08/18/17 06:06	67-64-1	
Acrolein	ND	mg/kg	0.078	1		08/18/17 06:06	107-02-8	
Acrylonitrile	ND	mg/kg	0.078	1		08/18/17 06:06	107-13-1	
Benzene	ND	mg/kg	0.0039	1		08/18/17 06:06	71-43-2	
Bromobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	108-86-1	
Bromochloromethane	ND	mg/kg	0.0039	1		08/18/17 06:06	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0039	1		08/18/17 06:06	75-27-4	
Bromoform	ND	mg/kg	0.0039	1		08/18/17 06:06	75-25-2	
Bromomethane	ND	mg/kg	0.0039	1		08/18/17 06:06	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.020	1		08/18/17 06:06	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	98-06-6	
Carbon disulfide	ND	mg/kg	0.0078	1		08/18/17 06:06	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0039	1		08/18/17 06:06	56-23-5	
Chlorobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	108-90-7	
Chloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	75-00-3	
Chloroform	ND	mg/kg	0.0039	1		08/18/17 06:06	67-66-3	
Chloromethane	ND	mg/kg	0.0039	1		08/18/17 06:06	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0039	1		08/18/17 06:06	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0039	1		08/18/17 06:06	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0039	1		08/18/17 06:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0039	1		08/18/17 06:06	106-93-4	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-23 (016018) Lab ID: 50177568018 Collected: 08/10/17 09:19 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0039	1		08/18/17 06:06	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.078	1		08/18/17 06:06	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0039	1		08/18/17 06:06	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0039	1		08/18/17 06:06	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/18/17 06:06	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	1		08/18/17 06:06	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0039	1		08/18/17 06:06	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0039	1		08/18/17 06:06	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0039	1		08/18/17 06:06	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0039	1		08/18/17 06:06	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/18/17 06:06	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	1		08/18/17 06:06	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.078	1		08/18/17 06:06	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0039	1		08/18/17 06:06	87-68-3	
n-Hexane	ND	mg/kg	0.0039	1		08/18/17 06:06	110-54-3	
2-Hexanone	ND	mg/kg	0.078	1		08/18/17 06:06	591-78-6	
Iodomethane	ND	mg/kg	0.078	1		08/18/17 06:06	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0039	1		08/18/17 06:06	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0039	1		08/18/17 06:06	99-87-6	
Methylene Chloride	ND	mg/kg	0.016	1		08/18/17 06:06	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0078	1		08/18/17 06:06	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0078	1		08/18/17 06:06	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1		08/18/17 06:06	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0039	1		08/18/17 06:06	1634-04-4	
Naphthalene	ND	mg/kg	0.0039	1		08/18/17 06:06	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	103-65-1	
Styrene	ND	mg/kg	0.0039	1		08/18/17 06:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0039	1		08/18/17 06:06	127-18-4	
Toluene	ND	mg/kg	0.0039	1		08/18/17 06:06	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0039	1		08/18/17 06:06	79-00-5	
Trichloroethene	ND	mg/kg	0.0039	1		08/18/17 06:06	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0039	1		08/18/17 06:06	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0039	1		08/18/17 06:06	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	1		08/18/17 06:06	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-23 (016018)**      **Lab ID: 50177568018**      Collected: 08/10/17 09:19      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.078	1		08/18/17 06:06	108-05-4	
Vinyl chloride	ND	mg/kg	0.0039	1		08/18/17 06:06	75-01-4	
Xylene (Total)	ND	mg/kg	0.0078	1		08/18/17 06:06	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	124	%.	69-136	1		08/18/17 06:06	1868-53-7	
Toluene-d8 (S)	140	%.	64-150	1		08/18/17 06:06	2037-26-5	
4-Bromofluorobenzene (S)	71	%.	51-142	1		08/18/17 06:06	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>9.9</b>	%	0.10	1		08/18/17 07:55		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-30 (002004) Lab ID: 50177568019 Collected: 08/10/17 11:25 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	9.2	mg/kg	0.97	1	08/16/17 11:28	08/18/17 15:14	7440-38-2	
Barium	60.6	mg/kg	0.97	1	08/16/17 11:28	08/18/17 15:14	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	08/16/17 11:28	08/18/17 15:14	7440-43-9	
Chromium	14.0	mg/kg	0.97	1	08/16/17 11:28	08/18/17 15:14	7440-47-3	
Lead	8.7	mg/kg	0.97	1	08/16/17 11:28	08/18/17 15:14	7439-92-1	
Selenium	ND	mg/kg	0.97	1	08/16/17 11:28	08/18/17 15:14	7782-49-2	
Silver	ND	mg/kg	0.48	1	08/16/17 11:28	08/18/17 15:14	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.23	1	08/22/17 00:05	08/22/17 10:13	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	83-32-9	
Acenaphthylene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	208-96-8	
Anthracene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	207-08-9	
Chrysene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	53-70-3	
Fluoranthene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	206-44-0	
Fluorene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	91-57-6	
Naphthalene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	91-20-3	
Phenanthrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	85-01-8	
Pyrene	ND	mg/kg	0.0056	1	08/14/17 10:10	08/15/17 09:01	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	79	%.	30-94	1	08/14/17 10:10	08/15/17 09:01	321-60-8	
p-Terphenyl-d14 (S)	98	%.	27-102	1	08/14/17 10:10	08/15/17 09:01	1718-51-0	
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Acetone	0.15	mg/kg	0.11	1		08/18/17 06:39	67-64-1	1d
Acrolein	ND	mg/kg	0.11	1		08/18/17 06:39	107-02-8	
Acrylonitrile	ND	mg/kg	0.11	1		08/18/17 06:39	107-13-1	
Benzene	ND	mg/kg	0.0056	1		08/18/17 06:39	71-43-2	
Bromobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	108-86-1	
Bromochloromethane	ND	mg/kg	0.0056	1		08/18/17 06:39	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0056	1		08/18/17 06:39	75-27-4	
Bromoform	ND	mg/kg	0.0056	1		08/18/17 06:39	75-25-2	
Bromomethane	ND	mg/kg	0.0056	1		08/18/17 06:39	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.028	1		08/18/17 06:39	78-93-3	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-30 (002004) Lab ID: 50177568019 Collected: 08/10/17 11:25 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
n-Butylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	98-06-6	
Carbon disulfide	ND	mg/kg	0.011	1		08/18/17 06:39	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0056	1		08/18/17 06:39	56-23-5	
Chlorobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	108-90-7	
Chloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	75-00-3	
Chloroform	ND	mg/kg	0.0056	1		08/18/17 06:39	67-66-3	
Chloromethane	ND	mg/kg	0.0056	1		08/18/17 06:39	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0056	1		08/18/17 06:39	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0056	1		08/18/17 06:39	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0056	1		08/18/17 06:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0056	1		08/18/17 06:39	106-93-4	
Dibromomethane	ND	mg/kg	0.0056	1		08/18/17 06:39	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.11	1		08/18/17 06:39	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0056	1		08/18/17 06:39	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0056	1		08/18/17 06:39	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0056	1		08/18/17 06:39	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0056	1		08/18/17 06:39	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0056	1		08/18/17 06:39	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0056	1		08/18/17 06:39	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0056	1		08/18/17 06:39	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0056	1		08/18/17 06:39	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0056	1		08/18/17 06:39	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0056	1		08/18/17 06:39	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.11	1		08/18/17 06:39	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0056	1		08/18/17 06:39	87-68-3	
n-Hexane	ND	mg/kg	0.0056	1		08/18/17 06:39	110-54-3	
2-Hexanone	ND	mg/kg	0.11	1		08/18/17 06:39	591-78-6	
Iodomethane	ND	mg/kg	0.11	1		08/18/17 06:39	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0056	1		08/18/17 06:39	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0056	1		08/18/17 06:39	99-87-6	
Methylene Chloride	ND	mg/kg	0.022	1		08/18/17 06:39	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.011	1		08/18/17 06:39	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.011	1		08/18/17 06:39	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	1		08/18/17 06:39	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0056	1		08/18/17 06:39	1634-04-4	
Naphthalene	ND	mg/kg	0.0056	1		08/18/17 06:39	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	103-65-1	
Styrene	ND	mg/kg	0.0056	1		08/18/17 06:39	100-42-5	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-30 (002004)**    **Lab ID: 50177568019**    Collected: 08/10/17 11:25    Received: 08/11/17 16:05    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0056	1		08/18/17 06:39	127-18-4	
Toluene	ND	mg/kg	0.0056	1		08/18/17 06:39	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0056	1		08/18/17 06:39	79-00-5	
Trichloroethene	<b>0.012</b>	mg/kg	0.0056	1		08/18/17 06:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0056	1		08/18/17 06:39	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0056	1		08/18/17 06:39	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0056	1		08/18/17 06:39	108-67-8	
Vinyl acetate	ND	mg/kg	0.11	1		08/18/17 06:39	108-05-4	
Vinyl chloride	ND	mg/kg	0.0056	1		08/18/17 06:39	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1		08/18/17 06:39	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	98	%	69-136	1		08/18/17 06:39	1868-53-7	
Toluene-d8 (S)	103	%	64-150	1		08/18/17 06:39	2037-26-5	
4-Bromofluorobenzene (S)	95	%	51-142	1		08/18/17 06:39	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>11.7</b>	%	0.10	1		08/18/17 07:55		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-30 (016018) Lab ID: 50177568020 Collected: 08/10/17 11:58 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546						
Acenaphthene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	83-32-9	
Acenaphthylene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	208-96-8	
Anthracene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	207-08-9	
Chrysene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	53-70-3	
Fluoranthene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	206-44-0	
Fluorene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	91-57-6	
Naphthalene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	91-20-3	
Phenanthrene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	85-01-8	
Pyrene	ND	mg/kg	0.0057	1	08/14/17 10:10	08/15/17 09:18	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	71	%.	30-94	1	08/14/17 10:10	08/15/17 09:18	321-60-8	
p-Terphenyl-d14 (S)	102	%.	27-102	1	08/14/17 10:10	08/15/17 09:18	1718-51-0	

#### 8260 MSV 5035A VOA

Analytical Method: EPA 8260

Acetone	ND	mg/kg	0.085	1		08/18/17 07:13	67-64-1	
Acrolein	ND	mg/kg	0.085	1		08/18/17 07:13	107-02-8	
Acrylonitrile	ND	mg/kg	0.085	1		08/18/17 07:13	107-13-1	
Benzene	ND	mg/kg	0.0042	1		08/18/17 07:13	71-43-2	
Bromobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	108-86-1	
Bromochloromethane	ND	mg/kg	0.0042	1		08/18/17 07:13	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0042	1		08/18/17 07:13	75-27-4	
Bromoform	ND	mg/kg	0.0042	1		08/18/17 07:13	75-25-2	
Bromomethane	ND	mg/kg	0.0042	1		08/18/17 07:13	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.021	1		08/18/17 07:13	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	98-06-6	
Carbon disulfide	ND	mg/kg	0.0085	1		08/18/17 07:13	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	1		08/18/17 07:13	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	108-90-7	
Chloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	75-00-3	
Chloroform	ND	mg/kg	0.0042	1		08/18/17 07:13	67-66-3	
Chloromethane	ND	mg/kg	0.0042	1		08/18/17 07:13	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0042	1		08/18/17 07:13	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.0042	1		08/18/17 07:13	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0042	1		08/18/17 07:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0042	1		08/18/17 07:13	106-93-4	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

Sample: RE-SB-SB-30 (016018) Lab ID: 50177568020 Collected: 08/10/17 11:58 Received: 08/11/17 16:05 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Dibromomethane	ND	mg/kg	0.0042	1		08/18/17 07:13	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.085	1		08/18/17 07:13	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0042	1		08/18/17 07:13	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	1		08/18/17 07:13	75-35-4	
cis-1,2-Dichloroethene	<b>0.010</b>	mg/kg	0.0042	1		08/18/17 07:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	1		08/18/17 07:13	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	1		08/18/17 07:13	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0042	1		08/18/17 07:13	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0042	1		08/18/17 07:13	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0042	1		08/18/17 07:13	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/18/17 07:13	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	1		08/18/17 07:13	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.085	1		08/18/17 07:13	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0042	1		08/18/17 07:13	87-68-3	
n-Hexane	ND	mg/kg	0.0042	1		08/18/17 07:13	110-54-3	
2-Hexanone	ND	mg/kg	0.085	1		08/18/17 07:13	591-78-6	
Iodomethane	ND	mg/kg	0.085	1		08/18/17 07:13	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0042	1		08/18/17 07:13	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0042	1		08/18/17 07:13	99-87-6	
Methylene Chloride	ND	mg/kg	0.017	1		08/18/17 07:13	75-09-2	
1-Methylnaphthalene	ND	mg/kg	0.0085	1		08/18/17 07:13	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0085	1		08/18/17 07:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1		08/18/17 07:13	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	1		08/18/17 07:13	1634-04-4	
Naphthalene	ND	mg/kg	0.0042	1		08/18/17 07:13	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	103-65-1	
Styrene	ND	mg/kg	0.0042	1		08/18/17 07:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	1		08/18/17 07:13	127-18-4	
Toluene	ND	mg/kg	0.0042	1		08/18/17 07:13	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	1		08/18/17 07:13	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	1		08/18/17 07:13	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	1		08/18/17 07:13	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0042	1		08/18/17 07:13	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	1		08/18/17 07:13	108-67-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

**Sample: RE-SB-SB-30 (016018)**      **Lab ID: 50177568020**      Collected: 08/10/17 11:58      Received: 08/11/17 16:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5035A VOA</b>		Analytical Method: EPA 8260						
Vinyl acetate	ND	mg/kg	0.085	1		08/18/17 07:13	108-05-4	
Vinyl chloride	ND	mg/kg	0.0042	1		08/18/17 07:13	75-01-4	
Xylene (Total)	ND	mg/kg	0.0085	1		08/18/17 07:13	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	111	%	69-136	1		08/18/17 07:13	1868-53-7	
Toluene-d8 (S)	100	%	64-150	1		08/18/17 07:13	2037-26-5	
4-Bromofluorobenzene (S)	100	%	51-142	1		08/18/17 07:13	460-00-4	
<b>Percent Moisture</b>		Analytical Method: SM 2540G						
Percent Moisture	<b>12.6</b>	%	0.10	1		08/18/17 07:55		

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

QC Batch: 402340 Analysis Method: EPA 7471

QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury

Associated Lab Samples: 50177568001, 50177568003, 50177568005, 50177568007, 50177568009, 50177568011, 50177568013, 50177568015, 50177568017, 50177568019

METHOD BLANK: 1851975 Matrix: Solid

Associated Lab Samples: 50177568001, 50177568003, 50177568005, 50177568007, 50177568009, 50177568011, 50177568013, 50177568015, 50177568017, 50177568019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	08/22/17 09:29	

LABORATORY CONTROL SAMPLE: 1851976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.50	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851977 1851978

Parameter	Units	50177655001		1851977		1851978		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec				
Mercury	mg/kg	ND	.52	.52	0.58	0.53	111	101	75-125	9	20

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**QUALITY CONTROL DATA**

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

QC Batch:	401393	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	50177568001, 50177568003, 50177568005, 50177568007, 50177568009, 50177568011, 50177568013, 50177568015, 50177568017, 50177568019		

METHOD BLANK: 1847825 Matrix: Solid  
Associated Lab Samples: 50177568001, 50177568003, 50177568005, 50177568007, 50177568009, 50177568011, 50177568013, 50177568015, 50177568017, 50177568019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	08/18/17 14:15	
Barium	mg/kg	ND	1.0	08/18/17 14:15	
Cadmium	mg/kg	ND	0.50	08/18/17 14:15	
Chromium	mg/kg	ND	1.0	08/18/17 14:15	
Lead	mg/kg	ND	1.0	08/18/17 14:15	
Selenium	mg/kg	ND	1.0	08/18/17 14:15	
Silver	mg/kg	ND	0.50	08/18/17 14:15	

LABORATORY CONTROL SAMPLE: 1847826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.9	96	80-120	
Barium	mg/kg	50	44.6	89	80-120	
Cadmium	mg/kg	50	45.3	91	80-120	
Chromium	mg/kg	50	49.0	98	80-120	
Lead	mg/kg	50	46.9	94	80-120	
Selenium	mg/kg	50	45.1	90	80-120	
Silver	mg/kg	25	22.7	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1847827 1847828

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50177568013 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	mg/kg	20.7	61.4	59.5	54.5	55.0	55	58	75-125	1	20 M3
Barium	mg/kg	133	61.4	59.5	145	162	19	48	75-125	11	20 M3
Cadmium	mg/kg	ND	61.4	59.5	47.6	47.8	77	80	75-125	0	20
Chromium	mg/kg	21.3	61.4	59.5	74.2	74.6	86	90	75-125	1	20
Lead	mg/kg	19.0	61.4	59.5	57.7	56.7	63	63	75-125	2	20 M3
Selenium	mg/kg	ND	61.4	59.5	45.2	44.9	74	75	75-125	1	20 M0
Silver	mg/kg	ND	30.6	29.7	23.6	23.7	77	80	75-125	1	20

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

QC Batch: 401705 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 50177568001, 50177568002, 50177568003, 50177568004, 50177568005, 50177568006, 50177568007, 50177568008, 50177568009, 50177568010, 50177568012, 50177568013, 50177568014, 50177568015

METHOD BLANK: 1849038 Matrix: Solid  
Associated Lab Samples: 50177568001, 50177568002, 50177568003, 50177568004, 50177568005, 50177568006, 50177568007, 50177568008, 50177568009, 50177568010, 50177568012, 50177568013, 50177568014, 50177568015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	08/17/17 02:41	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	08/17/17 02:41	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	08/17/17 02:41	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	08/17/17 02:41	
1,1-Dichloroethane	mg/kg	ND	0.0050	08/17/17 02:41	
1,1-Dichloroethene	mg/kg	ND	0.0050	08/17/17 02:41	
1,1-Dichloropropene	mg/kg	ND	0.0050	08/17/17 02:41	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	08/17/17 02:41	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	08/17/17 02:41	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1,2-Dichloroethane	mg/kg	ND	0.0050	08/17/17 02:41	
1,2-Dichloropropane	mg/kg	ND	0.0050	08/17/17 02:41	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1,3-Dichloropropane	mg/kg	ND	0.0050	08/17/17 02:41	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
1-Methylnaphthalene	mg/kg	ND	0.010	08/17/17 02:41	N2
2,2-Dichloropropane	mg/kg	ND	0.0050	08/17/17 02:41	
2-Butanone (MEK)	mg/kg	ND	0.025	08/17/17 02:41	
2-Chlorotoluene	mg/kg	ND	0.0050	08/17/17 02:41	
2-Hexanone	mg/kg	ND	0.10	08/17/17 02:41	
2-Methylnaphthalene	mg/kg	ND	0.010	08/17/17 02:41	
4-Chlorotoluene	mg/kg	ND	0.0050	08/17/17 02:41	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	08/17/17 02:41	
Acetone	mg/kg	ND	0.10	08/17/17 02:41	
Acrolein	mg/kg	ND	0.10	08/17/17 02:41	
Acrylonitrile	mg/kg	ND	0.10	08/17/17 02:41	
Benzene	mg/kg	ND	0.0050	08/17/17 02:41	
Bromobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
Bromochloromethane	mg/kg	ND	0.0050	08/17/17 02:41	
Bromodichloromethane	mg/kg	ND	0.0050	08/17/17 02:41	
Bromoform	mg/kg	ND	0.0050	08/17/17 02:41	
Bromomethane	mg/kg	ND	0.0050	08/17/17 02:41	
Carbon disulfide	mg/kg	ND	0.010	08/17/17 02:41	
Carbon tetrachloride	mg/kg	ND	0.0050	08/17/17 02:41	
Chlorobenzene	mg/kg	ND	0.0050	08/17/17 02:41	
Chloroethane	mg/kg	ND	0.0050	08/17/17 02:41	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

METHOD BLANK: 1849038

Matrix: Solid

Associated Lab Samples: 50177568001, 50177568002, 50177568003, 50177568004, 50177568005, 50177568006, 50177568007, 50177568008, 50177568009, 50177568010, 50177568012, 50177568013, 50177568014, 50177568015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	mg/kg	ND	0.0050	08/17/17 02:41	
Chloromethane	mg/kg	ND	0.0050	08/17/17 02:41	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	08/17/17 02:41	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	08/17/17 02:41	
Dibromochloromethane	mg/kg	ND	0.0050	08/17/17 02:41	
Dibromomethane	mg/kg	ND	0.0050	08/17/17 02:41	
Dichlorodifluoromethane	mg/kg	ND	0.0050	08/17/17 02:41	
Ethyl methacrylate	mg/kg	ND	0.10	08/17/17 02:41	
Ethylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	08/17/17 02:41	
Iodomethane	mg/kg	ND	0.10	08/17/17 02:41	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	08/17/17 02:41	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	08/17/17 02:41	
Methylene Chloride	mg/kg	ND	0.020	08/17/17 02:41	
n-Butylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
n-Hexane	mg/kg	ND	0.0050	08/17/17 02:41	
n-Propylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
Naphthalene	mg/kg	ND	0.0050	08/17/17 02:41	
p-Isopropyltoluene	mg/kg	ND	0.0050	08/17/17 02:41	
sec-Butylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
Styrene	mg/kg	ND	0.0050	08/17/17 02:41	
tert-Butylbenzene	mg/kg	ND	0.0050	08/17/17 02:41	
Tetrachloroethene	mg/kg	ND	0.0050	08/17/17 02:41	
Toluene	mg/kg	ND	0.0050	08/17/17 02:41	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	08/17/17 02:41	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	08/17/17 02:41	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	08/17/17 02:41	
Trichloroethene	mg/kg	ND	0.0050	08/17/17 02:41	
Trichlorofluoromethane	mg/kg	ND	0.0050	08/17/17 02:41	
Vinyl acetate	mg/kg	ND	0.10	08/17/17 02:41	
Vinyl chloride	mg/kg	ND	0.0050	08/17/17 02:41	
Xylene (Total)	mg/kg	ND	0.010	08/17/17 02:41	
4-Bromofluorobenzene (S)	%	105	51-142	08/17/17 02:41	
Dibromofluoromethane (S)	%	113	69-136	08/17/17 02:41	
Toluene-d8 (S)	%	99	64-150	08/17/17 02:41	

LABORATORY CONTROL SAMPLE: 1849039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.057	114	72-126	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.052	105	68-125	
1,1-Dichloroethene	mg/kg	.05	0.055	111	70-132	
1,2,4-Trimethylbenzene	mg/kg	.05	0.050	101	70-118	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

LABORATORY CONTROL SAMPLE: 1849039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	mg/kg	.05	0.056	112	76-122	
Benzene	mg/kg	.05	0.054	108	75-119	
Chlorobenzene	mg/kg	.05	0.051	101	75-114	
Chloroform	mg/kg	.05	0.053	106	71-114	
cis-1,2-Dichloroethene	mg/kg	.05	0.055	109	79-121	
Ethylbenzene	mg/kg	.05	0.050	101	73-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.052	103	72-122	
Methyl-tert-butyl ether	mg/kg	.05	0.054	108	74-121	
Naphthalene	mg/kg	.05	0.048	96	65-122	
Tetrachloroethene	mg/kg	.05	0.048	97	68-120	
Toluene	mg/kg	.05	0.051	102	71-114	
trans-1,2-Dichloroethene	mg/kg	.05	0.055	109	76-125	
Trichloroethene	mg/kg	.05	0.054	108	77-115	
Vinyl chloride	mg/kg	.05	0.060	120	66-139	
Xylene (Total)	mg/kg	.15	0.15	100	71-119	
4-Bromofluorobenzene (S)	%			101	51-142	
Dibromofluoromethane (S)	%			95	69-136	
Toluene-d8 (S)	%			101	64-150	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

QC Batch: 401931 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
 Associated Lab Samples: 50177568011, 50177568016, 50177568017, 50177568018, 50177568019, 50177568020

METHOD BLANK: 1850106 Matrix: Solid  
 Associated Lab Samples: 50177568011, 50177568016, 50177568017, 50177568018, 50177568019, 50177568020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
1,1-Dichloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
1,1-Dichloroethene	mg/kg	ND	0.0050	08/18/17 02:45	
1,1-Dichloropropene	mg/kg	ND	0.0050	08/18/17 02:45	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	08/18/17 02:45	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	08/18/17 02:45	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1,2-Dichloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
1,2-Dichloropropane	mg/kg	ND	0.0050	08/18/17 02:45	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1,3-Dichloropropane	mg/kg	ND	0.0050	08/18/17 02:45	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
1-Methylnaphthalene	mg/kg	ND	0.010	08/18/17 02:45	N2
2,2-Dichloropropane	mg/kg	ND	0.0050	08/18/17 02:45	
2-Butanone (MEK)	mg/kg	ND	0.025	08/18/17 02:45	
2-Chlorotoluene	mg/kg	ND	0.0050	08/18/17 02:45	
2-Hexanone	mg/kg	ND	0.10	08/18/17 02:45	
2-Methylnaphthalene	mg/kg	ND	0.010	08/18/17 02:45	
4-Chlorotoluene	mg/kg	ND	0.0050	08/18/17 02:45	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	08/18/17 02:45	
Acetone	mg/kg	ND	0.10	08/18/17 02:45	
Acrolein	mg/kg	ND	0.10	08/18/17 02:45	
Acrylonitrile	mg/kg	ND	0.10	08/18/17 02:45	
Benzene	mg/kg	ND	0.0050	08/18/17 02:45	
Bromobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
Bromochloromethane	mg/kg	ND	0.0050	08/18/17 02:45	
Bromodichloromethane	mg/kg	ND	0.0050	08/18/17 02:45	
Bromoform	mg/kg	ND	0.0050	08/18/17 02:45	
Bromomethane	mg/kg	ND	0.0050	08/18/17 02:45	
Carbon disulfide	mg/kg	ND	0.010	08/18/17 02:45	
Carbon tetrachloride	mg/kg	ND	0.0050	08/18/17 02:45	
Chlorobenzene	mg/kg	ND	0.0050	08/18/17 02:45	
Chloroethane	mg/kg	ND	0.0050	08/18/17 02:45	
Chloroform	mg/kg	ND	0.0050	08/18/17 02:45	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

METHOD BLANK: 1850106

Matrix: Solid

Associated Lab Samples: 50177568011, 50177568016, 50177568017, 50177568018, 50177568019, 50177568020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	mg/kg	ND	0.0050	08/18/17 02:45	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	08/18/17 02:45	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	08/18/17 02:45	
Dibromochloromethane	mg/kg	ND	0.0050	08/18/17 02:45	
Dibromomethane	mg/kg	ND	0.0050	08/18/17 02:45	
Dichlorodifluoromethane	mg/kg	ND	0.0050	08/18/17 02:45	
Ethyl methacrylate	mg/kg	ND	0.10	08/18/17 02:45	
Ethylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	08/18/17 02:45	
Iodomethane	mg/kg	ND	0.10	08/18/17 02:45	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	08/18/17 02:45	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	08/18/17 02:45	
Methylene Chloride	mg/kg	ND	0.020	08/18/17 02:45	
n-Butylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
n-Hexane	mg/kg	ND	0.0050	08/18/17 02:45	
n-Propylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
Naphthalene	mg/kg	ND	0.0050	08/18/17 02:45	
p-Isopropyltoluene	mg/kg	ND	0.0050	08/18/17 02:45	
sec-Butylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
Styrene	mg/kg	ND	0.0050	08/18/17 02:45	
tert-Butylbenzene	mg/kg	ND	0.0050	08/18/17 02:45	
Tetrachloroethene	mg/kg	ND	0.0050	08/18/17 02:45	
Toluene	mg/kg	ND	0.0050	08/18/17 02:45	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	08/18/17 02:45	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	08/18/17 02:45	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	08/18/17 02:45	
Trichloroethene	mg/kg	ND	0.0050	08/18/17 02:45	
Trichlorofluoromethane	mg/kg	ND	0.0050	08/18/17 02:45	
Vinyl acetate	mg/kg	ND	0.10	08/18/17 02:45	
Vinyl chloride	mg/kg	ND	0.0050	08/18/17 02:45	
Xylene (Total)	mg/kg	ND	0.010	08/18/17 02:45	
4-Bromofluorobenzene (S)	%	103	51-142	08/18/17 02:45	
Dibromofluoromethane (S)	%	111	69-136	08/18/17 02:45	
Toluene-d8 (S)	%	97	64-150	08/18/17 02:45	

LABORATORY CONTROL SAMPLE: 1850107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.057	114	72-126	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.054	108	68-125	
1,1-Dichloroethene	mg/kg	.05	0.055	110	70-132	
1,2,4-Trimethylbenzene	mg/kg	.05	0.050	100	70-118	
1,2-Dichloropropane	mg/kg	.05	0.057	115	76-122	
Benzene	mg/kg	.05	0.053	106	75-119	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

LABORATORY CONTROL SAMPLE: 1850107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	mg/kg	.05	0.050	99	75-114	
Chloroform	mg/kg	.05	0.052	104	71-114	
cis-1,2-Dichloroethene	mg/kg	.05	0.054	109	79-121	
Ethylbenzene	mg/kg	.05	0.050	99	73-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.051	102	72-122	
Methyl-tert-butyl ether	mg/kg	.05	0.056	112	74-121	
Naphthalene	mg/kg	.05	0.050	100	65-122	
Tetrachloroethene	mg/kg	.05	0.048	97	68-120	
Toluene	mg/kg	.05	0.051	101	71-114	
trans-1,2-Dichloroethene	mg/kg	.05	0.054	109	76-125	
Trichloroethene	mg/kg	.05	0.054	109	77-115	
Vinyl chloride	mg/kg	.05	0.059	118	66-139	
Xylene (Total)	mg/kg	.15	0.15	99	71-119	
4-Bromofluorobenzene (S)	%			101	51-142	
Dibromofluoromethane (S)	%			97	69-136	
Toluene-d8 (S)	%			100	64-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1850108 1850109

Parameter	Units	50177568016		1850108		1850109		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1,1,1-Trichloroethane	mg/kg	0.016	.049	.046	0.072	0.067	114	112	31-146	6	20		
1,1,2,2-Tetrachloroethane	mg/kg	ND	.049	.046	0.051	0.048	104	104	22-171	6	20		
1,1-Dichloroethene	mg/kg	ND	.049	.046	0.051	0.052	104	113	53-154	3	20		
1,2,4-Trimethylbenzene	mg/kg	ND	.049	.046	0.040	0.037	81	81	10-162	7	20		
1,2-Dichloropropane	mg/kg	ND	.049	.046	0.052	0.052	107	112	49-140	1	20		
Benzene	mg/kg	ND	.049	.046	0.049	0.049	99	106	43-141	1	20		
Chlorobenzene	mg/kg	ND	.049	.046	0.042	0.041	86	89	20-141	2	20		
Chloroform	mg/kg	ND	.049	.046	0.049	0.048	99	105	49-134	0	20		
cis-1,2-Dichloroethene	mg/kg	ND	.049	.046	0.050	0.050	101	109	50-144	1	20		
Ethylbenzene	mg/kg	ND	.049	.046	0.042	0.041	85	88	21-149	3	20		
Isopropylbenzene (Cumene)	mg/kg	ND	.049	.046	0.040	0.039	82	85	15-152	3	20		
Methyl-tert-butyl ether	mg/kg	ND	.049	.046	0.053	0.052	108	113	60-141	2	20		
Naphthalene	mg/kg	ND	.049	.046	0.033	0.033	67	71	10-134	0	20		
Tetrachloroethene	mg/kg	ND	.049	.046	0.042	0.042	86	90	21-155	2	20		
Toluene	mg/kg	ND	.049	.046	0.045	0.045	92	98	30-146	0	20		
trans-1,2-Dichloroethene	mg/kg	ND	.049	.046	0.051	0.051	103	110	50-146	1	20		
Trichloroethene	mg/kg	ND	.049	.046	0.061	0.060	119	123	25-162	3	20		
Vinyl chloride	mg/kg	ND	.049	.046	0.055	0.057	112	122	51-160	3	20		
Xylene (Total)	mg/kg	ND	.15	.13	0.12	0.12	84	87	15-151	3	20		
4-Bromofluorobenzene (S)	%						98	98	51-142				
Dibromofluoromethane (S)	%						96	96	69-136				
Toluene-d8 (S)	%						102	102	64-150				

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

QC Batch: 401156 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM  
Associated Lab Samples: 50177568001, 50177568002, 50177568003, 50177568004

METHOD BLANK: 1846958 Matrix: Solid  
Associated Lab Samples: 50177568001, 50177568002, 50177568003, 50177568004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	08/17/17 06:03	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	08/17/17 06:03	
Acenaphthene	mg/kg	ND	0.0050	08/17/17 06:03	
Acenaphthylene	mg/kg	ND	0.0050	08/17/17 06:03	
Anthracene	mg/kg	ND	0.0050	08/17/17 06:03	
Benzo(a)anthracene	mg/kg	ND	0.0050	08/17/17 06:03	
Benzo(a)pyrene	mg/kg	ND	0.0050	08/17/17 06:03	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	08/17/17 06:03	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	08/17/17 06:03	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	08/17/17 06:03	
Chrysene	mg/kg	ND	0.0050	08/17/17 06:03	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	08/17/17 06:03	
Fluoranthene	mg/kg	ND	0.0050	08/17/17 06:03	
Fluorene	mg/kg	ND	0.0050	08/17/17 06:03	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	08/17/17 06:03	
Naphthalene	mg/kg	ND	0.0050	08/17/17 06:03	
Phenanthrene	mg/kg	ND	0.0050	08/17/17 06:03	
Pyrene	mg/kg	ND	0.0050	08/17/17 06:03	
2-Fluorobiphenyl (S)	%	78	30-94	08/17/17 06:03	
p-Terphenyl-d14 (S)	%	92	27-102	08/17/17 06:03	

LABORATORY CONTROL SAMPLE: 1846959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.27	83	38-105	N2
2-Methylnaphthalene	mg/kg	.33	0.26	79	38-104	
Acenaphthene	mg/kg	.33	0.25	76	39-108	
Acenaphthylene	mg/kg	.33	0.24	74	39-108	
Anthracene	mg/kg	.33	0.30	91	41-119	
Benzo(a)anthracene	mg/kg	.33	0.30	91	42-125	
Benzo(a)pyrene	mg/kg	.33	0.22	67	33-143	
Benzo(b)fluoranthene	mg/kg	.33	0.24	74	31-143	
Benzo(g,h,i)perylene	mg/kg	.33	0.22	68	34-138	
Benzo(k)fluoranthene	mg/kg	.33	0.21	62	32-140	
Chrysene	mg/kg	.33	0.30	90	44-121	
Dibenz(a,h)anthracene	mg/kg	.33	0.22	65	32-144	
Fluoranthene	mg/kg	.33	0.31	93	42-122	
Fluorene	mg/kg	.33	0.28	84	40-114	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.23	68	33-142	
Naphthalene	mg/kg	.33	0.24	74	37-101	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

LABORATORY CONTROL SAMPLE: 1846959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	.33	0.27	82	40-116	
Pyrene	mg/kg	.33	0.28	86	43-121	
2-Fluorobiphenyl (S)	%			79	30-94	
p-Terphenyl-d14 (S)	%			86	27-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846960 1846961

Parameter	Units	50177598005		1846960		1846961		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1-Methylnaphthalene	mg/kg	ND	.39	.39	0.29	0.052	71	13	14-124	139	20	M1,N2,R1	
2-Methylnaphthalene	mg/kg	ND	.39	.39	0.27	0.047	67	11	13-123	140	20	M1,R1	
Acenaphthene	mg/kg	ND	.39	.39	0.25	0.050	63	11	20-120	134	20	M1,R1	
Acenaphthylene	mg/kg	ND	.39	.39	0.25	0.045	63	11	22-116	139	20	M1,R1	
Anthracene	mg/kg	0.014	.39	.39	0.27	0.063	65	12	19-128	125	20	M1,R1	
Benzo(a)anthracene	mg/kg	0.071	.39	.39	0.31	0.072	61	0	16-134	125	20	M1,R1	
Benzo(a)pyrene	mg/kg	0.066	.39	.39	0.23	0.054	42	-3	10-148	124	20	M1,R1	
Benzo(b)fluoranthene	mg/kg	0.083	.39	.39	0.25	0.060	41	-6	10-148	122	20	M1,R1	
Benzo(g,h,i)perylene	mg/kg	0.073	.39	.39	0.24	0.059	43	-3	10-141	122	20	M1,R1	
Benzo(k)fluoranthene	mg/kg	0.080	.39	.39	0.25	0.059	41	-6	10-146	123	20	M1,R1	
Chrysene	mg/kg	0.10	.39	.39	0.32	0.079	56	-6	15-133	121	20	M1,R1	
Dibenz(a,h)anthracene	mg/kg	0.042	.39	.39	0.23	0.062	46	5	10-142	114	20	M1,R1	
Fluoranthene	mg/kg	0.16	.39	.39	0.36	0.083	50	-21	13-135	126	20	M1,R1	
Fluorene	mg/kg	ND	.39	.39	0.29	0.056	71	13	21-125	135	20	M1,R1	
Indeno(1,2,3-cd)pyrene	mg/kg	0.068	.39	.39	0.24	0.061	43	-2	10-143	118	20	M1,R1	
Naphthalene	mg/kg	ND	.39	.39	0.26	0.037	64	9	12-123	150	20	M1,R1	
Phenanthrene	mg/kg	0.063	.39	.39	0.30	0.063	60	0	13-133	131	20	M1,R1	
Pyrene	mg/kg	0.13	.39	.39	0.33	0.074	50	-13	11-137	126	20	M1,R1	
2-Fluorobiphenyl (S)	%						70	13	30-94			S0	
p-Terphenyl-d14 (S)	%						70	19	27-102			S0	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

QC Batch: 401157

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV PAH by SIM

Associated Lab Samples: 50177568005, 50177568006, 50177568007, 50177568008, 50177568009, 50177568010, 50177568011, 50177568012, 50177568013, 50177568014, 50177568015, 50177568016, 50177568018, 50177568019, 50177568020

METHOD BLANK: 1846962

Matrix: Solid

Associated Lab Samples: 50177568005, 50177568006, 50177568007, 50177568008, 50177568009, 50177568010, 50177568011, 50177568012, 50177568013, 50177568014, 50177568015, 50177568016, 50177568018, 50177568019, 50177568020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	08/15/17 04:04	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	08/15/17 04:04	
Acenaphthene	mg/kg	ND	0.0050	08/15/17 04:04	
Acenaphthylene	mg/kg	ND	0.0050	08/15/17 04:04	
Anthracene	mg/kg	ND	0.0050	08/15/17 04:04	
Benzo(a)anthracene	mg/kg	ND	0.0050	08/15/17 04:04	
Benzo(a)pyrene	mg/kg	ND	0.0050	08/15/17 04:04	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	08/15/17 04:04	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	08/15/17 04:04	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	08/15/17 04:04	
Chrysene	mg/kg	ND	0.0050	08/15/17 04:04	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	08/15/17 04:04	
Fluoranthene	mg/kg	ND	0.0050	08/15/17 04:04	
Fluorene	mg/kg	ND	0.0050	08/15/17 04:04	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	08/15/17 04:04	
Naphthalene	mg/kg	ND	0.0050	08/15/17 04:04	
Phenanthrene	mg/kg	ND	0.0050	08/15/17 04:04	
Pyrene	mg/kg	ND	0.0050	08/15/17 04:04	
2-Fluorobiphenyl (S)	%	71	30-94	08/15/17 04:04	
p-Terphenyl-d14 (S)	%	94	27-102	08/15/17 04:04	

LABORATORY CONTROL SAMPLE: 1846963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.30	90	38-105	N2
2-Methylnaphthalene	mg/kg	.33	0.28	85	38-104	
Acenaphthene	mg/kg	.33	0.27	82	39-108	
Acenaphthylene	mg/kg	.33	0.27	80	39-108	
Anthracene	mg/kg	.33	0.32	95	41-119	
Benzo(a)anthracene	mg/kg	.33	0.35	106	42-125	
Benzo(a)pyrene	mg/kg	.33	0.29	87	33-143	
Benzo(b)fluoranthene	mg/kg	.33	0.27	83	31-143	
Benzo(g,h,i)perylene	mg/kg	.33	0.26	77	34-138	
Benzo(k)fluoranthene	mg/kg	.33	0.27	81	32-140	
Chrysene	mg/kg	.33	0.35	105	44-121	
Dibenz(a,h)anthracene	mg/kg	.33	0.27	81	32-144	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

LABORATORY CONTROL SAMPLE: 1846963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	mg/kg	.33	0.32	97	42-122	
Fluorene	mg/kg	.33	0.29	87	40-114	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.26	80	33-142	
Naphthalene	mg/kg	.33	0.27	81	37-101	
Phenanthrene	mg/kg	.33	0.29	86	40-116	
Pyrene	mg/kg	.33	0.33	99	43-121	
2-Fluorobiphenyl (S)	%			82	30-94	
p-Terphenyl-d14 (S)	%			102	27-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1846964 1846965

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual		
		50177568016 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result	
1-Methylnaphthalene	mg/kg	ND	.37	.37	0.29	0.29	80	77	14-124	3	20	N2
2-Methylnaphthalene	mg/kg	ND	.37	.37	0.28	0.27	75	72	13-123	4	20	
Acenaphthene	mg/kg	ND	.37	.37	0.27	0.27	74	72	20-120	3	20	
Acenaphthylene	mg/kg	ND	.37	.37	0.27	0.26	72	70	22-116	3	20	
Anthracene	mg/kg	ND	.37	.37	0.33	0.32	89	87	19-128	2	20	
Benzo(a)anthracene	mg/kg	ND	.37	.37	0.36	0.36	98	98	16-134	1	20	
Benzo(a)pyrene	mg/kg	ND	.37	.37	0.30	0.30	82	82	10-148	1	20	
Benzo(b)fluoranthene	mg/kg	ND	.37	.37	0.28	0.29	77	78	10-148	2	20	
Benzo(g,h,i)perylene	mg/kg	ND	.37	.37	0.26	0.27	71	72	10-141	3	20	
Benzo(k)fluoranthene	mg/kg	ND	.37	.37	0.27	0.28	74	75	10-146	1	20	
Chrysene	mg/kg	ND	.37	.37	0.36	0.36	97	98	15-133	1	20	
Dibenz(a,h)anthracene	mg/kg	ND	.37	.37	0.27	0.28	74	76	10-142	3	20	
Fluoranthene	mg/kg	ND	.37	.37	0.33	0.33	90	90	13-135	0	20	
Fluorene	mg/kg	ND	.37	.37	0.30	0.29	81	80	21-125	1	20	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.37	.37	0.27	0.28	73	75	10-143	3	20	
Naphthalene	mg/kg	ND	.37	.37	0.26	0.25	71	68	12-123	3	20	
Phenanthrene	mg/kg	ND	.37	.37	0.30	0.30	81	80	13-133	0	20	
Pyrene	mg/kg	ND	.37	.37	0.34	0.34	93	92	11-137	0	20	
2-Fluorobiphenyl (S)	%						75	77	30-94			
p-Terphenyl-d14 (S)	%						96	101	27-102			

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

QC Batch: 401759 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM  
Associated Lab Samples: 50177568017

METHOD BLANK: 1849164 Matrix: Solid  
Associated Lab Samples: 50177568017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	08/17/17 18:03	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	08/17/17 18:03	
Acenaphthene	mg/kg	ND	0.0050	08/17/17 18:03	
Acenaphthylene	mg/kg	ND	0.0050	08/17/17 18:03	
Anthracene	mg/kg	ND	0.0050	08/17/17 18:03	
Benzo(a)anthracene	mg/kg	ND	0.0050	08/17/17 18:03	
Benzo(a)pyrene	mg/kg	ND	0.0050	08/17/17 18:03	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	08/17/17 18:03	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	08/17/17 18:03	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	08/17/17 18:03	
Chrysene	mg/kg	ND	0.0050	08/17/17 18:03	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	08/17/17 18:03	
Fluoranthene	mg/kg	ND	0.0050	08/17/17 18:03	
Fluorene	mg/kg	ND	0.0050	08/17/17 18:03	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	08/17/17 18:03	
Naphthalene	mg/kg	ND	0.0050	08/17/17 18:03	
Phenanthrene	mg/kg	ND	0.0050	08/17/17 18:03	
Pyrene	mg/kg	ND	0.0050	08/17/17 18:03	
2-Fluorobiphenyl (S)	%	60	30-94	08/17/17 18:03	
p-Terphenyl-d14 (S)	%	86	27-102	08/17/17 18:03	

LABORATORY CONTROL SAMPLE: 1849165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.24	72	38-105	N2
2-Methylnaphthalene	mg/kg	.33	0.23	70	38-104	
Acenaphthene	mg/kg	.33	0.22	67	39-108	
Acenaphthylene	mg/kg	.33	0.22	66	39-108	
Anthracene	mg/kg	.33	0.27	81	41-119	
Benzo(a)anthracene	mg/kg	.33	0.30	89	42-125	
Benzo(a)pyrene	mg/kg	.33	0.26	79	33-143	
Benzo(b)fluoranthene	mg/kg	.33	0.27	81	31-143	
Benzo(g,h,i)perylene	mg/kg	.33	0.28	84	34-138	
Benzo(k)fluoranthene	mg/kg	.33	0.25	76	32-140	
Chrysene	mg/kg	.33	0.28	85	44-121	
Dibenz(a,h)anthracene	mg/kg	.33	0.29	87	32-144	
Fluoranthene	mg/kg	.33	0.29	87	42-122	
Fluorene	mg/kg	.33	0.25	75	40-114	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.29	86	33-142	
Naphthalene	mg/kg	.33	0.22	67	37-101	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

LABORATORY CONTROL SAMPLE: 1849165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	.33	0.26	79	40-116	
Pyrene	mg/kg	.33	0.27	80	43-121	
2-Fluorobiphenyl (S)	%			64	30-94	
p-Terphenyl-d14 (S)	%			76	27-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1849166 1849167

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		50177850013 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	mg/kg	2.3	.4	.4	3.7	3.4	350	274	14-124	8	20	M6, N2
2-Methylnaphthalene	mg/kg	0.097	.4	.4	0.45	0.53	89	108	13-123	16	20	
Acenaphthene	mg/kg	28.8	.4	.4	30.2	25.6	347	-774	20-120	16	20	M6
Acenaphthylene	mg/kg	2.5	.4	.4	3.6	3.6	269	283	22-116	2	20	M6
Anthracene	mg/kg	15.8	.4	.4	19.6	19.4	939	870	19-128	1	20	M6
Benzo(a)anthracene	mg/kg	10	.4	.4	13.8	13.6	953	909	16-134	1	20	M6
Benzo(a)pyrene	mg/kg	9.7	.4	.4	13.1	13.2	850	850	10-148	0	20	M6
Benzo(b)fluoranthene	mg/kg	5.0	.4	.4	6.6	6.8	397	450	10-148	4	20	M6
Benzo(g,h,i)perylene	mg/kg	7.5	.4	.4	9.9	10.2	601	663	10-141	3	20	M6
Benzo(k)fluoranthene	mg/kg	6.2	.4	.4	9.0	9.2	705	728	10-146	1	20	M6
Chrysene	mg/kg	9.1	.4	.4	12.9	13.0	955	965	15-133	1	20	M6
Dibenz(a,h)anthracene	mg/kg	1.1	.4	.4	1.7	1.8	159	181	10-142	6	20	M6
Fluoranthene	mg/kg	41.7	.4	.4	57.0	51.5	3810	2420	13-135	10	20	M6
Fluorene	mg/kg	13.7	.4	.4	14.8	15.1	274	340	21-125	2	20	M6
Indeno(1,2,3-cd)pyrene	mg/kg	5.3	.4	.4	7.1	7.4	442	506	10-143	4	20	M6
Naphthalene	mg/kg	0.72	.4	.4	1.1	1.6	104	209	12-123	32	20	ED, M6, R1
Phenanthrene	mg/kg	44.4	.4	.4	59.8	55.8	3840	2800	13-133	7	20	M6
Pyrene	mg/kg	52.1	.4	.4	68.8	75.1	4180	5680	11-137	9	20	M6
2-Fluorobiphenyl (S)	%						72	77	30-94			
p-Terphenyl-d14 (S)	%						83	85	27-102			

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**QUALITY CONTROL DATA**

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

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QC Batch:	401748	Analysis Method:	SM 2540G
QC Batch Method:	SM 2540G	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	50177568001		

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SAMPLE DUPLICATE: 1849125

Parameter	Units	50177486018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	75.5	75.1	1	5	

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SAMPLE DUPLICATE: 1849134

Parameter	Units	50177476008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.4	24.3	4	5	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

QC Batch: 401967

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50177568002, 50177568003, 50177568004, 50177568005, 50177568006, 50177568007, 50177568008, 50177568009, 50177568010, 50177568011, 50177568012, 50177568013, 50177568014, 50177568015

SAMPLE DUPLICATE: 1850180

Parameter	Units	50177568002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.1	7.8	25	5	R1

SAMPLE DUPLICATE: 1850181

Parameter	Units	50177889002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.4	20.7	23	5	R1

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

QC Batch: 401968

Analysis Method: SM 2540G

QC Batch Method: SM 2540G

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50177568016, 50177568017, 50177568018, 50177568019, 50177568020

SAMPLE DUPLICATE: 1850182

Parameter	Units	50177568016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.5	8.0	27	5	R1

SAMPLE DUPLICATE: 1850183

Parameter	Units	50177574006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	1.3	1.3	5	5	

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## QUALIFIERS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177568

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

### ANALYTE QUALIFIERS

1d Compound results may be biased high due to vial contamination. grm 8-18-17

ED Due to the extract's physical characteristics, the analysis was performed at dilution.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177568001	RE-SB-SB-13 (002004)	EPA 3050	401393	EPA 6010	402066
50177568003	RE-SB-SB-14 (002004)	EPA 3050	401393	EPA 6010	402066
50177568005	RE-SB-SB-15 (002004)	EPA 3050	401393	EPA 6010	402066
50177568007	RE-SB-SB-16 (002004)	EPA 3050	401393	EPA 6010	402066
50177568009	RE-SB-SB-17 (002004)	EPA 3050	401393	EPA 6010	402066
50177568011	RE-SB-SB-18 (002004)	EPA 3050	401393	EPA 6010	402066
50177568013	RE-SB-SB-19 (002004)	EPA 3050	401393	EPA 6010	402066
50177568015	RE-SB-SB-20 (002004)	EPA 3050	401393	EPA 6010	402066
50177568017	RE-SB-SB-23 (002004)	EPA 3050	401393	EPA 6010	402066
50177568019	RE-SB-SB-30 (002004)	EPA 3050	401393	EPA 6010	402066
50177568001	RE-SB-SB-13 (002004)	EPA 7471	402340	EPA 7471	402406
50177568003	RE-SB-SB-14 (002004)	EPA 7471	402340	EPA 7471	402406
50177568005	RE-SB-SB-15 (002004)	EPA 7471	402340	EPA 7471	402406
50177568007	RE-SB-SB-16 (002004)	EPA 7471	402340	EPA 7471	402406
50177568009	RE-SB-SB-17 (002004)	EPA 7471	402340	EPA 7471	402406
50177568011	RE-SB-SB-18 (002004)	EPA 7471	402340	EPA 7471	402406
50177568013	RE-SB-SB-19 (002004)	EPA 7471	402340	EPA 7471	402406
50177568015	RE-SB-SB-20 (002004)	EPA 7471	402340	EPA 7471	402406
50177568017	RE-SB-SB-23 (002004)	EPA 7471	402340	EPA 7471	402406
50177568019	RE-SB-SB-30 (002004)	EPA 7471	402340	EPA 7471	402406
50177568001	RE-SB-SB-13 (002004)	EPA 3546	401156	EPA 8270 by SIM	401270
50177568002	RE-SB-SB-13 (010012)	EPA 3546	401156	EPA 8270 by SIM	401270
50177568003	RE-SB-SB-14 (002004)	EPA 3546	401156	EPA 8270 by SIM	401270
50177568004	RE-SB-SB-14 (012014)	EPA 3546	401156	EPA 8270 by SIM	401270
50177568005	RE-SB-SB-15 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568006	RE-SB-SB-15 (012014)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568007	RE-SB-SB-16 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568008	RE-SB-SB-16 (010012)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568009	RE-SB-SB-17 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568010	RE-SB-SB-17 (013015)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568011	RE-SB-SB-18 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568012	RE-SB-SB-18 (014016)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568013	RE-SB-SB-19 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568014	RE-SB-SB-19 (012014)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568015	RE-SB-SB-20 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568016	RE-SB-SB-20 (014016)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568017	RE-SB-SB-23 (002004)	EPA 3546	401759	EPA 8270 by SIM	401878
50177568018	RE-SB-SB-23 (016018)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568019	RE-SB-SB-30 (002004)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568020	RE-SB-SB-30 (016018)	EPA 3546	401157	EPA 8270 by SIM	401268
50177568001	RE-SB-SB-13 (002004)	EPA 8260	401705		
50177568002	RE-SB-SB-13 (010012)	EPA 8260	401705		
50177568003	RE-SB-SB-14 (002004)	EPA 8260	401705		
50177568004	RE-SB-SB-14 (012014)	EPA 8260	401705		
50177568005	RE-SB-SB-15 (002004)	EPA 8260	401705		
50177568006	RE-SB-SB-15 (012014)	EPA 8260	401705		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177568

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177568007	RE-SB-SB-16 (002004)	EPA 8260	401705		
50177568008	RE-SB-SB-16 (010012)	EPA 8260	401705		
50177568009	RE-SB-SB-17 (002004)	EPA 8260	401705		
50177568010	RE-SB-SB-17 (013015)	EPA 8260	401705		
50177568011	RE-SB-SB-18 (002004)	EPA 8260	401931		
50177568012	RE-SB-SB-18 (014016)	EPA 8260	401705		
50177568013	RE-SB-SB-19 (002004)	EPA 8260	401705		
50177568014	RE-SB-SB-19 (012014)	EPA 8260	401705		
50177568015	RE-SB-SB-20 (002004)	EPA 8260	401705		
50177568016	RE-SB-SB-20 (014016)	EPA 8260	401931		
50177568017	RE-SB-SB-23 (002004)	EPA 8260	401931		
50177568018	RE-SB-SB-23 (016018)	EPA 8260	401931		
50177568019	RE-SB-SB-30 (002004)	EPA 8260	401931		
50177568020	RE-SB-SB-30 (016018)	EPA 8260	401931		
50177568001	RE-SB-SB-13 (002004)	SM 2540G	401748		
50177568002	RE-SB-SB-13 (010012)	SM 2540G	401967		
50177568003	RE-SB-SB-14 (002004)	SM 2540G	401967		
50177568004	RE-SB-SB-14 (012014)	SM 2540G	401967		
50177568005	RE-SB-SB-15 (002004)	SM 2540G	401967		
50177568006	RE-SB-SB-15 (012014)	SM 2540G	401967		
50177568007	RE-SB-SB-16 (002004)	SM 2540G	401967		
50177568008	RE-SB-SB-16 (010012)	SM 2540G	401967		
50177568009	RE-SB-SB-17 (002004)	SM 2540G	401967		
50177568010	RE-SB-SB-17 (013015)	SM 2540G	401967		
50177568011	RE-SB-SB-18 (002004)	SM 2540G	401967		
50177568012	RE-SB-SB-18 (014016)	SM 2540G	401967		
50177568013	RE-SB-SB-19 (002004)	SM 2540G	401967		
50177568014	RE-SB-SB-19 (012014)	SM 2540G	401967		
50177568015	RE-SB-SB-20 (002004)	SM 2540G	401967		
50177568016	RE-SB-SB-20 (014016)	SM 2540G	401968		
50177568017	RE-SB-SB-23 (002004)	SM 2540G	401968		
50177568018	RE-SB-SB-23 (016018)	SM 2540G	401968		
50177568019	RE-SB-SB-30 (002004)	SM 2540G	401968		
50177568020	RE-SB-SB-30 (016018)	SM 2540G	401968		

### REPORT OF LABORATORY ANALYSIS

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**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **2** of **3**

Section A Required Client Information:  
 Company: **HEARTLAND ENVIRONMENTAL**  
 Address: **3410 PATISHAWA AVE.**  
 Email To: **SOYUN BANG, Esq 46615**  
 Phone: **927-771-2283** Fax: **927-771-2283**  
 Requested Due Date/TAT: **STANDARD**

Section B Required Project Information:  
 Report To: **Ryan Orzechowski**  
 Copy To:  
 Purchase Order No.:  
 Project Name: **Palmer Lea Electronics - Parcel B**  
 Project Number:

Section C Invoice Information:  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

REGULATORY AGENCY  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA

Site Location STATE: **IN**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G-GRAB or COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	Preservatives	Analysis Test ↑ Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME						
1	RE-SB-SB-18 (002004)	Drinking Water			G	SL	9/10/17	9:10	1	Unpreserved	X			-011
2	RE-SB-SB-18 (014016)	Water						9:31	4		X			-012
3	RE-SB-SB-19 (002004)	Waste Water Product						10:38	4		X			-013
4	RE-SB-SB-19 (012014)	Soil/Solid						10:52	4		X			-014
5	RE-SB-SB-20 (002004)	Oil						11:15	4		X			-015
6	RE-SB-SB-20 (014016)	Wipe						10:24	12		X			-016
7	<del>RE-SB-SB-20 (002004)</del>	Air							4		X			
8	<del>RE-SB-SB-20 (002004)</del>	Tissue							4		X			
9	<del>RE-SB-SB-22 (002004)</del>	Other							4		X			
10	<del>RE-SB-SB-22 (002004)</del>								4		X			
11	RE-SB-SB-23 (002004)						8/16/17	9:07	4		X			-017
12	RE-SB-SB-23 (014016)						8/16/17	9:19	4		X			-018

ACCEPTED BY / AFFILIATION: **Ryan Orzechowski** DATE: **8/17/17** TIME: **14:48**

RELINQUISHED BY / AFFILIATION: **Ryan Orzechowski** DATE: **8/17/17** TIME: **16:03**

RECEIVED ON: **8/17/17** TEMP IN °C: **16.5**

CUSTODY: **Y** SEAL COOLER: **Y** SAMPLES INTACT: **Y**

ADDITIONAL COMMENTS: **Palmer Lea Parcel B**

SAMPLER NAME AND SIGNATURE: **Ryan Orzechowski**

PRINT Name of SAMPLER: **Ryan Orzechowski** DATE SIGNED (MM/DD/YYYY): **08/16/17**

SIGNATURE of SAMPLER: *[Signature]*

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoice not paid within 30 days.

**Section A** Required Client Information:  
 Company: Headwall Environmental  
 Address: 240 PARSONS AVE.  
SOUTH BEND, IN 46615  
 Email To: ford@headwallenv.com  
 Phone: 317-771-2283 Fax:  
 Requested Due Date/TAT: STANDARD

**Section B** Required Project Information:  
 Report To: Ryan Orzechowski  
 Copy To:  
 Purchase Order No.:  
 Project Name: Federal For Electronics - Parcel B  
 Project Number:

**Section C** Invoice Information:  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location: IN  
 STATE:

Page: 3 of 3  
 1955566

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB							
1	Pe-SB-SB-30 (002004)	DW WT WW P SL OL WP AR TS OT	SL G	8/17/10	11:25		4	Unpreserved	X Vols # 8280			50177568
2	Re-SB-SB-30 (016018)		SL G	8/17/10	11:58		4		X Vols # 8270			50177568
3									X Vols # 8260			50177568
4									X Vols # 8250			50177568
5									X Vols # 8240			50177568
6									X Vols # 8230			50177568
7									X Vols # 8220			50177568
8									X Vols # 8210			50177568
9									X Vols # 8200			50177568
10									X Vols # 8190			50177568
11									X Vols # 8180			50177568
12									X Vols # 8170			50177568

**ADDITIONAL COMMENTS**

**RELINQUISHED BY / AFFILIATION** DATE TIME  
Ryan Orzechowski/Headwall 8/17 148  
Ryan Orzechowski 8/17 16:03

**ACCEPTED BY / AFFILIATION** DATE TIME  
Ryan Orzechowski 8/17 148  
Ryan Orzechowski 8/17 16:03

**SAMPLE CONDITIONS**  
 Received on Ice (Y/N) Sealed Cooler (Y/N) Samples Intact (Y/N)  
 Y N Y

**Temp in °C**

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Ryan Orzechowski DATE Signed (MM/DD/YY): 08/16/10  
 SIGNATURE of SAMPLER: Ryan Orzechowski

\*Important Note: By signing this form, you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.6% per month for any invoices not paid within 30 days.



**Sample Condition Upon Receipt**



Project # 50177568

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer 1 2 3 4 5 6 A B C D E F Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 5.1/5.1 Ice Visible in Sample Containers:  yes  no  
(Initial/Corrected) Temp should be above freezing to 6°C

Date/Time and Initials of person examining contents: 8/11/17 1617 KAL

Comments

Are samples from West Virginia? Document any containers out of temp.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1.	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.	
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.	Date/Time 5035A T/C placed in Freezer: <u>8/11/17 1625</u> Short Holds Taken to Lab: <u>TCS</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.	
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	(Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		9.	Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		10.	Present Absent
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Headspace Wisconsin Sulfide	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Custody Seals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		13.	

**Client Notification/ Resolution:**

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Sample Container Count

CLIENT: Heartford Env.

COC PAGE 2 of 2  
 COC ID# 2194021

Project # 50177568

SR 09  
 BK 09

Sample Line Item	AG1U	WG9U	AG0U	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3B	BP1U	SP5T	AG2U	Matrix (Soil/Water/Non-Aqueous Liquid)	pH <2	pH >9	pH >12
1																	SL			
2																	SL			
3																	SL			
4																	SL			
5																	SL			
6																	SL			
7																	SL			
8																	SL			
9																	SL			
10																	SL			
11																	SL			
12																	SL			

Container Codes	AG0U	100mL unpreserved amber glass	BP1N	DG9P	40mL TSP amber vial
DG9H	40mL HCL amber vial	AG0U	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	C Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Heartland Env.

COC PAGE: 3 of 3  
 COC ID# 1955366



Project # 50177568

Matrix SIM/WAL (Soil/Water/Non-Aqueous Liquid) pH <2 pH >9 pH >12

Sample Line Item	AG1U	WGFU	AG0U	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3B	BP1U	SP5T	AG2U	
1		1		3													SL
2		1		3													SL
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Container Codes	AG0U	100mL unpreserved amber glass	AG1H	1 liter HCL amber glass	AG1S	1 liter H2SO4 amber glass	AG1T	1 liter Na Thiosulfate amber glass	AG2N	500mL HNO3 amber glass	AG2S	500mL H2SO4 amber glass	AG2U	500mL unpreserved amber glass	AG3U	250mL unpreserved amber glass	BG1H	1 liter HCL clear glass	BG1S	1 liter H2SO4 clear glass	BG1T	1 liter Na Thiosulfate clear glass	BG1U	1 liter unpreserved glass	BP1A	1 liter NaOH, Asc Acid plastic	DG9U	40mL MeOH clear vial	DG9M	40mL MeOH clear vial	DG9B	40mL Na Bisulfate amber vial	DG9H	40mL HCL clear vial	DG9T	40mL Na Thio. clear vial	DG9U	40mL unpreserved clear vial	VSG	Headspace septa vial & HCL	WGFX	4oz wide jar w/hexane wipe	ZPLC	Ziploc Bag	DG9P	40mL TSP amber vial	DG9S	40mL H2SO4 amber vial	DG9T	40mL Na Thio amber vial	DG9U	40mL unpreserved amber vial	SP5T	120mL Coliform Na Thiosulfate	JGFU	4oz unpreserved amber wide	U	Summa Can	VG9H	40mL HCL clear vial	VG9T	40mL Na Thio. clear vial	VG9U	40mL unpreserved clear vial																																	
DG9H	40mL HCL amber vial		AG0U	100mL unpreserved amber glass		AG1H	1 liter HCL amber glass		AG1S	1 liter H2SO4 amber glass		AG1T	1 liter Na Thiosulfate amber glass		AG2N	500mL HNO3 amber glass		AG2S	500mL H2SO4 amber glass		AG2U	500mL unpreserved amber glass		AG3U	250mL unpreserved amber glass		BG1H	1 liter HCL clear glass		BG1S	1 liter H2SO4 clear glass		BG1T	1 liter Na Thiosulfate clear glass		BG1U	1 liter unpreserved glass		BP1A	1 liter NaOH, Asc Acid plastic		DG9U	40mL MeOH clear vial		DG9M	40mL MeOH clear vial		DG9B	40mL Na Bisulfate amber vial		DG9H	40mL HCL clear vial		DG9T	40mL Na Thio. clear vial		DG9U	40mL unpreserved clear vial		VSG	Headspace septa vial & HCL		WGFX	4oz wide jar w/hexane wipe		ZPLC	Ziploc Bag		DG9P	40mL TSP amber vial		DG9S	40mL H2SO4 amber vial		DG9T	40mL Na Thio amber vial		DG9U	40mL unpreserved amber vial		SP5T	120mL Coliform Na Thiosulfate		JGFU	4oz unpreserved amber wide		U	Summa Can		VG9H	40mL HCL clear vial		VG9T	40mL Na Thio. clear vial		VG9U	40mL unpreserved clear vial

## **APPENDIX D**

# **Groundwater Laboratory Certificate of Analysis**

August 25, 2017

Ryan Orzechowicz  
Heartland Environmental  
3410 Mishawaka Avenue  
South Bend, IN 46615

RE: Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

Dear Ryan Orzechowicz:

Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Mick Mayse  
mick.mayse@pacelabs.com  
(317)228-3100  
Project Manager

Enclosures

cc: Ms. Bonnie Sima, Heartland Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

---

### Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50177817001	RB-GW-SB-12	Water	08/15/17 13:50	08/16/17 11:30
50177817002	RB-GW-SB-13	Water	08/15/17 15:00	08/16/17 11:30
50177817003	RB-GW-SB-14	Water	08/15/17 16:00	08/16/17 11:30
50177817004	RB-GW-SB-FD-4	Water	08/15/17 16:05	08/16/17 11:30
50177817005	RB-GW-SB-16	Water	08/15/17 17:40	08/16/17 11:30
50177817006	RB-GW-SB-17	Water	08/15/17 18:40	08/16/17 11:30
50177817007	RB-GW-SB-18	Water	08/16/17 08:20	08/16/17 11:30
50177817008	RB-GW-SB-19	Water	08/16/17 09:10	08/16/17 11:30
50177817009	RB-GW-SB-20	Water	08/16/17 10:25	08/16/17 11:30

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177817001	RB-GW-SB-12	EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177817002	RB-GW-SB-13	EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177817003	RB-GW-SB-14	EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177817004	RB-GW-SB-FD-4	EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177817005	RB-GW-SB-16	EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177817006	RB-GW-SB-17	EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177817007	RB-GW-SB-18	EPA 6010	JPK	7	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177817008	RB-GW-SB-19	EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
50177817009	RB-GW-SB-20	EPA 8260	DAE	73	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177817001</b>	<b>RB-GW-SB-12</b>					
EPA 6010	Arsenic	30.1	ug/L	10.0	08/22/17 03:24	
EPA 6010	Barium	248	ug/L	10.0	08/22/17 03:24	
EPA 6010	Cadmium	3.8	ug/L	2.0	08/22/17 03:24	
EPA 6010	Chromium	48.2	ug/L	10.0	08/22/17 03:24	
EPA 6010	Lead	34.3	ug/L	10.0	08/22/17 03:24	
EPA 6010	Selenium	53.3	ug/L	10.0	08/22/17 03:24	
EPA 6010	Barium, Dissolved	67.4	ug/L	10.0	08/22/17 00:26	
EPA 6010	Selenium, Dissolved	26.6	ug/L	10.0	08/22/17 00:26	
EPA 8260	Carbon tetrachloride	67.9	ug/L	5.0	08/22/17 06:04	
EPA 8260	Chloroform	40.2	ug/L	5.0	08/22/17 06:04	
EPA 8260	1,1,1-Trichloroethane	75.0	ug/L	5.0	08/22/17 06:04	
EPA 8260	Trichloroethene	41.9	ug/L	5.0	08/22/17 06:04	
<b>50177817002</b>	<b>RB-GW-SB-13</b>					
EPA 6010	Barium	73.3	ug/L	10.0	08/22/17 03:34	
EPA 6010	Barium, Dissolved	58.2	ug/L	10.0	08/22/17 00:37	
<b>50177817003</b>	<b>RB-GW-SB-14</b>					
EPA 6010	Barium	72.6	ug/L	10.0	08/22/17 03:42	
EPA 6010	Barium, Dissolved	59.0	ug/L	10.0	08/22/17 00:39	
<b>50177817004</b>	<b>RB-GW-SB-FD-4</b>					
EPA 6010	Arsenic	13.3	ug/L	10.0	08/22/17 03:44	
EPA 6010	Barium	75.0	ug/L	10.0	08/22/17 03:44	
EPA 6010	Selenium	13.3	ug/L	10.0	08/22/17 03:44	
EPA 6010	Barium, Dissolved	57.8	ug/L	10.0	08/22/17 00:42	
EPA 6010	Selenium, Dissolved	12.4	ug/L	10.0	08/22/17 00:42	
<b>50177817005</b>	<b>RB-GW-SB-16</b>					
EPA 6010	Barium	87.5	ug/L	10.0	08/22/17 03:46	
EPA 6010	Barium, Dissolved	70.3	ug/L	10.0	08/22/17 00:44	
EPA 8260	cis-1,2-Dichloroethene	10.8	ug/L	5.0	08/22/17 03:38	
EPA 8260	trans-1,2-Dichloroethene	8.6	ug/L	5.0	08/22/17 03:38	
EPA 8260	Trichloroethene	38.9	ug/L	5.0	08/22/17 03:38	
<b>50177817006</b>	<b>RB-GW-SB-17</b>					
EPA 6010	Arsenic	89.8	ug/L	10.0	08/22/17 03:48	
EPA 6010	Barium	855	ug/L	10.0	08/22/17 03:48	
EPA 6010	Cadmium	7.6	ug/L	2.0	08/22/17 03:48	
EPA 6010	Chromium	149	ug/L	10.0	08/22/17 03:48	
EPA 6010	Lead	94.1	ug/L	10.0	08/22/17 03:48	
EPA 6010	Barium, Dissolved	52.1	ug/L	10.0	08/22/17 00:46	
<b>50177817007</b>	<b>RB-GW-SB-18</b>					
EPA 6010	Barium	76.5	ug/L	10.0	08/22/17 03:50	
EPA 6010	Barium, Dissolved	69.8	ug/L	10.0	08/22/17 00:49	
EPA 8260	Chloroethane	5.3	ug/L	5.0	08/22/17 05:15	
EPA 8260	1,1-Dichloroethane	5.5	ug/L	5.0	08/22/17 05:15	
EPA 8260	cis-1,2-Dichloroethene	27.1	ug/L	5.0	08/22/17 05:15	
EPA 8260	trans-1,2-Dichloroethene	13.0	ug/L	5.0	08/22/17 05:15	

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## SUMMARY OF DETECTION

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177817007</b>	<b>RB-GW-SB-18</b>					
EPA 8260	Vinyl chloride	4.0	ug/L	2.0	08/22/17 05:15	
<b>50177817008</b>	<b>RB-GW-SB-19</b>					
EPA 6010	Arsenic	10.3	ug/L	10.0	08/22/17 03:53	
EPA 6010	Barium	97.7	ug/L	10.0	08/22/17 03:53	
EPA 6010	Barium, Dissolved	95.0	ug/L	10.0	08/22/17 00:51	
EPA 8260	Trichloroethene	40.8	ug/L	5.0	08/22/17 06:53	
<b>50177817009</b>	<b>RB-GW-SB-20</b>					
EPA 6010	Arsenic	13.7	ug/L	10.0	08/22/17 03:55	
EPA 6010	Barium	173	ug/L	10.0	08/22/17 03:55	
EPA 6010	Chromium	16.2	ug/L	10.0	08/22/17 03:55	
EPA 6010	Barium, Dissolved	116	ug/L	10.0	08/22/17 00:53	
EPA 6010	Selenium, Dissolved	10.3	ug/L	10.0	08/22/17 00:53	
EPA 8260	1,1-Dichloroethane	8.7	ug/L	5.0	08/22/17 23:35	
EPA 8260	1,1-Dichloroethene	38.1	ug/L	5.0	08/22/17 23:35	
EPA 8260	cis-1,2-Dichloroethene	635	ug/L	50.0	08/24/17 09:58	
EPA 8260	trans-1,2-Dichloroethene	42.2	ug/L	5.0	08/22/17 23:35	
EPA 8260	Trichloroethene	20.5	ug/L	5.0	08/22/17 23:35	
EPA 8260	Vinyl chloride	28.5	ug/L	2.0	08/22/17 23:35	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-12		Lab ID: 50177817001	Collected: 08/15/17 13:50	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	30.1	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:24	7440-38-2	
Barium	248	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:24	7440-39-3	
Cadmium	3.8	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:24	7440-43-9	
Chromium	48.2	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:24	7440-47-3	
Lead	34.3	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:24	7439-92-1	
Selenium	53.3	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:24	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:24	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:26	7440-38-2	
Barium, Dissolved	67.4	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:26	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:26	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:26	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:26	7439-92-1	
Selenium, Dissolved	26.6	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:26	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:26	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:07	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:15	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 20:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 20:48	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 20:48	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	47	%	15-87	1	08/17/17 14:00	08/18/17 20:48	321-60-8	
p-Terphenyl-d14 (S)	82	%	10-116	1	08/17/17 14:00	08/18/17 20:48	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-12	Lab ID: 50177817001	Collected: 08/15/17 13:50	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 06:04	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 06:04	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 06:04	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 06:04	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 06:04	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 06:04	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 06:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 06:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 06:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 06:04	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 06:04	75-15-0	
Carbon tetrachloride	<b>67.9</b>	ug/L	5.0	1		08/22/17 06:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 06:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 06:04	75-00-3	
Chloroform	<b>40.2</b>	ug/L	5.0	1		08/22/17 06:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 06:04	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 06:04	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 06:04	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 06:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 06:04	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 06:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 06:04	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 06:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 06:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 06:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 06:04	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 06:04	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 06:04	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 06:04	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 06:04	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 06:04	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-12	Lab ID: 50177817001	Collected: 08/15/17 13:50	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 06:04	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 06:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 06:04	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 06:04	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 06:04	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 06:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 06:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 06:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 06:04	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 06:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:04	120-82-1	
1,1,1-Trichloroethane	<b>75.0</b>	ug/L	5.0	1		08/22/17 06:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 06:04	79-00-5	
Trichloroethene	<b>41.9</b>	ug/L	5.0	1		08/22/17 06:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 06:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 06:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 06:04	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 06:04	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 06:04	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 06:04	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 06:04	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 06:04	460-00-4	
Toluene-d8 (S)	92	%.	86-111	1		08/22/17 06:04	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-13		Lab ID: 50177817002	Collected: 08/15/17 15:00	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:34	7440-38-2	
Barium	<b>73.3</b>	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:34	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:34	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:34	7440-47-3	
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:34	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:34	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:34	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:37	7440-38-2	
Barium, Dissolved	<b>58.2</b>	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:37	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:37	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:37	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:37	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:37	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:37	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:14	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:23	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 10:00	08/18/17 20:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 10:00	08/18/17 20:13	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 10:00	08/18/17 20:13	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	38	%	15-87	1	08/17/17 10:00	08/18/17 20:13	321-60-8	
p-Terphenyl-d14 (S)	47	%	10-116	1	08/17/17 10:00	08/18/17 20:13	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-13	Lab ID: 50177817002	Collected: 08/15/17 15:00	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 05:32	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 05:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 05:32	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 05:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 05:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 05:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 05:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 05:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 05:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 05:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 05:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 05:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 05:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 05:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 05:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 05:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 05:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 05:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 05:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 05:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 05:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 05:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 05:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 05:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 05:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 05:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 05:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 05:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 05:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 05:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 05:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 05:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 05:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 05:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 05:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 05:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 05:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 05:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 05:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 05:32	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-13		Lab ID: 50177817002		Collected: 08/15/17 15:00	Received: 08/16/17 11:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 05:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 05:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 05:32	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 05:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 05:32	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 05:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 05:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 05:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 05:32	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 05:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 05:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 05:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 05:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 05:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 05:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 05:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 05:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 05:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 05:32	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 05:32	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	84-113	1		08/22/17 05:32	460-00-4	
Toluene-d8 (S)	92	%.	86-111	1		08/22/17 05:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-14	Lab ID: 50177817003	Collected: 08/15/17 16:00	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:42	7440-38-2	
Barium	72.6	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:42	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:42	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:42	7440-47-3	
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:42	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:42	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:42	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:39	7440-38-2	
Barium, Dissolved	59.0	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:39	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:39	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:39	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:39	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:39	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:39	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:16	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:25	7439-97-6	
<b>8270 MSSV PAHLV</b> Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 21:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:22	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:22	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	59	%	15-87	1	08/17/17 14:00	08/18/17 21:22	321-60-8	
p-Terphenyl-d14 (S)	83	%	10-116	1	08/17/17 14:00	08/18/17 21:22	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-14	Lab ID: 50177817003	Collected: 08/15/17 16:00	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 02:33	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 02:33	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 02:33	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 02:33	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 02:33	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 02:33	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 02:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 02:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 02:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 02:33	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 02:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 02:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 02:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 02:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 02:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 02:33	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 02:33	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 02:33	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 02:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 02:33	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 02:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 02:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 02:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 02:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 02:33	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 02:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 02:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 02:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 02:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 02:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 02:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 02:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 02:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 02:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 02:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 02:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 02:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 02:33	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 02:33	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 02:33	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 02:33	591-78-6	L2
Iodomethane	ND	ug/L	10.0	1		08/22/17 02:33	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 02:33	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-14		Lab ID: 50177817003		Collected: 08/15/17 16:00	Received: 08/16/17 11:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 02:33	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 02:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 02:33	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 02:33	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 02:33	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 02:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 02:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 02:33	79-34-5	L2
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 02:33	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 02:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 02:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 02:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 02:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 02:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 02:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 02:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 02:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 02:33	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 02:33	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 02:33	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 02:33	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 02:33	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	84-113	1		08/22/17 02:33	460-00-4	
Toluene-d8 (S)	94	%.	86-111	1		08/22/17 02:33	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-FD-4	Lab ID: 50177817004	Collected: 08/15/17 16:05	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	13.3	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:44	7440-38-2	
Barium	75.0	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:44	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:44	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:44	7440-47-3	
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:44	7439-92-1	
Selenium	13.3	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:44	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:44	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:42	7440-38-2	
Barium, Dissolved	57.8	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:42	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:42	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:42	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:42	7439-92-1	
Selenium, Dissolved	12.4	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:42	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:42	7440-22-4	
<b>7470 Mercury</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:18	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:28	7439-97-6	
<b>8270 MSSV PAHLV</b>								
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 21:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:33	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:33	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	53	%	15-87	1	08/17/17 14:00	08/18/17 21:33	321-60-8	
p-Terphenyl-d14 (S)	81	%	10-116	1	08/17/17 14:00	08/18/17 21:33	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-FD-4	Lab ID: 50177817004	Collected: 08/15/17 16:05	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 03:06	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 03:06	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 03:06	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 03:06	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 03:06	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 03:06	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 03:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 03:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 03:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 03:06	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 03:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 03:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 03:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 03:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 03:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 03:06	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 03:06	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 03:06	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 03:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 03:06	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 03:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 03:06	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 03:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 03:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 03:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 03:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 03:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 03:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 03:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 03:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 03:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 03:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 03:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 03:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 03:06	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 03:06	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 03:06	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 03:06	591-78-6	L2
Iodomethane	ND	ug/L	10.0	1		08/22/17 03:06	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 03:06	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-FD-4		Lab ID: 50177817004		Collected: 08/15/17 16:05		Received: 08/16/17 11:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 03:06	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 03:06	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 03:06	108-10-1	L2	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 03:06	1634-04-4		
Naphthalene	ND	ug/L	5.0	1		08/22/17 03:06	91-20-3		
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	103-65-1		
Styrene	ND	ug/L	5.0	1		08/22/17 03:06	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 03:06	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 03:06	79-34-5	L2	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 03:06	127-18-4		
Toluene	ND	ug/L	5.0	1		08/22/17 03:06	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:06	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:06	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 03:06	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 03:06	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		08/22/17 03:06	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 03:06	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 03:06	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 03:06	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 03:06	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 03:06	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 03:06	1330-20-7		
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 03:06	1868-53-7		
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 03:06	460-00-4		
Toluene-d8 (S)	92	%.	86-111	1		08/22/17 03:06	2037-26-5		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-16		Lab ID: 50177817005	Collected: 08/15/17 17:40	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:46	7440-38-2	
Barium	87.5	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:46	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:46	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:46	7440-47-3	
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:46	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:46	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:46	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:44	7440-38-2	
Barium, Dissolved	70.3	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:44	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:44	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:44	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:44	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:44	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:44	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:20	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:30	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 21:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:45	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:45	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	55	%	15-87	1	08/17/17 14:00	08/18/17 21:45	321-60-8	
p-Terphenyl-d14 (S)	76	%	10-116	1	08/17/17 14:00	08/18/17 21:45	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-16	Lab ID: 50177817005	Collected: 08/15/17 17:40	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 03:38	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 03:38	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 03:38	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 03:38	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 03:38	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 03:38	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 03:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 03:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 03:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 03:38	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 03:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 03:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 03:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 03:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 03:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 03:38	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 03:38	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 03:38	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 03:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 03:38	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 03:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 03:38	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 03:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 03:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 03:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 03:38	75-35-4	
cis-1,2-Dichloroethene	<b>10.8</b>	ug/L	5.0	1		08/22/17 03:38	156-59-2	
trans-1,2-Dichloroethene	<b>8.6</b>	ug/L	5.0	1		08/22/17 03:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 03:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 03:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 03:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 03:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 03:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 03:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 03:38	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 03:38	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 03:38	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 03:38	591-78-6	L2
Iodomethane	ND	ug/L	10.0	1		08/22/17 03:38	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 03:38	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-16		Lab ID: 50177817005	Collected: 08/15/17 17:40	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 03:38	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 03:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 03:38	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 03:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 03:38	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 03:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 03:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 03:38	79-34-5	L2
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 03:38	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 03:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 03:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 03:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 03:38	79-00-5	
Trichloroethene	<b>38.9</b>	ug/L	5.0	1		08/22/17 03:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 03:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 03:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 03:38	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 03:38	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 03:38	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 03:38	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 03:38	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	84-113	1		08/22/17 03:38	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 03:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-17	Lab ID: 50177817006	Collected: 08/15/17 18:40	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	89.8	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:48	7440-38-2	
Barium	855	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:48	7440-39-3	
Cadmium	7.6	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:48	7440-43-9	
Chromium	149	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:48	7440-47-3	
Lead	94.1	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:48	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:48	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:48	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:46	7440-38-2	
Barium, Dissolved	52.1	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:46	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:46	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:46	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:46	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:46	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:46	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:22	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:32	7439-97-6	
<b>8270 MSSV PAHLV</b> Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 21:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 21:56	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 21:56	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	53	%	15-87	1	08/17/17 14:00	08/18/17 21:56	321-60-8	
p-Terphenyl-d14 (S)	73	%	10-116	1	08/17/17 14:00	08/18/17 21:56	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-17	Lab ID: 50177817006	Collected: 08/15/17 18:40	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/23/17 04:26	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/23/17 04:26	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/23/17 04:26	107-13-1	
Benzene	ND	ug/L	5.0	1		08/23/17 04:26	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/23/17 04:26	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/23/17 04:26	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/23/17 04:26	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/23/17 04:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/23/17 04:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/23/17 04:26	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/23/17 04:26	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/23/17 04:26	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/23/17 04:26	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/23/17 04:26	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/23/17 04:26	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/23/17 04:26	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/23/17 04:26	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/23/17 04:26	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/23/17 04:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/23/17 04:26	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/23/17 04:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/23/17 04:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/23/17 04:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/23/17 04:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/23/17 04:26	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/23/17 04:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/23/17 04:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/23/17 04:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/23/17 04:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/23/17 04:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/23/17 04:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/23/17 04:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/23/17 04:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/23/17 04:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/23/17 04:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/23/17 04:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/23/17 04:26	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/23/17 04:26	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/23/17 04:26	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/23/17 04:26	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/23/17 04:26	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/23/17 04:26	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/23/17 04:26	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-17		Lab ID: 50177817006	Collected: 08/15/17 18:40	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/23/17 04:26	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/23/17 04:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/23/17 04:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/23/17 04:26	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/23/17 04:26	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	103-65-1	
Styrene	ND	ug/L	5.0	1		08/23/17 04:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/23/17 04:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/23/17 04:26	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/23/17 04:26	127-18-4	
Toluene	ND	ug/L	5.0	1		08/23/17 04:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/23/17 04:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/23/17 04:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/23/17 04:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/23/17 04:26	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/23/17 04:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/23/17 04:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/23/17 04:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/23/17 04:26	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/23/17 04:26	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/23/17 04:26	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/23/17 04:26	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/23/17 04:26	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	84-113	1		08/23/17 04:26	460-00-4	
Toluene-d8 (S)	92	%.	86-111	1		08/23/17 04:26	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-18		Lab ID: 50177817007	Collected: 08/16/17 08:20	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:50	7440-38-2	
Barium	<b>76.5</b>	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:50	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:50	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:50	7440-47-3	
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:50	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:50	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:50	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:49	7440-38-2	
Barium, Dissolved	<b>69.8</b>	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:49	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:49	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:49	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:49	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:49	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:49	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:28	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:40	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 22:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:08	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:08	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	58	%	15-87	1	08/17/17 14:00	08/18/17 22:08	321-60-8	
p-Terphenyl-d14 (S)	88	%	10-116	1	08/17/17 14:00	08/18/17 22:08	1718-51-0	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-18	Lab ID: 50177817007	Collected: 08/16/17 08:20	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 05:15	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 05:15	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 05:15	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 05:15	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 05:15	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 05:15	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 05:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 05:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 05:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 05:15	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 05:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 05:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 05:15	108-90-7	
Chloroethane	5.3	ug/L	5.0	1		08/22/17 05:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 05:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 05:15	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 05:15	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 05:15	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 05:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 05:15	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 05:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 05:15	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 05:15	75-71-8	
1,1-Dichloroethane	5.5	ug/L	5.0	1		08/22/17 05:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 05:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 05:15	75-35-4	
cis-1,2-Dichloroethene	27.1	ug/L	5.0	1		08/22/17 05:15	156-59-2	
trans-1,2-Dichloroethene	13.0	ug/L	5.0	1		08/22/17 05:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 05:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 05:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 05:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 05:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 05:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 05:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 05:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 05:15	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 05:15	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 05:15	591-78-6	L2
Iodomethane	ND	ug/L	10.0	1		08/22/17 05:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 05:15	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-18		Lab ID: 50177817007		Collected: 08/16/17 08:20	Received: 08/16/17 11:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 05:15	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 05:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 05:15	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 05:15	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 05:15	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 05:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 05:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 05:15	79-34-5	L2
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 05:15	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 05:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 05:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 05:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 05:15	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 05:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 05:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 05:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 05:15	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 05:15	108-05-4	
Vinyl chloride	4.0	ug/L	2.0	1		08/22/17 05:15	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 05:15	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 05:15	1868-53-7	
4-Bromofluorobenzene (S)	91	%.	84-113	1		08/22/17 05:15	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 05:15	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-19		Lab ID: 50177817008		Collected: 08/16/17 09:10		Received: 08/16/17 11:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	10.3	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:53	7440-38-2		
Barium	97.7	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:53	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:53	7440-43-9		
Chromium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:53	7440-47-3		
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:53	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:53	7782-49-2		
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:53	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:51	7440-38-2		
Barium, Dissolved	95.0	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:51	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:51	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:51	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:51	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:51	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:51	7440-22-4		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:32	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:42	7439-97-6		
<b>8270 MSSV PAHLV</b>									
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	208-96-8		
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	207-08-9		
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 22:19	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	206-44-0		
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:19	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	91-57-6		
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	85-01-8		
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:19	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	39	%	15-87	1	08/17/17 14:00	08/18/17 22:19	321-60-8		
p-Terphenyl-d14 (S)	78	%	10-116	1	08/17/17 14:00	08/18/17 22:19	1718-51-0		

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-19	Lab ID: 50177817008	Collected: 08/16/17 09:10	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 06:53	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 06:53	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 06:53	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 06:53	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 06:53	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 06:53	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 06:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 06:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 06:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 06:53	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 06:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 06:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 06:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 06:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 06:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 06:53	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 06:53	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 06:53	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 06:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 06:53	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 06:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 06:53	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 06:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 06:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 06:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 06:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 06:53	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 06:53	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 06:53	591-78-6	L2
Iodomethane	ND	ug/L	10.0	1		08/22/17 06:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 06:53	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-19		Lab ID: 50177817008		Collected: 08/16/17 09:10	Received: 08/16/17 11:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 06:53	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 06:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 06:53	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 06:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 06:53	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 06:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 06:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 06:53	79-34-5	L2
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 06:53	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 06:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 06:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 06:53	79-00-5	
Trichloroethene	<b>40.8</b>	ug/L	5.0	1		08/22/17 06:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 06:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 06:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 06:53	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 06:53	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 06:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 06:53	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	106	%.	86-116	1		08/22/17 06:53	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 06:53	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 06:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-20		Lab ID: 50177817009	Collected: 08/16/17 10:25	Received: 08/16/17 11:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	13.7	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:55	7440-38-2	
Barium	173	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:55	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/18/17 11:05	08/22/17 03:55	7440-43-9	
Chromium	16.2	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:55	7440-47-3	
Lead	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:55	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:55	7782-49-2	
Silver	ND	ug/L	10.0	1	08/18/17 11:05	08/22/17 03:55	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:53	7440-38-2	
Barium, Dissolved	116	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:53	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/21/17 06:28	08/22/17 00:53	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:53	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:53	7439-92-1	
Selenium, Dissolved	10.3	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:53	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/21/17 06:28	08/22/17 00:53	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/24/17 12:48	08/24/17 19:34	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/21/17 11:41	08/21/17 21:45	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/17/17 14:00	08/18/17 22:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/17/17 14:00	08/18/17 22:30	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/17/17 14:00	08/18/17 22:30	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	36	%	15-87	1	08/17/17 14:00	08/18/17 22:30	321-60-8	
p-Terphenyl-d14 (S)	59	%	10-116	1	08/17/17 14:00	08/18/17 22:30	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-20	Lab ID: 50177817009	Collected: 08/16/17 10:25	Received: 08/16/17 11:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 23:35	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 23:35	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 23:35	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 23:35	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 23:35	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 23:35	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 23:35	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 23:35	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 23:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 23:35	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 23:35	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 23:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 23:35	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 23:35	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 23:35	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 23:35	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 23:35	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 23:35	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 23:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 23:35	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 23:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 23:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 23:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 23:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 23:35	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 23:35	75-71-8	
1,1-Dichloroethane	8.7	ug/L	5.0	1		08/22/17 23:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 23:35	107-06-2	
1,1-Dichloroethene	38.1	ug/L	5.0	1		08/22/17 23:35	75-35-4	
cis-1,2-Dichloroethene	635	ug/L	50.0	10		08/24/17 09:58	156-59-2	
trans-1,2-Dichloroethene	42.2	ug/L	5.0	1		08/22/17 23:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 23:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 23:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 23:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 23:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 23:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 23:35	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 23:35	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 23:35	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 23:35	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 23:35	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 23:35	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 23:35	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Sample: RB-GW-SB-20		Lab ID: 50177817009		Collected: 08/16/17 10:25	Received: 08/16/17 11:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 23:35	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 23:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 23:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 23:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 23:35	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 23:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 23:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 23:35	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 23:35	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 23:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 23:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 23:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 23:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 23:35	79-00-5	
Trichloroethene	<b>20.5</b>	ug/L	5.0	1		08/22/17 23:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 23:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 23:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 23:35	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 23:35	108-05-4	
Vinyl chloride	<b>28.5</b>	ug/L	2.0	1		08/22/17 23:35	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 23:35	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 23:35	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 23:35	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 23:35	2037-26-5	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

QC Batch: 402136 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

METHOD BLANK: 1851116 Matrix: Water  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	08/24/17 18:55	

LABORATORY CONTROL SAMPLE: 1851117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.6	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851118 1851119

Parameter	Units	50177817001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.2	5.0	101	96	75-125	5	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851120 1851121

Parameter	Units	50178072002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.3	5.2	103	102	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

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QC Batch: 402231 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

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METHOD BLANK: 1851453 Matrix: Water  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	2.0	08/21/17 21:01	

LABORATORY CONTROL SAMPLE: 1851454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851455 1851456

Parameter	Units	1851455		1851456		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50177817001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury, Dissolved	ug/L	ND	5	5	5.0	4.8	99	95	75-125	3	20

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

QC Batch: 401989 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

METHOD BLANK: 1850224 Matrix: Water  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	08/22/17 03:00	
Barium	ug/L	ND	10.0	08/22/17 03:00	
Cadmium	ug/L	ND	2.0	08/22/17 03:00	
Chromium	ug/L	ND	10.0	08/22/17 03:00	
Lead	ug/L	ND	10.0	08/22/17 03:00	
Selenium	ug/L	ND	10.0	08/22/17 03:00	
Silver	ug/L	ND	10.0	08/22/17 03:00	

LABORATORY CONTROL SAMPLE: 1850225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	989	99	80-120	
Barium	ug/L	1000	984	98	80-120	
Cadmium	ug/L	1000	994	99	80-120	
Chromium	ug/L	1000	985	99	80-120	
Lead	ug/L	1000	953	95	80-120	
Selenium	ug/L	1000	1040	104	80-120	
Silver	ug/L	500	461	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1850226 1850227

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50177817001 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	ug/L	30.1	1000	1000	1040	1020	101	99	75-125	2	20
Barium	ug/L	248	1000	1000	1230	1210	98	96	75-125	1	20
Cadmium	ug/L	3.8	1000	1000	1020	1000	102	100	75-125	1	20
Chromium	ug/L	48.2	1000	1000	1090	1030	104	98	75-125	6	20
Lead	ug/L	34.3	1000	1000	915	900	88	87	75-125	2	20
Selenium	ug/L	53.3	1000	1000	1090	1080	104	102	75-125	1	20
Silver	ug/L	ND	500	500	519	489	104	98	75-125	6	20

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

QC Batch: 402150 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

METHOD BLANK: 1851154 Matrix: Water  
Associated Lab Samples: 50177817001, 50177817002, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	08/21/17 23:55	
Barium, Dissolved	ug/L	ND	10.0	08/21/17 23:55	
Cadmium, Dissolved	ug/L	ND	2.0	08/21/17 23:55	
Chromium, Dissolved	ug/L	ND	10.0	08/21/17 23:55	
Lead, Dissolved	ug/L	ND	10.0	08/21/17 23:55	
Selenium, Dissolved	ug/L	ND	10.0	08/21/17 23:55	
Silver, Dissolved	ug/L	ND	10.0	08/21/17 23:55	

LABORATORY CONTROL SAMPLE: 1851155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	974	97	80-120	
Barium, Dissolved	ug/L	1000	962	96	80-120	
Cadmium, Dissolved	ug/L	1000	966	97	80-120	
Chromium, Dissolved	ug/L	1000	1010	101	80-120	
Lead, Dissolved	ug/L	1000	942	94	80-120	
Selenium, Dissolved	ug/L	1000	1000	100	80-120	
Silver, Dissolved	ug/L	500	476	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851156 1851159

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		50178001003 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic, Dissolved	ug/L	ND	1000	1000	984	984	98	98	75-125	0	20
Barium, Dissolved	ug/L	ND	1000	1000	978	973	97	97	75-125	1	20
Cadmium, Dissolved	ug/L	ND	1000	1000	976	977	98	98	75-125	0	20
Chromium, Dissolved	ug/L	ND	1000	1000	1020	998	102	100	75-125	2	20
Lead, Dissolved	ug/L	ND	1000	1000	947	947	95	95	75-125	0	20
Selenium, Dissolved	ug/L	ND	1000	1000	1010	1010	101	101	75-125	0	20
Silver, Dissolved	ug/L	ND	500	500	482	467	96	93	75-125	3	20

MATRIX SPIKE SAMPLE: 1851157

Parameter	Units	50177817001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	ND	1000	1000	100	75-125	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

MATRIX SPIKE SAMPLE:		1851157					
Parameter	Units	50177817001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium, Dissolved	ug/L	67.4	1000	1020	95	75-125	
Cadmium, Dissolved	ug/L	ND	1000	978	98	75-125	
Chromium, Dissolved	ug/L	ND	1000	982	98	75-125	
Lead, Dissolved	ug/L	ND	1000	904	90	75-125	
Selenium, Dissolved	ug/L	26.6	1000	1050	102	75-125	
Silver, Dissolved	ug/L	ND	500	473	94	75-125	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

QC Batch: 402347 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 50177817001, 50177817002

METHOD BLANK: 1851991 Matrix: Water

Associated Lab Samples: 50177817001, 50177817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/21/17 22:30	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/21/17 22:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/21/17 22:30	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/21/17 22:30	
1,1-Dichloroethane	ug/L	ND	5.0	08/21/17 22:30	
1,1-Dichloroethene	ug/L	ND	5.0	08/21/17 22:30	
1,1-Dichloropropene	ug/L	ND	5.0	08/21/17 22:30	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/21/17 22:30	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/21/17 22:30	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/21/17 22:30	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/21/17 22:30	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/21/17 22:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:30	
1,2-Dichloroethane	ug/L	ND	5.0	08/21/17 22:30	
1,2-Dichloropropane	ug/L	ND	5.0	08/21/17 22:30	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/21/17 22:30	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:30	
1,3-Dichloropropane	ug/L	ND	5.0	08/21/17 22:30	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:30	
2,2-Dichloropropane	ug/L	ND	5.0	08/21/17 22:30	
2-Butanone (MEK)	ug/L	ND	25.0	08/21/17 22:30	
2-Chlorotoluene	ug/L	ND	5.0	08/21/17 22:30	
2-Hexanone	ug/L	ND	25.0	08/21/17 22:30	
4-Chlorotoluene	ug/L	ND	5.0	08/21/17 22:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/21/17 22:30	
Acetone	ug/L	ND	100	08/21/17 22:30	
Acrolein	ug/L	ND	50.0	08/21/17 22:30	
Acrylonitrile	ug/L	ND	100	08/21/17 22:30	
Benzene	ug/L	ND	5.0	08/21/17 22:30	
Bromobenzene	ug/L	ND	5.0	08/21/17 22:30	
Bromochloromethane	ug/L	ND	5.0	08/21/17 22:30	
Bromodichloromethane	ug/L	ND	5.0	08/21/17 22:30	
Bromoform	ug/L	ND	5.0	08/21/17 22:30	
Bromomethane	ug/L	ND	5.0	08/21/17 22:30	
Carbon disulfide	ug/L	ND	10.0	08/21/17 22:30	
Carbon tetrachloride	ug/L	ND	5.0	08/21/17 22:30	
Chlorobenzene	ug/L	ND	5.0	08/21/17 22:30	
Chloroethane	ug/L	ND	5.0	08/21/17 22:30	
Chloroform	ug/L	ND	5.0	08/21/17 22:30	
Chloromethane	ug/L	ND	5.0	08/21/17 22:30	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/21/17 22:30	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

METHOD BLANK: 1851991

Matrix: Water

Associated Lab Samples: 50177817001, 50177817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/21/17 22:30	
Dibromochloromethane	ug/L	ND	5.0	08/21/17 22:30	
Dibromomethane	ug/L	ND	5.0	08/21/17 22:30	
Dichlorodifluoromethane	ug/L	ND	5.0	08/21/17 22:30	
Ethyl methacrylate	ug/L	ND	100	08/21/17 22:30	
Ethylbenzene	ug/L	ND	5.0	08/21/17 22:30	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/21/17 22:30	
Iodomethane	ug/L	ND	10.0	08/21/17 22:30	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/21/17 22:30	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/21/17 22:30	
Methylene Chloride	ug/L	ND	5.0	08/21/17 22:30	
n-Butylbenzene	ug/L	ND	5.0	08/21/17 22:30	
n-Hexane	ug/L	ND	5.0	08/21/17 22:30	
n-Propylbenzene	ug/L	ND	5.0	08/21/17 22:30	
Naphthalene	ug/L	ND	5.0	08/21/17 22:30	
p-Isopropyltoluene	ug/L	ND	5.0	08/21/17 22:30	
sec-Butylbenzene	ug/L	ND	5.0	08/21/17 22:30	
Styrene	ug/L	ND	5.0	08/21/17 22:30	
tert-Butylbenzene	ug/L	ND	5.0	08/21/17 22:30	
Tetrachloroethene	ug/L	ND	5.0	08/21/17 22:30	
Toluene	ug/L	ND	5.0	08/21/17 22:30	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/21/17 22:30	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/21/17 22:30	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/21/17 22:30	
Trichloroethene	ug/L	ND	5.0	08/21/17 22:30	
Trichlorofluoromethane	ug/L	ND	5.0	08/21/17 22:30	
Vinyl acetate	ug/L	ND	50.0	08/21/17 22:30	
Vinyl chloride	ug/L	ND	2.0	08/21/17 22:30	
Xylene (Total)	ug/L	ND	10.0	08/21/17 22:30	
4-Bromofluorobenzene (S)	%	90	84-113	08/21/17 22:30	
Dibromofluoromethane (S)	%	105	86-116	08/21/17 22:30	
Toluene-d8 (S)	%	92	86-111	08/21/17 22:30	

LABORATORY CONTROL SAMPLE: 1851992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.5	109	80-123	
1,1,1-Trichloroethane	ug/L	50	52.7	105	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	38.2	76	74-124	
1,1,2-Trichloroethane	ug/L	50	47.1	94	79-121	
1,1-Dichloroethane	ug/L	50	43.1	86	77-122	
1,1-Dichloroethene	ug/L	50	57.4	115	70-131	
1,1-Dichloropropene	ug/L	50	49.1	98	79-124	
1,2,3-Trichlorobenzene	ug/L	50	55.5	111	70-129	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1851992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	43.8	88	79-128	
1,2,4-Trichlorobenzene	ug/L	50	52.2	104	69-129	
1,2,4-Trimethylbenzene	ug/L	50	44.0	88	76-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	81-123	
1,2-Dichlorobenzene	ug/L	50	51.1	102	77-118	
1,2-Dichloroethane	ug/L	50	41.9	84	72-119	
1,2-Dichloropropane	ug/L	50	46.2	92	78-125	
1,3,5-Trimethylbenzene	ug/L	50	43.5	87	79-123	
1,3-Dichlorobenzene	ug/L	50	52.3	105	74-120	
1,3-Dichloropropane	ug/L	50	45.2	90	80-127	
1,4-Dichlorobenzene	ug/L	50	49.3	99	72-118	
2,2-Dichloropropane	ug/L	50	50.3	101	41-145	
2-Butanone (MEK)	ug/L	250	228	91	61-150	
2-Chlorotoluene	ug/L	50	40.5	81	77-119	
2-Hexanone	ug/L	250	177	71	67-141	
4-Chlorotoluene	ug/L	50	51.7	103	75-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	175	70	71-131	L2
Acetone	ug/L	250	232	93	39-166	
Acrolein	ug/L	1000	1130	113	22-200	
Acrylonitrile	ug/L	200	176	88	62-130	
Benzene	ug/L	50	48.1	96	79-120	
Bromobenzene	ug/L	50	40.9	82	76-121	
Bromochloromethane	ug/L	50	39.0	78	69-136	
Bromodichloromethane	ug/L	50	49.9	100	76-125	
Bromoform	ug/L	50	57.6	115	69-119	
Bromomethane	ug/L	50	51.9	104	27-161	
Carbon disulfide	ug/L	50	46.4	93	60-130	
Carbon tetrachloride	ug/L	50	57.5	115	74-132	
Chlorobenzene	ug/L	50	51.2	102	77-116	
Chloroethane	ug/L	50	50.0	100	51-132	
Chloroform	ug/L	50	48.7	97	76-118	
Chloromethane	ug/L	50	37.1	74	46-126	
cis-1,2-Dichloroethene	ug/L	50	55.3	111	74-126	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	78-125	
Dibromochloromethane	ug/L	50	56.2	112	80-123	
Dibromomethane	ug/L	50	51.3	103	75-124	
Dichlorodifluoromethane	ug/L	50	55.6	111	42-152	
Ethyl methacrylate	ug/L	200	174	87	75-136	
Ethylbenzene	ug/L	50	53.3	107	80-123	
Hexachloro-1,3-butadiene	ug/L	50	53.3	107	74-127	
Iodomethane	ug/L	100	120	120	43-156	
Isopropylbenzene (Cumene)	ug/L	50	50.5	101	80-122	
Methyl-tert-butyl ether	ug/L	50	46.7	93	63-131	
Methylene Chloride	ug/L	50	50.3	101	62-126	
n-Butylbenzene	ug/L	50	40.7	81	75-123	
n-Hexane	ug/L	50	44.0	88	66-129	
n-Propylbenzene	ug/L	50	43.0	86	79-128	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1851992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	45.5	91	66-130	
p-Isopropyltoluene	ug/L	50	46.1	92	79-124	
sec-Butylbenzene	ug/L	50	45.2	90	80-126	
Styrene	ug/L	50	50.5	101	81-125	
tert-Butylbenzene	ug/L	50	44.2	88	62-106	
Tetrachloroethene	ug/L	50	46.1	92	74-119	
Toluene	ug/L	50	45.9	92	77-117	
trans-1,2-Dichloroethene	ug/L	50	56.0	112	74-128	
trans-1,3-Dichloropropene	ug/L	50	45.1	90	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	168	84	42-134	
Trichloroethene	ug/L	50	55.0	110	75-119	
Trichlorofluoromethane	ug/L	50	55.9	112	57-152	
Vinyl acetate	ug/L	200	168	84	71-148	
Vinyl chloride	ug/L	50	45.8	92	62-137	
Xylene (Total)	ug/L	150	152	101	79-121	
4-Bromofluorobenzene (S)	%			92	84-113	
Dibromofluoromethane (S)	%			108	86-116	
Toluene-d8 (S)	%			90	86-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851993 1851994

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		50177817001 Result	Spike Conc.	Spike Conc.	Result							
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	118	105	118	105	48-143	12	20	
1,1,1-Trichloroethane	ug/L	75.0	100	100	200	193	125	118	52-142	4	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	83.0	75.8	83	76	48-143	9	20	
1,1,2-Trichloroethane	ug/L	ND	100	100	107	94.4	107	94	51-139	13	20	
1,1-Dichloroethane	ug/L	ND	100	100	98.8	93.5	95	89	53-139	6	20	
1,1-Dichloroethene	ug/L	ND	100	100	124	115	124	115	50-149	7	20	
1,1-Dichloropropene	ug/L	ND	100	100	110	98.4	110	98	52-145	11	20	
1,2,3-Trichlorobenzene	ug/L	ND	100	100	117	109	117	109	30-144	8	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	93.2	86.3	93	86	49-149	8	20	
1,2,4-Trichlorobenzene	ug/L	ND	100	100	113	103	113	103	24-146	9	20	
1,2,4-Trimethylbenzene	ug/L	ND	100	100	100	90.1	100	90	33-150	10	20	
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	114	101	114	101	54-141	12	20	
1,2-Dichlorobenzene	ug/L	ND	100	100	117	104	117	104	33-142	12	20	
1,2-Dichloroethane	ug/L	ND	100	100	94.6	84.2	95	84	47-138	12	20	
1,2-Dichloropropane	ug/L	ND	100	100	99.9	89.1	100	89	55-142	11	20	
1,3,5-Trimethylbenzene	ug/L	ND	100	100	101	89.7	101	90	31-150	12	20	
1,3-Dichlorobenzene	ug/L	ND	100	100	115	103	115	103	27-145	11	20	
1,3-Dichloropropane	ug/L	ND	100	100	99.0	87.5	99	87	55-145	12	20	
1,4-Dichlorobenzene	ug/L	ND	100	100	111	98.0	111	98	27-140	12	20	
2,2-Dichloropropane	ug/L	ND	100	100	107	92.4	107	92	23-144	15	20	
2-Butanone (MEK)	ug/L	ND	500	500	464	431	93	86	39-159	7	20	
2-Chlorotoluene	ug/L	ND	100	100	86.7	77.8	87	78	31-148	11	20	

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**QUALITY CONTROL DATA**

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851993		1851994		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		50177817001 Result	MS Spike Conc.	MSD Spike Conc.									
2-Hexanone	ug/L	ND	500	500	387	354	77	71	47-151	9	20		
4-Chlorotoluene	ug/L	ND	100	100	116	103	116	103	30-148	12	20		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	388	353	78	71	48-146	9	20		
Acetone	ug/L	ND	500	500	423	407	85	81	31-152	4	20		
Acrolein	ug/L	ND	2000	2000	2220	2040	111	102	23-200	8	20		
Acrylonitrile	ug/L	ND	400	400	371	339	93	85	42-143	9	20		
Benzene	ug/L	ND	100	100	108	94.6	108	95	57-136	13	20		
Bromobenzene	ug/L	ND	100	100	92.5	81.3	92	81	45-138	13	20		
Bromochloromethane	ug/L	ND	100	100	84.2	72.6	84	73	50-145	15	20		
Bromodichloromethane	ug/L	ND	100	100	112	99.6	112	100	49-142	11	20		
Bromoform	ug/L	ND	100	100	114	104	114	104	39-131	10	20		
Bromomethane	ug/L	ND	100	100	121	117	121	117	10-162	4	20		
Carbon disulfide	ug/L	ND	100	100	97.8	87.6	98	88	34-142	11	20		
Carbon tetrachloride	ug/L	67.9	100	100	202	192	134	124	47-150	5	20		
Chlorobenzene	ug/L	ND	100	100	113	99.1	113	99	42-138	13	20		
Chloroethane	ug/L	ND	100	100	111	99.0	111	99	34-148	12	20		
Chloroform	ug/L	40.2	100	100	155	143	115	103	54-136	8	20		
Chloromethane	ug/L	ND	100	100	81.4	72.7	81	73	27-138	11	20		
cis-1,2-Dichloroethene	ug/L	ND	100	100	119	104	119	104	48-147	14	20		
cis-1,3-Dichloropropene	ug/L	ND	100	100	96.0	84.2	96	84	40-142	13	20		
Dibromochloromethane	ug/L	ND	100	100	121	107	121	107	46-143	12	20		
Dibromomethane	ug/L	ND	100	100	112	99.4	112	99	53-140	12	20		
Dichlorodifluoromethane	ug/L	ND	100	100	110	102	110	102	23-169	7	20		
Ethyl methacrylate	ug/L	ND	400	400	401	357	100	89	54-149	12	20		
Ethylbenzene	ug/L	ND	100	100	120	106	120	106	40-147	12	20		
Hexachloro-1,3-butadiene	ug/L	ND	100	100	106	99.3	106	99	19-156	6	20		
Iodomethane	ug/L	ND	200	200	259	241	129	121	13-136	7	20		
Isopropylbenzene (Cumene)	ug/L	ND	100	100	120	106	120	106	37-151	13	20		
Methyl-tert-butyl ether	ug/L	ND	100	100	102	93.8	102	94	46-147	9	20		
Methylene Chloride	ug/L	ND	100	100	96.8	86.1	97	86	40-138	12	20		
n-Butylbenzene	ug/L	ND	100	100	91.9	82.2	92	82	21-155	11	20		
n-Hexane	ug/L	ND	100	100	109	96.4	109	96	50-137	12	20		
n-Propylbenzene	ug/L	ND	100	100	94.0	84.2	94	84	29-158	11	20		
Naphthalene	ug/L	ND	100	100	99.7	91.8	100	92	43-139	8	20		
p-Isopropyltoluene	ug/L	ND	100	100	104	94.6	104	95	25-156	9	20		
sec-Butylbenzene	ug/L	ND	100	100	103	93.0	103	93	27-159	10	20		
Styrene	ug/L	ND	100	100	117	102	117	102	34-149	14	20		
tert-Butylbenzene	ug/L	ND	100	100	89.2	79.8	89	80	25-128	11	20		
Tetrachloroethene	ug/L	ND	100	100	105	93.4	105	93	37-144	12	20		
Toluene	ug/L	ND	100	100	104	91.5	103	91	46-137	13	20		
trans-1,2-Dichloroethene	ug/L	ND	100	100	120	109	120	109	51-145	10	20		
trans-1,3-Dichloropropene	ug/L	ND	100	100	95.8	83.7	96	84	41-143	13	20		
trans-1,4-Dichloro-2-butene	ug/L	ND	400	400	324	291	81	73	10-145	10	20		
Trichloroethene	ug/L	41.9	100	100	166	154	124	112	45-139	7	20		
Trichlorofluoromethane	ug/L	ND	100	100	137	124	137	124	42-164	10	20		

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851993		1851994		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		50177817001 Result	MS Spike Conc.	MSD Spike Conc.									
Vinyl acetate	ug/L	ND	400	400	376	336	94	84	10-149	11	20		
Vinyl chloride	ug/L	ND	100	100	105	90.1	105	90	43-154	15	20		
Xylene (Total)	ug/L	ND	300	300	352	308	117	103	37-146	13	20		
4-Bromofluorobenzene (S)	%.						96	94	84-113				
Dibromofluoromethane (S)	%.						107	107	86-116				
Toluene-d8 (S)	%.						90	89	86-111				

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

QC Batch: 402348 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
 Associated Lab Samples: 50177817003, 50177817004, 50177817005, 50177817007, 50177817008

METHOD BLANK: 1851995 Matrix: Water  
 Associated Lab Samples: 50177817003, 50177817004, 50177817005, 50177817007, 50177817008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1-Dichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1-Dichloroethene	ug/L	ND	5.0	08/21/17 22:14	
1,1-Dichloropropene	ug/L	ND	5.0	08/21/17 22:14	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/21/17 22:14	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dichloropropane	ug/L	ND	5.0	08/21/17 22:14	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/21/17 22:14	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,3-Dichloropropane	ug/L	ND	5.0	08/21/17 22:14	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
2,2-Dichloropropane	ug/L	ND	5.0	08/21/17 22:14	
2-Butanone (MEK)	ug/L	ND	25.0	08/21/17 22:14	
2-Chlorotoluene	ug/L	ND	5.0	08/21/17 22:14	
2-Hexanone	ug/L	ND	25.0	08/21/17 22:14	
4-Chlorotoluene	ug/L	ND	5.0	08/21/17 22:14	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/21/17 22:14	
Acetone	ug/L	ND	100	08/21/17 22:14	
Acrolein	ug/L	ND	50.0	08/21/17 22:14	
Acrylonitrile	ug/L	ND	100	08/21/17 22:14	
Benzene	ug/L	ND	5.0	08/21/17 22:14	
Bromobenzene	ug/L	ND	5.0	08/21/17 22:14	
Bromochloromethane	ug/L	ND	5.0	08/21/17 22:14	
Bromodichloromethane	ug/L	ND	5.0	08/21/17 22:14	
Bromoform	ug/L	ND	5.0	08/21/17 22:14	
Bromomethane	ug/L	ND	5.0	08/21/17 22:14	
Carbon disulfide	ug/L	ND	10.0	08/21/17 22:14	
Carbon tetrachloride	ug/L	ND	5.0	08/21/17 22:14	
Chlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
Chloroethane	ug/L	ND	5.0	08/21/17 22:14	
Chloroform	ug/L	ND	5.0	08/21/17 22:14	
Chloromethane	ug/L	ND	5.0	08/21/17 22:14	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/21/17 22:14	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

METHOD BLANK: 1851995

Matrix: Water

Associated Lab Samples: 50177817003, 50177817004, 50177817005, 50177817007, 50177817008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/21/17 22:14	
Dibromochloromethane	ug/L	ND	5.0	08/21/17 22:14	
Dibromomethane	ug/L	ND	5.0	08/21/17 22:14	
Dichlorodifluoromethane	ug/L	ND	5.0	08/21/17 22:14	
Ethyl methacrylate	ug/L	ND	100	08/21/17 22:14	
Ethylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/21/17 22:14	
Iodomethane	ug/L	ND	10.0	08/21/17 22:14	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/21/17 22:14	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/21/17 22:14	
Methylene Chloride	ug/L	ND	5.0	08/21/17 22:14	
n-Butylbenzene	ug/L	ND	5.0	08/21/17 22:14	
n-Hexane	ug/L	ND	5.0	08/21/17 22:14	
n-Propylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Naphthalene	ug/L	ND	5.0	08/21/17 22:14	
p-Isopropyltoluene	ug/L	ND	5.0	08/21/17 22:14	
sec-Butylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Styrene	ug/L	ND	5.0	08/21/17 22:14	
tert-Butylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Tetrachloroethene	ug/L	ND	5.0	08/21/17 22:14	
Toluene	ug/L	ND	5.0	08/21/17 22:14	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/21/17 22:14	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/21/17 22:14	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/21/17 22:14	
Trichloroethene	ug/L	ND	5.0	08/21/17 22:14	
Trichlorofluoromethane	ug/L	ND	5.0	08/21/17 22:14	
Vinyl acetate	ug/L	ND	50.0	08/21/17 22:14	
Vinyl chloride	ug/L	ND	2.0	08/21/17 22:14	
Xylene (Total)	ug/L	ND	10.0	08/21/17 22:14	
4-Bromofluorobenzene (S)	%	91	84-113	08/21/17 22:14	
Dibromofluoromethane (S)	%	108	86-116	08/21/17 22:14	
Toluene-d8 (S)	%	93	86-111	08/21/17 22:14	

LABORATORY CONTROL SAMPLE: 1851996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.6	109	80-123	
1,1,1-Trichloroethane	ug/L	50	51.3	103	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	36.6	73	74-124	L2
1,1,2-Trichloroethane	ug/L	50	46.7	93	79-121	
1,1-Dichloroethane	ug/L	50	42.9	86	77-122	
1,1-Dichloroethene	ug/L	50	51.6	103	70-131	
1,1-Dichloropropene	ug/L	50	48.8	98	79-124	
1,2,3-Trichlorobenzene	ug/L	50	55.0	110	70-129	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1851996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	46.6	93	79-128	
1,2,4-Trichlorobenzene	ug/L	50	51.6	103	69-129	
1,2,4-Trimethylbenzene	ug/L	50	43.5	87	76-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	81-123	
1,2-Dichlorobenzene	ug/L	50	50.0	100	77-118	
1,2-Dichloroethane	ug/L	50	39.6	79	72-119	
1,2-Dichloropropane	ug/L	50	44.3	89	78-125	
1,3,5-Trimethylbenzene	ug/L	50	42.0	84	79-123	
1,3-Dichlorobenzene	ug/L	50	49.5	99	74-120	
1,3-Dichloropropane	ug/L	50	44.5	89	80-127	
1,4-Dichlorobenzene	ug/L	50	48.2	96	72-118	
2,2-Dichloropropane	ug/L	50	50.1	100	41-145	
2-Butanone (MEK)	ug/L	250	210	84	61-150	
2-Chlorotoluene	ug/L	50	39.5	79	77-119	
2-Hexanone	ug/L	250	162	65	67-141	L2
4-Chlorotoluene	ug/L	50	48.7	97	75-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	170	68	71-131	L2
Acetone	ug/L	250	197	79	39-166	
Acrolein	ug/L	1000	625	63	22-200	
Acrylonitrile	ug/L	200	161	81	62-130	
Benzene	ug/L	50	46.7	93	79-120	
Bromobenzene	ug/L	50	41.0	82	76-121	
Bromochloromethane	ug/L	50	38.7	77	69-136	
Bromodichloromethane	ug/L	50	47.3	95	76-125	
Bromoform	ug/L	50	54.0	108	69-119	
Bromomethane	ug/L	50	57.1	114	27-161	
Carbon disulfide	ug/L	50	44.8	90	60-130	
Carbon tetrachloride	ug/L	50	55.9	112	74-132	
Chlorobenzene	ug/L	50	49.6	99	77-116	
Chloroethane	ug/L	50	44.9	90	51-132	
Chloroform	ug/L	50	48.2	96	76-118	
Chloromethane	ug/L	50	31.0	62	46-126	
cis-1,2-Dichloroethene	ug/L	50	51.7	103	74-126	
cis-1,3-Dichloropropene	ug/L	50	44.8	90	78-125	
Dibromochloromethane	ug/L	50	56.9	114	80-123	
Dibromomethane	ug/L	50	52.3	105	75-124	
Dichlorodifluoromethane	ug/L	50	58.4	117	42-152	
Ethyl methacrylate	ug/L	200	172	86	75-136	
Ethylbenzene	ug/L	50	52.6	105	80-123	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	74-127	
Iodomethane	ug/L	100	134	134	43-156	
Isopropylbenzene (Cumene)	ug/L	50	49.6	99	80-122	
Methyl-tert-butyl ether	ug/L	50	44.7	89	63-131	
Methylene Chloride	ug/L	50	47.6	95	62-126	
n-Butylbenzene	ug/L	50	40.9	82	75-123	
n-Hexane	ug/L	50	43.8	88	66-129	
n-Propylbenzene	ug/L	50	40.4	81	79-128	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1851996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	44.5	89	66-130	
p-Isopropyltoluene	ug/L	50	45.8	92	79-124	
sec-Butylbenzene	ug/L	50	44.7	89	80-126	
Styrene	ug/L	50	50.5	101	81-125	
tert-Butylbenzene	ug/L	50	37.1	74	62-106	
Tetrachloroethene	ug/L	50	53.1	106	74-119	
Toluene	ug/L	50	46.7	93	77-117	
trans-1,2-Dichloroethene	ug/L	50	54.6	109	74-128	
trans-1,3-Dichloropropene	ug/L	50	44.2	88	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	158	79	42-134	
Trichloroethene	ug/L	50	53.6	107	75-119	
Trichlorofluoromethane	ug/L	50	55.4	111	57-152	
Vinyl acetate	ug/L	200	157	78	71-148	
Vinyl chloride	ug/L	50	45.5	91	62-137	
Xylene (Total)	ug/L	150	148	99	79-121	
4-Bromofluorobenzene (S)	%			93	84-113	
Dibromofluoromethane (S)	%			105	86-116	
Toluene-d8 (S)	%			90	86-111	

MATRIX SPIKE SAMPLE: 1851998

Parameter	Units	50177817008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	42.1	84	48-143	
1,1,1-Trichloroethane	ug/L	ND	50	45.2	88	52-142	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	30.2	60	48-143	
1,1,2-Trichloroethane	ug/L	ND	50	35.9	72	51-139	
1,1-Dichloroethane	ug/L	ND	50	35.7	71	53-139	
1,1-Dichloroethene	ug/L	ND	50	44.8	90	50-149	
1,1-Dichloropropene	ug/L	ND	50	40.1	80	52-145	
1,2,3-Trichlorobenzene	ug/L	ND	50	42.8	84	30-144	
1,2,3-Trichloropropane	ug/L	ND	50	37.8	76	49-149	
1,2,4-Trichlorobenzene	ug/L	ND	50	41.7	82	24-146	
1,2,4-Trimethylbenzene	ug/L	ND	50	36.2	72	33-150	
1,2-Dibromoethane (EDB)	ug/L	ND	50	40.9	82	54-141	
1,2-Dichlorobenzene	ug/L	ND	50	39.9	80	33-142	
1,2-Dichloroethane	ug/L	ND	50	33.9	68	47-138	
1,2-Dichloropropane	ug/L	ND	50	35.4	71	55-142	
1,3,5-Trimethylbenzene	ug/L	ND	50	35.3	71	31-150	
1,3-Dichlorobenzene	ug/L	ND	50	40.3	81	27-145	
1,3-Dichloropropane	ug/L	ND	50	34.7	69	55-145	
1,4-Dichlorobenzene	ug/L	ND	50	39.6	79	27-140	
2,2-Dichloropropane	ug/L	ND	50	37.8	76	23-144	
2-Butanone (MEK)	ug/L	ND	250	164	66	39-159	
2-Chlorotoluene	ug/L	ND	50	33.0	66	31-148	
2-Hexanone	ug/L	ND	250	132	53	47-151	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

MATRIX SPIKE SAMPLE: 1851998		50177817008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Chlorotoluene	ug/L	ND	50	40.0	80	30-148	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	136	54	48-146	
Acetone	ug/L	ND	250	159	58	31-152	
Acrolein	ug/L	ND	1000	696	70	23-200	
Acrylonitrile	ug/L	ND	200	131	65	42-143	
Benzene	ug/L	ND	50	38.7	77	57-136	
Bromobenzene	ug/L	ND	50	33.2	66	45-138	
Bromochloromethane	ug/L	ND	50	31.8	64	50-145	
Bromodichloromethane	ug/L	ND	50	36.5	73	49-142	
Bromoform	ug/L	ND	50	39.5	79	39-131	
Bromomethane	ug/L	ND	50	28.3	57	10-162	
Carbon disulfide	ug/L	ND	50	39.1	78	34-142	
Carbon tetrachloride	ug/L	ND	50	47.7	95	47-150	
Chlorobenzene	ug/L	ND	50	40.4	81	42-138	
Chloroethane	ug/L	ND	50	41.2	82	34-148	
Chloroform	ug/L	ND	50	39.8	80	54-136	
Chloromethane	ug/L	ND	50	28.2	56	27-138	
cis-1,2-Dichloroethene	ug/L	ND	50	46.2	87	48-147	
cis-1,3-Dichloropropene	ug/L	ND	50	34.7	69	40-142	
Dibromochloromethane	ug/L	ND	50	42.6	85	46-143	
Dibromomethane	ug/L	ND	50	41.5	83	53-140	
Dichlorodifluoromethane	ug/L	ND	50	51.6	103	23-169	
Ethyl methacrylate	ug/L	ND	200	134	67	54-149	
Ethylbenzene	ug/L	ND	50	42.7	85	40-147	
Hexachloro-1,3-butadiene	ug/L	ND	50	47.3	86	19-156	
Iodomethane	ug/L	ND	100	49.4	49	13-136	
Isopropylbenzene (Cumene)	ug/L	ND	50	40.9	82	37-151	
Methyl-tert-butyl ether	ug/L	ND	50	34.8	70	46-147	
Methylene Chloride	ug/L	ND	50	36.2	72	40-138	
n-Butylbenzene	ug/L	ND	50	35.1	68	21-155	
n-Hexane	ug/L	ND	50	36.8	74	50-137	
n-Propylbenzene	ug/L	ND	50	33.8	68	29-158	
Naphthalene	ug/L	ND	50	35.5	71	43-139	
p-Isopropyltoluene	ug/L	ND	50	38.3	75	25-156	
sec-Butylbenzene	ug/L	ND	50	38.1	75	27-159	
Styrene	ug/L	ND	50	39.9	80	34-149	
tert-Butylbenzene	ug/L	ND	50	31.3	63	25-128	
Tetrachloroethene	ug/L	ND	50	43.9	88	37-144	
Toluene	ug/L	ND	50	37.9	76	46-137	
trans-1,2-Dichloroethene	ug/L	ND	50	48.0	94	51-145	
trans-1,3-Dichloropropene	ug/L	ND	50	33.2	66	41-143	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	108	54	10-145	
Trichloroethene	ug/L	40.8	50	81.4	81	45-139	
Trichlorofluoromethane	ug/L	ND	50	51.2	102	42-164	
Vinyl acetate	ug/L	ND	200	106	53	10-149	
Vinyl chloride	ug/L	ND	50	40.3	81	43-154	
Xylene (Total)	ug/L	ND	150	121	81	37-146	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

MATRIX SPIKE SAMPLE: 1851998		50177817008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Bromofluorobenzene (S)	%.				93	84-113	
Dibromofluoromethane (S)	%.				106	86-116	
Toluene-d8 (S)	%.				90	86-111	

SAMPLE DUPLICATE: 1851997

Parameter	Units	50177817007	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	1.1J		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	5.5	5.4	3	20	
1,1-Dichloroethene	ug/L	ND	1.1J		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	5.3	5.2	2	20	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

SAMPLE DUPLICATE: 1851997

Parameter	Units	50177817007 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	27.1	26.4	3	20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	13.0	12.4	5	20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	4.3J		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	4.0	4.0	1	20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	91	90	1		
Dibromofluoromethane (S)	%.	103	105	1		
Toluene-d8 (S)	%.	93	93	0		

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

QC Batch: 402547 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 50177817006, 50177817009

METHOD BLANK: 1852738 Matrix: Water

Associated Lab Samples: 50177817006, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/22/17 23:02	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/22/17 23:02	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/22/17 23:02	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/22/17 23:02	
1,1-Dichloroethane	ug/L	ND	5.0	08/22/17 23:02	
1,1-Dichloroethene	ug/L	ND	5.0	08/22/17 23:02	
1,1-Dichloropropene	ug/L	ND	5.0	08/22/17 23:02	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/22/17 23:02	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/22/17 23:02	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/22/17 23:02	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/22/17 23:02	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/22/17 23:02	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/22/17 23:02	
1,2-Dichloroethane	ug/L	ND	5.0	08/22/17 23:02	
1,2-Dichloropropane	ug/L	ND	5.0	08/22/17 23:02	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/22/17 23:02	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/22/17 23:02	
1,3-Dichloropropane	ug/L	ND	5.0	08/22/17 23:02	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/22/17 23:02	
2,2-Dichloropropane	ug/L	ND	5.0	08/22/17 23:02	
2-Butanone (MEK)	ug/L	ND	25.0	08/22/17 23:02	
2-Chlorotoluene	ug/L	ND	5.0	08/22/17 23:02	
2-Hexanone	ug/L	ND	25.0	08/22/17 23:02	
4-Chlorotoluene	ug/L	ND	5.0	08/22/17 23:02	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/22/17 23:02	
Acetone	ug/L	ND	100	08/22/17 23:02	
Acrolein	ug/L	ND	50.0	08/22/17 23:02	
Acrylonitrile	ug/L	ND	100	08/22/17 23:02	
Benzene	ug/L	ND	5.0	08/22/17 23:02	
Bromobenzene	ug/L	ND	5.0	08/22/17 23:02	
Bromochloromethane	ug/L	ND	5.0	08/22/17 23:02	
Bromodichloromethane	ug/L	ND	5.0	08/22/17 23:02	
Bromoform	ug/L	ND	5.0	08/22/17 23:02	
Bromomethane	ug/L	ND	5.0	08/22/17 23:02	
Carbon disulfide	ug/L	ND	10.0	08/22/17 23:02	
Carbon tetrachloride	ug/L	ND	5.0	08/22/17 23:02	
Chlorobenzene	ug/L	ND	5.0	08/22/17 23:02	
Chloroethane	ug/L	ND	5.0	08/22/17 23:02	
Chloroform	ug/L	ND	5.0	08/22/17 23:02	
Chloromethane	ug/L	ND	5.0	08/22/17 23:02	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/22/17 23:02	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

METHOD BLANK: 1852738 Matrix: Water  
Associated Lab Samples: 50177817006, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/22/17 23:02	
Dibromochloromethane	ug/L	ND	5.0	08/22/17 23:02	
Dibromomethane	ug/L	ND	5.0	08/22/17 23:02	
Dichlorodifluoromethane	ug/L	ND	5.0	08/22/17 23:02	
Ethyl methacrylate	ug/L	ND	100	08/22/17 23:02	
Ethylbenzene	ug/L	ND	5.0	08/22/17 23:02	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/22/17 23:02	
Iodomethane	ug/L	ND	10.0	08/22/17 23:02	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/22/17 23:02	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/22/17 23:02	
Methylene Chloride	ug/L	ND	5.0	08/22/17 23:02	
n-Butylbenzene	ug/L	ND	5.0	08/22/17 23:02	
n-Hexane	ug/L	ND	5.0	08/22/17 23:02	
n-Propylbenzene	ug/L	ND	5.0	08/22/17 23:02	
Naphthalene	ug/L	ND	5.0	08/22/17 23:02	
p-Isopropyltoluene	ug/L	ND	5.0	08/22/17 23:02	
sec-Butylbenzene	ug/L	ND	5.0	08/22/17 23:02	
Styrene	ug/L	ND	5.0	08/22/17 23:02	
tert-Butylbenzene	ug/L	ND	5.0	08/22/17 23:02	
Tetrachloroethene	ug/L	ND	5.0	08/22/17 23:02	
Toluene	ug/L	ND	5.0	08/22/17 23:02	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/22/17 23:02	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/22/17 23:02	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/22/17 23:02	
Trichloroethene	ug/L	ND	5.0	08/22/17 23:02	
Trichlorofluoromethane	ug/L	ND	5.0	08/22/17 23:02	
Vinyl acetate	ug/L	ND	50.0	08/22/17 23:02	
Vinyl chloride	ug/L	ND	2.0	08/22/17 23:02	
Xylene (Total)	ug/L	ND	10.0	08/22/17 23:02	
4-Bromofluorobenzene (S)	%	89	84-113	08/22/17 23:02	
Dibromofluoromethane (S)	%	104	86-116	08/22/17 23:02	
Toluene-d8 (S)	%	92	86-111	08/22/17 23:02	

LABORATORY CONTROL SAMPLE: 1852739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.4	117	80-123	
1,1,1-Trichloroethane	ug/L	50	56.3	113	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	41.1	82	74-124	
1,1,2-Trichloroethane	ug/L	50	50.7	101	79-121	
1,1-Dichloroethane	ug/L	50	45.2	90	77-122	
1,1-Dichloroethene	ug/L	50	58.3	117	70-131	
1,1-Dichloropropene	ug/L	50	52.4	105	79-124	
1,2,3-Trichlorobenzene	ug/L	50	64.2	128	70-129	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1852739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	47.6	95	79-128	
1,2,4-Trichlorobenzene	ug/L	50	61.0	122	69-129	
1,2,4-Trimethylbenzene	ug/L	50	49.5	99	76-125	
1,2-Dibromoethane (EDB)	ug/L	50	56.9	114	81-123	
1,2-Dichlorobenzene	ug/L	50	58.7	117	77-118	
1,2-Dichloroethane	ug/L	50	45.3	91	72-119	
1,2-Dichloropropane	ug/L	50	49.0	98	78-125	
1,3,5-Trimethylbenzene	ug/L	50	49.0	98	79-123	
1,3-Dichlorobenzene	ug/L	50	59.1	118	74-120	
1,3-Dichloropropane	ug/L	50	47.2	94	80-127	
1,4-Dichlorobenzene	ug/L	50	55.4	111	72-118	
2,2-Dichloropropane	ug/L	50	53.6	107	41-145	
2-Butanone (MEK)	ug/L	250	239	96	61-150	
2-Chlorotoluene	ug/L	50	44.7	89	77-119	
2-Hexanone	ug/L	250	182	73	67-141	
4-Chlorotoluene	ug/L	50	58.5	117	75-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	178	71	71-131	
Acetone	ug/L	250	267	107	39-166	
Acrolein	ug/L	1000	1190	119	22-200	
Acrylonitrile	ug/L	200	185	92	62-130	
Benzene	ug/L	50	51.5	103	79-120	
Bromobenzene	ug/L	50	44.8	90	76-121	
Bromochloromethane	ug/L	50	41.3	83	69-136	
Bromodichloromethane	ug/L	50	54.9	110	76-125	
Bromoform	ug/L	50	59.2	118	69-119	
Bromomethane	ug/L	50	50.2	100	27-161	
Carbon disulfide	ug/L	50	47.8	96	60-130	
Carbon tetrachloride	ug/L	50	62.2	124	74-132	
Chlorobenzene	ug/L	50	54.9	110	77-116	
Chloroethane	ug/L	50	49.4	99	51-132	
Chloroform	ug/L	50	54.1	108	76-118	
Chloromethane	ug/L	50	37.1	74	46-126	
cis-1,2-Dichloroethene	ug/L	50	58.6	117	74-126	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	78-125	
Dibromochloromethane	ug/L	50	59.2	118	80-123	
Dibromomethane	ug/L	50	56.7	113	75-124	
Dichlorodifluoromethane	ug/L	50	58.1	116	42-152	
Ethyl methacrylate	ug/L	200	183	92	75-136	
Ethylbenzene	ug/L	50	58.0	116	80-123	
Hexachloro-1,3-butadiene	ug/L	50	59.3	119	74-127	
Iodomethane	ug/L	100	112	112	43-156	
Isopropylbenzene (Cumene)	ug/L	50	56.7	113	80-122	
Methyl-tert-butyl ether	ug/L	50	49.6	99	63-131	
Methylene Chloride	ug/L	50	48.8	98	62-126	
n-Butylbenzene	ug/L	50	45.1	90	75-123	
n-Hexane	ug/L	50	48.7	97	66-129	
n-Propylbenzene	ug/L	50	47.7	95	79-128	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1852739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	53.0	106	66-130	
p-Isopropyltoluene	ug/L	50	51.4	103	79-124	
sec-Butylbenzene	ug/L	50	50.9	102	80-126	
Styrene	ug/L	50	54.6	109	81-125	
tert-Butylbenzene	ug/L	50	44.5	89	62-106	
Tetrachloroethene	ug/L	50	50.5	101	74-119	
Toluene	ug/L	50	49.0	98	77-117	
trans-1,2-Dichloroethene	ug/L	50	58.4	117	74-128	
trans-1,3-Dichloropropene	ug/L	50	46.6	93	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	168	84	42-134	
Trichloroethene	ug/L	50	59.1	118	75-119	
Trichlorofluoromethane	ug/L	50	60.8	122	57-152	
Vinyl acetate	ug/L	200	177	89	71-148	
Vinyl chloride	ug/L	50	46.2	92	62-137	
Xylene (Total)	ug/L	150	164	109	79-121	
4-Bromofluorobenzene (S)	%			92	84-113	
Dibromofluoromethane (S)	%			107	86-116	
Toluene-d8 (S)	%			88	86-111	

MATRIX SPIKE SAMPLE: 1852741

Parameter	Units	50178182008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	38.9	78	48-143	
1,1,1-Trichloroethane	ug/L	ND	50	41.5	80	52-142	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	26.3	53	48-143	
1,1,2-Trichloroethane	ug/L	ND	50	33.9	68	51-139	
1,1-Dichloroethane	ug/L	ND	50	31.8	64	53-139	
1,1-Dichloroethene	ug/L	ND	50	41.0	82	50-149	
1,1-Dichloropropene	ug/L	ND	50	37.4	75	52-145	
1,2,3-Trichlorobenzene	ug/L	ND	50	39.9	79	30-144	
1,2,3-Trichloropropane	ug/L	ND	50	30.2	60	49-149	
1,2,4-Trichlorobenzene	ug/L	ND	50	38.4	76	24-146	
1,2,4-Trimethylbenzene	ug/L	ND	50	33.5	67	33-150	
1,2-Dibromoethane (EDB)	ug/L	ND	50	37.0	74	54-141	
1,2-Dichlorobenzene	ug/L	ND	50	38.8	78	33-142	
1,2-Dichloroethane	ug/L	ND	50	31.2	62	47-138	
1,2-Dichloropropane	ug/L	ND	50	33.3	67	55-142	
1,3,5-Trimethylbenzene	ug/L	ND	50	33.1	66	31-150	
1,3-Dichlorobenzene	ug/L	ND	50	38.8	78	27-145	
1,3-Dichloropropane	ug/L	ND	50	31.6	63	55-145	
1,4-Dichlorobenzene	ug/L	ND	50	37.9	76	27-140	
2,2-Dichloropropane	ug/L	ND	50	32.2	64	23-144	
2-Butanone (MEK)	ug/L	ND	250	143	57	39-159	
2-Chlorotoluene	ug/L	ND	50	29.7	59	31-148	
2-Hexanone	ug/L	ND	250	112	45	47-151 M1	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

MATRIX SPIKE SAMPLE: 1852741		50178182008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Chlorotoluene	ug/L	ND	50	39.3	79	30-148	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	113	45	48-146	M1
Acetone	ug/L	ND	250	136	54	31-152	
Acrolein	ug/L	ND	1000	548	55	23-200	
Acrylonitrile	ug/L	ND	200	114	57	42-143	
Benzene	ug/L	ND	50	36.1	72	57-136	
Bromobenzene	ug/L	ND	50	30.5	61	45-138	
Bromochloromethane	ug/L	ND	50	29.2	58	50-145	
Bromodichloromethane	ug/L	ND	50	35.8	72	49-142	
Bromoform	ug/L	ND	50	32.6	65	39-131	
Bromomethane	ug/L	ND	50	32.0	64	10-162	
Carbon disulfide	ug/L	ND	50	34.2	68	34-142	
Carbon tetrachloride	ug/L	ND	50	43.4	87	47-150	
Chlorobenzene	ug/L	ND	50	38.3	77	42-138	
Chloroethane	ug/L	ND	50	37.2	74	34-148	
Chloroform	ug/L	ND	50	37.3	74	54-136	
Chloromethane	ug/L	ND	50	28.6	57	27-138	
cis-1,2-Dichloroethene	ug/L	ND	50	41.0	82	48-147	
cis-1,3-Dichloropropene	ug/L	ND	50	30.2	60	40-142	
Dibromochloromethane	ug/L	ND	50	36.8	74	46-143	
Dibromomethane	ug/L	ND	50	36.7	73	53-140	
Dichlorodifluoromethane	ug/L	ND	50	47.1	94	23-169	
Ethyl methacrylate	ug/L	ND	200	118	59	54-149	
Ethylbenzene	ug/L	ND	50	40.6	81	40-147	
Hexachloro-1,3-butadiene	ug/L	ND	50	38.9	74	19-156	
Iodomethane	ug/L	ND	100	79.7	80	13-136	
Isopropylbenzene (Cumene)	ug/L	ND	50	39.2	78	37-151	
Methyl-tert-butyl ether	ug/L	ND	50	31.5	63	46-147	
Methylene Chloride	ug/L	ND	50	32.3	65	40-138	
n-Butylbenzene	ug/L	ND	50	30.6	60	21-155	
n-Hexane	ug/L	ND	50	36.2	72	50-137	
n-Propylbenzene	ug/L	ND	50	31.9	64	29-158	
Naphthalene	ug/L	ND	50	32.0	64	43-139	
p-Isopropyltoluene	ug/L	ND	50	34.7	69	25-156	
sec-Butylbenzene	ug/L	ND	50	35.3	71	27-159	
Styrene	ug/L	ND	50	37.1	74	34-149	
tert-Butylbenzene	ug/L	ND	50	30.2	60	25-128	
Tetrachloroethene	ug/L	ND	50	37.7	71	37-144	
Toluene	ug/L	ND	50	34.1	68	46-137	
trans-1,2-Dichloroethene	ug/L	ND	50	41.7	83	51-145	
trans-1,3-Dichloropropene	ug/L	ND	50	30.1	60	41-143	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	87J	44	10-145	
Trichloroethene	ug/L	60.0	50	102	83	45-139	
Trichlorofluoromethane	ug/L	ND	50	46.1	92	42-164	
Vinyl acetate	ug/L	ND	200	96.9	48	10-149	
Vinyl chloride	ug/L	ND	50	36.4	73	43-154	
Xylene (Total)	ug/L	ND	150	115	76	37-146	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

MATRIX SPIKE SAMPLE: 1852741		50178182008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Bromofluorobenzene (S)	%.				95	84-113	
Dibromofluoromethane (S)	%.				107	86-116	
Toluene-d8 (S)	%.				90	86-111	

SAMPLE DUPLICATE: 1852740

Parameter	Units	50178182007	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

SAMPLE DUPLICATE: 1852740

Parameter	Units	50178182007 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	.25J		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	5.3	5.6	5	20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	5.3		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	.92J		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	.26J		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	1.3J		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	2.7	2.7	1	20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	89	89	1		
Dibromofluoromethane (S)	%.	102	101	0		
Toluene-d8 (S)	%.	92	91	0		

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

QC Batch: 401785 Analysis Method: EPA 8270 by SIM LVE  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV  
Associated Lab Samples: 50177817002

METHOD BLANK: 1849264 Matrix: Water  
Associated Lab Samples: 50177817002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	08/18/17 15:16	N2
2-Methylnaphthalene	ug/L	ND	1.0	08/18/17 15:16	
Acenaphthene	ug/L	ND	1.0	08/18/17 15:16	
Acenaphthylene	ug/L	ND	1.0	08/18/17 15:16	
Anthracene	ug/L	ND	0.10	08/18/17 15:16	
Benzo(a)anthracene	ug/L	ND	0.10	08/18/17 15:16	
Benzo(a)pyrene	ug/L	ND	0.10	08/18/17 15:16	
Benzo(b)fluoranthene	ug/L	ND	0.10	08/18/17 15:16	
Benzo(g,h,i)perylene	ug/L	ND	0.10	08/18/17 15:16	
Benzo(k)fluoranthene	ug/L	ND	0.10	08/18/17 15:16	
Chrysene	ug/L	ND	0.50	08/18/17 15:16	
Dibenz(a,h)anthracene	ug/L	ND	0.10	08/18/17 15:16	
Fluoranthene	ug/L	ND	1.0	08/18/17 15:16	
Fluorene	ug/L	ND	1.0	08/18/17 15:16	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	08/18/17 15:16	
Naphthalene	ug/L	ND	1.0	08/18/17 15:16	
Phenanthrene	ug/L	ND	1.0	08/18/17 15:16	
Pyrene	ug/L	ND	1.0	08/18/17 15:16	
2-Fluorobiphenyl (S)	%	63	15-87	08/18/17 15:16	
p-Terphenyl-d14 (S)	%	108	10-116	08/18/17 15:16	

LABORATORY CONTROL SAMPLE: 1849265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	6.2	62	26-112	N2
2-Methylnaphthalene	ug/L	10	5.3	53	24-106	
Acenaphthene	ug/L	10	7.0	70	34-119	
Acenaphthylene	ug/L	10	7.1	71	37-122	
Anthracene	ug/L	10	9.7	97	44-134	
Benzo(a)anthracene	ug/L	10	10.1	101	43-141	
Benzo(a)pyrene	ug/L	10	10.7	107	38-153	
Benzo(b)fluoranthene	ug/L	10	10.5	105	38-160	
Benzo(g,h,i)perylene	ug/L	10	9.6	96	29-149	
Benzo(k)fluoranthene	ug/L	10	10.4	104	35-153	
Chrysene	ug/L	10	10.7	107	42-141	
Dibenz(a,h)anthracene	ug/L	10	9.2	92	24-156	
Fluoranthene	ug/L	10	9.8	98	45-144	
Fluorene	ug/L	10	7.7	77	41-134	
Indeno(1,2,3-cd)pyrene	ug/L	10	9.4	94	28-153	
Naphthalene	ug/L	10	6.1	61	25-101	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1849265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	8.9	89	43-132	
Pyrene	ug/L	10	11.3	113	43-136	
2-Fluorobiphenyl (S)	%.			55	15-87	
p-Terphenyl-d14 (S)	%.			86	10-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1849266 1849267

Parameter	Units	50177811001		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/L	ND	10	10	4.7	5.0	47	50	18-118	7	20	N2	
2-Methylnaphthalene	ug/L	ND	10	10	4.2	4.6	42	46	11-120	9	20		
Acenaphthene	ug/L	ND	10	10	4.9	5.3	49	53	25-117	8	20		
Acenaphthylene	ug/L	ND	10	10	5.1	5.4	51	54	28-120	7	20		
Anthracene	ug/L	ND	10	10	7.1	7.4	71	74	25-135	4	20		
Benzo(a)anthracene	ug/L	ND	10	10	6.6	6.6	66	66	11-122	0	20		
Benzo(a)pyrene	ug/L	ND	10	10	6.7	6.6	67	66	10-109	2	20		
Benzo(b)fluoranthene	ug/L	ND	10	10	6.3	6.3	63	63	10-118	0	20		
Benzo(g,h,i)perylene	ug/L	ND	10	10	6.2	6.0	62	60	10-90	3	20		
Benzo(k)fluoranthene	ug/L	ND	10	10	6.4	6.5	64	65	10-111	1	20		
Chrysene	ug/L	ND	10	10	6.6	6.8	66	68	10-123	2	20		
Dibenz(a,h)anthracene	ug/L	ND	10	10	6.0	6.0	60	60	10-95	1	20		
Fluoranthene	ug/L	ND	10	10	6.6	6.8	66	68	28-135	2	20		
Fluorene	ug/L	ND	10	10	5.4	5.8	54	58	28-131	7	20		
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	6.0	6.0	60	60	10-94	0	20		
Naphthalene	ug/L	ND	10	10	5.0	5.3	50	53	13-117	7	20		
Phenanthrene	ug/L	ND	10	10	6.4	6.4	64	64	28-130	0	20		
Pyrene	ug/L	ND	10	10	7.3	7.6	73	76	24-131	4	20		
2-Fluorobiphenyl (S)	%.						40	49	15-87				
p-Terphenyl-d14 (S)	%.						57	67	10-116				

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB  
Pace Project No.: 50177817

QC Batch: 401786 Analysis Method: EPA 8270 by SIM LVE  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV  
Associated Lab Samples: 50177817001, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

METHOD BLANK: 1849268 Matrix: Water  
Associated Lab Samples: 50177817001, 50177817003, 50177817004, 50177817005, 50177817006, 50177817007, 50177817008, 50177817009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	08/18/17 20:25	N2
2-Methylnaphthalene	ug/L	ND	1.0	08/18/17 20:25	
Acenaphthene	ug/L	ND	1.0	08/18/17 20:25	
Acenaphthylene	ug/L	ND	1.0	08/18/17 20:25	
Anthracene	ug/L	ND	0.10	08/18/17 20:25	
Benzo(a)anthracene	ug/L	ND	0.10	08/18/17 20:25	
Benzo(a)pyrene	ug/L	ND	0.10	08/18/17 20:25	
Benzo(b)fluoranthene	ug/L	ND	0.10	08/18/17 20:25	
Benzo(g,h,i)perylene	ug/L	ND	0.10	08/18/17 20:25	
Benzo(k)fluoranthene	ug/L	ND	0.10	08/18/17 20:25	
Chrysene	ug/L	ND	0.50	08/18/17 20:25	
Dibenz(a,h)anthracene	ug/L	ND	0.10	08/18/17 20:25	
Fluoranthene	ug/L	ND	1.0	08/18/17 20:25	
Fluorene	ug/L	ND	1.0	08/18/17 20:25	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	08/18/17 20:25	
Naphthalene	ug/L	ND	1.0	08/18/17 20:25	
Phenanthrene	ug/L	ND	1.0	08/18/17 20:25	
Pyrene	ug/L	ND	1.0	08/18/17 20:25	
2-Fluorobiphenyl (S)	%	44	15-87	08/18/17 20:25	
p-Terphenyl-d14 (S)	%	96	10-116	08/18/17 20:25	

LABORATORY CONTROL SAMPLE: 1849269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	5.4	54	26-112	N2
2-Methylnaphthalene	ug/L	10	4.5	45	24-106	
Acenaphthene	ug/L	10	6.8	68	34-119	
Acenaphthylene	ug/L	10	7.4	74	37-122	
Anthracene	ug/L	10	10.2	102	44-134	
Benzo(a)anthracene	ug/L	10	11.5	115	43-141	
Benzo(a)pyrene	ug/L	10	12.7	127	38-153	
Benzo(b)fluoranthene	ug/L	10	11.6	116	38-160	
Benzo(g,h,i)perylene	ug/L	10	11.4	114	29-149	
Benzo(k)fluoranthene	ug/L	10	11.7	117	35-153	
Chrysene	ug/L	10	11.4	114	42-141	
Dibenz(a,h)anthracene	ug/L	10	11.5	115	24-156	
Fluoranthene	ug/L	10	10.9	109	45-144	
Fluorene	ug/L	10	8.0	80	41-134	

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### QUALITY CONTROL DATA

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

LABORATORY CONTROL SAMPLE: 1849269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	10	11.9	119	28-153	
Naphthalene	ug/L	10	5.2	52	25-101	
Phenanthrene	ug/L	10	9.5	95	43-132	
Pyrene	ug/L	10	12.1	121	43-136	
2-Fluorobiphenyl (S)	%			41	15-87	
p-Terphenyl-d14 (S)	%			81	10-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1849270 1849271

Parameter	Units	50177817001		1849270		1849271		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1-Methylnaphthalene	ug/L	ND	10	10	5.9	5.6	59	56	18-118	5	20	N2		
2-Methylnaphthalene	ug/L	ND	10	10	5.1	4.9	51	49	11-120	4	20			
Acenaphthene	ug/L	ND	10	10	6.8	6.4	68	64	25-117	6	20			
Acenaphthylene	ug/L	ND	10	10	7.1	6.8	71	68	28-120	5	20			
Anthracene	ug/L	ND	10	10	9.9	9.6	99	96	25-135	3	20			
Benzo(a)anthracene	ug/L	ND	10	10	8.8	8.8	88	88	11-122	0	20			
Benzo(a)pyrene	ug/L	ND	10	10	8.7	8.3	87	83	10-109	4	20			
Benzo(b)fluoranthene	ug/L	ND	10	10	8.2	7.9	82	79	10-118	3	20			
Benzo(g,h,i)perylene	ug/L	ND	10	10	8.1	7.7	81	77	10-90	6	20			
Benzo(k)fluoranthene	ug/L	ND	10	10	8.3	8.2	83	82	10-111	1	20			
Chrysene	ug/L	ND	10	10	8.8	9.2	88	92	10-123	5	20			
Dibenz(a,h)anthracene	ug/L	ND	10	10	8.2	7.7	82	77	10-95	6	20			
Fluoranthene	ug/L	ND	10	10	9.2	9.3	92	93	28-135	1	20			
Fluorene	ug/L	ND	10	10	7.5	7.2	75	72	28-131	4	20			
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	8.2	7.7	82	77	10-94	6	20			
Naphthalene	ug/L	ND	10	10	5.9	5.7	59	57	13-117	3	20			
Phenanthrene	ug/L	ND	10	10	9.0	8.8	90	88	28-130	3	20			
Pyrene	ug/L	ND	10	10	11.0	11.0	110	110	24-131	0	20			
2-Fluorobiphenyl (S)	%						42	43	15-87					
p-Terphenyl-d14 (S)	%						69	75	10-116					

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

### ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N2 The lab does not hold NELAC/TNI accreditation for this parameter.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177817001	RB-GW-SB-12	EPA 3010	401989	EPA 6010	402353
50177817002	RB-GW-SB-13	EPA 3010	401989	EPA 6010	402353
50177817003	RB-GW-SB-14	EPA 3010	401989	EPA 6010	402353
50177817004	RB-GW-SB-FD-4	EPA 3010	401989	EPA 6010	402353
50177817005	RB-GW-SB-16	EPA 3010	401989	EPA 6010	402353
50177817006	RB-GW-SB-17	EPA 3010	401989	EPA 6010	402353
50177817007	RB-GW-SB-18	EPA 3010	401989	EPA 6010	402353
50177817008	RB-GW-SB-19	EPA 3010	401989	EPA 6010	402353
50177817009	RB-GW-SB-20	EPA 3010	401989	EPA 6010	402353
50177817001	RB-GW-SB-12	EPA 3010	402150	EPA 6010	402344
50177817002	RB-GW-SB-13	EPA 3010	402150	EPA 6010	402344
50177817003	RB-GW-SB-14	EPA 3010	402150	EPA 6010	402344
50177817004	RB-GW-SB-FD-4	EPA 3010	402150	EPA 6010	402344
50177817005	RB-GW-SB-16	EPA 3010	402150	EPA 6010	402344
50177817006	RB-GW-SB-17	EPA 3010	402150	EPA 6010	402344
50177817007	RB-GW-SB-18	EPA 3010	402150	EPA 6010	402344
50177817008	RB-GW-SB-19	EPA 3010	402150	EPA 6010	402344
50177817009	RB-GW-SB-20	EPA 3010	402150	EPA 6010	402344
50177817001	RB-GW-SB-12	EPA 7470	402136	EPA 7470	402923
50177817002	RB-GW-SB-13	EPA 7470	402136	EPA 7470	402923
50177817003	RB-GW-SB-14	EPA 7470	402136	EPA 7470	402923
50177817004	RB-GW-SB-FD-4	EPA 7470	402136	EPA 7470	402923
50177817005	RB-GW-SB-16	EPA 7470	402136	EPA 7470	402923
50177817006	RB-GW-SB-17	EPA 7470	402136	EPA 7470	402923
50177817007	RB-GW-SB-18	EPA 7470	402136	EPA 7470	402923
50177817008	RB-GW-SB-19	EPA 7470	402136	EPA 7470	402923
50177817009	RB-GW-SB-20	EPA 7470	402136	EPA 7470	402923
50177817001	RB-GW-SB-12	EPA 7470	402231	EPA 7470	402323
50177817002	RB-GW-SB-13	EPA 7470	402231	EPA 7470	402323
50177817003	RB-GW-SB-14	EPA 7470	402231	EPA 7470	402323
50177817004	RB-GW-SB-FD-4	EPA 7470	402231	EPA 7470	402323
50177817005	RB-GW-SB-16	EPA 7470	402231	EPA 7470	402323
50177817006	RB-GW-SB-17	EPA 7470	402231	EPA 7470	402323
50177817007	RB-GW-SB-18	EPA 7470	402231	EPA 7470	402323
50177817008	RB-GW-SB-19	EPA 7470	402231	EPA 7470	402323
50177817009	RB-GW-SB-20	EPA 7470	402231	EPA 7470	402323
50177817001	RB-GW-SB-12	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817002	RB-GW-SB-13	EPA 3510	401785	EPA 8270 by SIM LVE	401979
50177817003	RB-GW-SB-14	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817004	RB-GW-SB-FD-4	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817005	RB-GW-SB-16	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817006	RB-GW-SB-17	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817007	RB-GW-SB-18	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817008	RB-GW-SB-19	EPA 3510	401786	EPA 8270 by SIM LVE	401980
50177817009	RB-GW-SB-20	EPA 3510	401786	EPA 8270 by SIM LVE	401980

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Electronics-ParcelB

Pace Project No.: 50177817

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177817001	RB-GW-SB-12	EPA 8260	402347		
50177817002	RB-GW-SB-13	EPA 8260	402347		
50177817003	RB-GW-SB-14	EPA 8260	402348		
50177817004	RB-GW-SB-FD-4	EPA 8260	402348		
50177817005	RB-GW-SB-16	EPA 8260	402348		
50177817006	RB-GW-SB-17	EPA 8260	402547		
50177817007	RB-GW-SB-18	EPA 8260	402348		
50177817008	RB-GW-SB-19	EPA 8260	402348		
50177817009	RB-GW-SB-20	EPA 8260	402547		

### REPORT OF LABORATORY ANALYSIS

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**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information:  
 Company: Heartland Environmental  
 Address: 3410 Mishawaka Ave  
South Bend, IN 46615  
 Phone: 574-289-1191 Fax: 574-289-1480  
 Requested Due Date/TAT: \_\_\_\_\_

**Section B** Required Project Information:  
 Report To: Ryan Orzechowicz  
 Copy To: \_\_\_\_\_  
 Purchase Order No.: \_\_\_\_\_  
 Project Name: Fm RCA Parcel B  
 Project Number: 545-17-05:03

**Section C** Invoice Information:  
 Attention: \_\_\_\_\_  
 Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Pace Quote Reference: \_\_\_\_\_  
 Pace Project Manager: \_\_\_\_\_  
 Pace Profile #: \_\_\_\_\_

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER \_\_\_\_\_  
 Site Location: \_\_\_\_\_  
 STATE: IN

Page: 1 of 1  
 2077209

ITEM #	Section D Required Client Information	Matrix Codes MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	Preservatives						Analysis Test ↓	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB				H2SO4	HNO3	HCl	NaOH	Na2O3	Methanol					
1	RB-GW-SB-12	DW	G	8-15-17	1350	73	73	13										-001	
2	RB-GW-SB-12+MS	WT	G		1350	73	73	13										-007	
3	RB-GW-SB-12+MSD	WW	G		1350	73	73	13										-001	
4	RB-GW-SB-13	P	G		1500	73	73	13										-009	
5	RB-GW-SB-14	SL	G		1600	73	73	13										-003	
6	RB-GW-SB-FD-4	OL	G		1605	73	73	13										-006-004	
7	RB-GW-SB-16	WP	G		1740	73	73	13										-005	
8	RB-GW-SB-17	AR	G		1840	73	73	13										-006	
9	RB-GW-SB-18	TS	G	8-16-17	0820	73	73	13										-009-007	
10	RB-GW-SB-A	OT	G	↓	0910	73	73	13										-010-008	
11	RB-GW-SB-20	Other	G	↓	1025	73	73	13										-011-009	

**ADDITIONAL COMMENTS**  
 David Nye/Heartland 8-16-17 10:50  
 Zachary Pac 8/16/17 11:30

**RELINQUISHED BY / AFFILIATION**  
 David Nye/Heartland  
 Zachary Pac

**DATE**  
 8-16-17  
 8/16/17

**TIME**  
 10:50  
 11:30

**ACCEPTED BY / AFFILIATION**  
 David Nye  
 Zachary Pac

**DATE**  
 8/16/17  
 8/16/17

**TIME**  
 10:50  
 11:30

**SAMPLE CONDITIONS**  
 Received on Ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)

Temp in °C  
 See Seal

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: David Nye  
 SIGNATURE of SAMPLER: David Nye

DATE Signed (MM/DD/YY): 8-16-17

ORIGINAL

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month (varying invoices not paid within 30 days).





Sample Condition Upon Receipt

Project # 50177817

Courier: [ ] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [x] Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: [ ] yes [x] no Seals intact: [ ] yes [x] no

Packing Material: [ ] Bubble Wrap [x] Bubble Bags [ ] None [ ] Other \_\_\_\_\_

Thermometer 1 2 3 4 5 6 A B C D E F Type of Ice: [x] Wet [ ] Blue [ ] None [ ] Samples on ice, cooling process has begun

Cooler Temperature 8.4/5.4 Ice Visible in Sample Containers: [ ] yes [x] no (Initial/Corrected) Temp should be above freezing to 6°C

Table with 2 columns: Question/Field and Comments. Rows include: Date/Time and Initials of person examining contents (7/21/17), Are samples from West Virginia? (No), Chain of Custody Present (Yes), Chain of Custody Filled Out (Yes), Short Hold Time Analysis (<72hr) (No), Rush Turn Around Time Requested (No), Containers Intact (Yes), Sample Labels match COC (No), All containers needing acid/base pres. have been checked? (Yes), Residual Chlorine Check (SVOC 625 Pest/PCB 608) (Present), Residual Chlorine Check (Total/Amenable/Free Cyanide) (Present), Headspace in VOA Vials (>6mm) (Yes), Headspace Wisconsin Sulfide (N/A), Trip Blank Present (No).

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: RB-12 3/3, SB-13 3/3, SG-14 3/3, PD-4 3/3, SR-16 3/3, SD-17 3/3

# Sample Container Count

CLIENT: NEPTUNE

BS  
MS  
PS

COC PAGE 1 of 1  
COC ID# 2077209

Project # 50177817



Sample Line Item

Sample Line Item	AG1U	WG1U	AG0U	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3B	BP1U	SP5T	AG2U	Matrix SIMW/NAL (Oil/Water/Non-Aqueous Liquid)	pH <2	pH >9	pH >12
1	3		2																	
2					1												AF			
3						1														
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG1U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc, Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3B	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFU	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

August 29, 2017

Ryan Orzechowicz  
Heartland Environmental  
3410 Mishawaka Avenue  
South Bend, IN 46615

RE: Project: Former RCA Parcel B  
Pace Project No.: 50177969

Dear Ryan Orzechowicz:

Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Mick Mayse  
mick.mayse@pacelabs.com  
(317)228-3100  
Project Manager

Enclosures

cc: Ms. Bonnie Sima, Heartland Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Former RCA Parcel B

Pace Project No.: 50177969

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### Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 003971

Indiana Certification #: C-49-06

Kansas/NELAP Certification #:E-10177

Kentucky UST Certification #: 80226

Kentucky WW Certification #:98019

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2016-075

Texas Certification #: T104704355-16-10

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-16-00257

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50177969001	RB-GW-SB-21	Water	08/16/17 11:35	08/17/17 15:06
50177969002	RB-GW-SB-22	Water	08/16/17 12:35	08/17/17 15:06
50177969003	RB-GW-SB-23	Water	08/16/17 13:30	08/17/17 15:06
50177969004	RB-GW-SB-FD-5	Water	08/16/17 13:35	08/17/17 15:06
50177969005	RB-GW-SB-24	Water	08/16/17 14:45	08/17/17 15:06
50177969006	RB-GW-SB-25	Water	08/16/17 15:35	08/17/17 15:06
50177969007	RB-GW-SB-26	Water	08/16/17 16:30	08/17/17 15:06
50177969008	RB-GW-SB-27	Water	08/16/17 17:35	08/17/17 15:06
50177969009	RB-GW-SB-28	Water	08/16/17 18:30	08/17/17 15:06
50177969010	RB-GW-SB-29	Water	08/16/17 19:20	08/17/17 15:06
50177969011	RB-GW-SB-30	Water	08/17/17 08:35	08/17/17 15:06
50177969012	RB-GW-SB-31	Water	08/17/17 09:40	08/17/17 15:06
50177969013	RB-GW-SB-32	Water	08/17/17 10:40	08/17/17 15:06
50177969014	RB-GW-SB-33	Water	08/17/17 12:00	08/17/17 15:06
50177969015	RB-GW-SB-34	Water	08/17/17 13:15	08/17/17 15:06
50177969016	RB-GW-Trip Blank	Water	08/14/17 08:00	08/17/17 15:06

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177969001	RB-GW-SB-21	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969002	RB-GW-SB-22	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	72	PASI-I
50177969003	RB-GW-SB-23	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969004	RB-GW-SB-FD-5	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969005	RB-GW-SB-24	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969006	RB-GW-SB-25	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969007	RB-GW-SB-26	EPA 6010	MJC	7	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177969008	RB-GW-SB-27	EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
50177969009	RB-GW-SB-28	EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
50177969010	RB-GW-SB-29	EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969011	RB-GW-SB-30	EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
50177969012	RB-GW-SB-31	EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
50177969013	RB-GW-SB-32	EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50177969014	RB-GW-SB-33	EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
50177969015	RB-GW-SB-34	EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
		EPA 6010	MJC	7	PASI-I
		EPA 6010	JPK	7	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 7470	JGJ	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	DAE	73	PASI-I
50177969016	RB-GW-Trip Blank	EPA 8260	DAE	73	PASI-I
		EPA 8260	DAE	73	PASI-I

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### SUMMARY OF DETECTION

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177969001</b>	<b>RB-GW-SB-21</b>					
EPA 6010	Barium	152	ug/L	10.0	08/28/17 12:01	
EPA 6010	Barium, Dissolved	47.4	ug/L	10.0	08/23/17 22:35	
EPA 8260	Acetone	358	ug/L	100	08/25/17 02:42	
EPA 8260	2-Butanone (MEK)	47.5	ug/L	25.0	08/25/17 02:42	
EPA 8260	cis-1,2-Dichloroethene	83.6	ug/L	5.0	08/22/17 10:40	
EPA 8260	trans-1,2-Dichloroethene	43.5	ug/L	5.0	08/22/17 10:40	
EPA 8260	Trichloroethene	13.6	ug/L	5.0	08/22/17 10:40	
EPA 8260	Vinyl chloride	40.9	ug/L	2.0	08/22/17 10:40	
<b>50177969002</b>	<b>RB-GW-SB-22</b>					
EPA 6010	Barium	128	ug/L	10.0	08/28/17 12:03	
EPA 6010	Barium, Dissolved	125	ug/L	10.0	08/23/17 22:55	
EPA 8260	2-Butanone (MEK)	47.0	ug/L	25.0	08/25/17 03:14	
<b>50177969003</b>	<b>RB-GW-SB-23</b>					
EPA 6010	Barium	78.8	ug/L	10.0	08/28/17 12:25	
EPA 6010	Barium, Dissolved	71.6	ug/L	10.0	08/23/17 22:57	
<b>50177969004</b>	<b>RB-GW-SB-FD-5</b>					
EPA 6010	Barium	78.5	ug/L	10.0	08/28/17 12:27	
EPA 6010	Barium, Dissolved	69.7	ug/L	10.0	08/23/17 22:59	
<b>50177969005</b>	<b>RB-GW-SB-24</b>					
EPA 6010	Barium	81.7	ug/L	10.0	08/28/17 12:30	
EPA 6010	Barium, Dissolved	72.5	ug/L	10.0	08/23/17 23:01	
EPA 8260	cis-1,2-Dichloroethene	56.2	ug/L	5.0	08/22/17 12:50	
EPA 8260	trans-1,2-Dichloroethene	36.5	ug/L	5.0	08/22/17 12:50	
EPA 8260	Trichloroethene	207	ug/L	5.0	08/22/17 12:50	
<b>50177969006</b>	<b>RB-GW-SB-25</b>					
EPA 6010	Barium	129	ug/L	10.0	08/28/17 12:32	
EPA 6010	Chromium	20.0	ug/L	10.0	08/28/17 12:32	
EPA 6010	Barium, Dissolved	59.0	ug/L	10.0	08/23/17 23:04	
EPA 8270 by SIM LVE	Benzo(a)anthracene	0.15	ug/L	0.10	08/22/17 17:12	
EPA 8270 by SIM LVE	Benzo(b)fluoranthene	0.15	ug/L	0.10	08/22/17 17:12	
EPA 8270 by SIM LVE	Benzo(k)fluoranthene	0.18	ug/L	0.10	08/22/17 17:12	
EPA 8260	Chloroform	15.8	ug/L	5.0	08/22/17 13:22	
EPA 8260	1,1-Dichloroethane	6.6	ug/L	5.0	08/22/17 13:22	
EPA 8260	cis-1,2-Dichloroethene	92.4	ug/L	5.0	08/22/17 13:22	
EPA 8260	trans-1,2-Dichloroethene	9.8	ug/L	5.0	08/22/17 13:22	
EPA 8260	Trichloroethene	2570	ug/L	125	08/23/17 04:59	
<b>50177969007</b>	<b>RB-GW-SB-26</b>					
EPA 6010	Barium	98.6	ug/L	10.0	08/28/17 12:34	
EPA 6010	Barium, Dissolved	93.7	ug/L	10.0	08/23/17 23:06	
EPA 8260	cis-1,2-Dichloroethene	84.6	ug/L	5.0	08/22/17 13:55	
EPA 8260	trans-1,2-Dichloroethene	35.9	ug/L	5.0	08/22/17 13:55	
EPA 8260	Trichloroethene	42.9	ug/L	5.0	08/22/17 13:55	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177969008</b>	<b>RB-GW-SB-27</b>					
EPA 6010	Arsenic	2050	ug/L	50.0	08/28/17 12:37	P4
EPA 6010	Barium	22400	ug/L	50.0	08/28/17 12:37	
EPA 6010	Cadmium	98.5	ug/L	10.0	08/28/17 12:37	
EPA 6010	Chromium	4890	ug/L	50.0	08/28/17 12:37	
EPA 6010	Lead	13000	ug/L	50.0	08/28/17 12:37	
EPA 6010	Selenium	70.1	ug/L	50.0	08/28/17 12:37	
EPA 6010	Arsenic, Dissolved	13.4	ug/L	10.0	08/23/17 23:08	
EPA 6010	Barium, Dissolved	51.2	ug/L	10.0	08/23/17 23:08	
EPA 7470	Mercury	4.0	ug/L	2.0	08/21/17 19:42	
EPA 8260	Acetone	2080	ug/L	500	08/25/17 05:24	
EPA 8260	2-Butanone (MEK)	192	ug/L	125	08/25/17 05:24	
EPA 8260	Trichloroethene	36.9	ug/L	5.0	08/22/17 14:27	
<b>50177969009</b>	<b>RB-GW-SB-28</b>					
EPA 6010	Barium	72.5	ug/L	10.0	08/28/17 12:39	
EPA 6010	Barium, Dissolved	67.2	ug/L	10.0	08/23/17 23:10	
<b>50177969010</b>	<b>RB-GW-SB-29</b>					
EPA 6010	Barium	87.9	ug/L	10.0	08/28/17 12:41	
EPA 6010	Chromium	10.2	ug/L	10.0	08/28/17 12:41	
EPA 6010	Barium, Dissolved	38.8	ug/L	10.0	08/24/17 00:55	
EPA 8270 by SIM LVE	Benzo(b)fluoranthene	0.11	ug/L	0.10	08/22/17 17:58	
EPA 8270 by SIM LVE	Benzo(k)fluoranthene	0.12	ug/L	0.10	08/22/17 17:58	
<b>50177969011</b>	<b>RB-GW-SB-30</b>					
EPA 6010	Barium	132	ug/L	10.0	08/28/17 12:44	
EPA 6010	Barium, Dissolved	121	ug/L	10.0	08/24/17 00:58	
EPA 8260	cis-1,2-Dichloroethene	276	ug/L	5.0	08/22/17 16:38	
EPA 8260	trans-1,2-Dichloroethene	14.3	ug/L	5.0	08/22/17 16:38	
EPA 8260	Vinyl chloride	100	ug/L	2.0	08/22/17 16:38	
<b>50177969012</b>	<b>RB-GW-SB-31</b>					
EPA 6010	Arsenic	15.9	ug/L	10.0	08/28/17 12:50	
EPA 6010	Barium	489	ug/L	10.0	08/28/17 12:50	
EPA 6010	Arsenic, Dissolved	17.9	ug/L	10.0	08/24/17 01:00	
EPA 6010	Barium, Dissolved	523	ug/L	10.0	08/24/17 01:00	
EPA 8260	Acetone	2550	ug/L	500	08/25/17 04:51	
EPA 8260	2-Butanone (MEK)	207	ug/L	125	08/25/17 04:51	
EPA 8260	1,1-Dichloroethane	9.5	ug/L	5.0	08/22/17 10:56	
EPA 8260	1,1,1-Trichloroethane	5.2	ug/L	5.0	08/22/17 10:56	
EPA 8260	Trichloroethene	15.4	ug/L	5.0	08/22/17 10:56	
<b>50177969013</b>	<b>RB-GW-SB-32</b>					
EPA 6010	Barium	696	ug/L	10.0	08/28/17 12:52	
EPA 6010	Barium, Dissolved	736	ug/L	10.0	08/24/17 01:02	
EPA 8260	Acetone	829	ug/L	100	08/25/17 03:47	
EPA 8260	2-Butanone (MEK)	81.8	ug/L	25.0	08/25/17 03:47	
EPA 8260	1,1-Dichloroethane	8.3	ug/L	5.0	08/22/17 11:29	
EPA 8260	1,1,1-Trichloroethane	7.4	ug/L	5.0	08/22/17 11:29	

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### SUMMARY OF DETECTION

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>50177969013</b>	<b>RB-GW-SB-32</b>					
EPA 8260	Trichloroethene	11.1	ug/L	5.0	08/22/17 11:29	
<b>50177969014</b>	<b>RB-GW-SB-33</b>					
EPA 6010	Arsenic	13.5	ug/L	10.0	08/28/17 12:55	
EPA 6010	Barium	62.5	ug/L	10.0	08/28/17 12:55	
EPA 6010	Lead	20.2	ug/L	10.0	08/28/17 12:55	
EPA 6010	Arsenic, Dissolved	10.6	ug/L	10.0	08/24/17 01:05	
EPA 6010	Barium, Dissolved	20.0	ug/L	10.0	08/24/17 01:05	
EPA 8260	Acetone	603	ug/L	100	08/25/17 04:19	
EPA 8260	2-Butanone (MEK)	60.7	ug/L	25.0	08/25/17 04:19	
<b>50177969015</b>	<b>RB-GW-SB-34</b>					
EPA 6010	Barium	69.4	ug/L	10.0	08/28/17 12:57	
EPA 6010	Barium, Dissolved	70.2	ug/L	10.0	08/24/17 01:07	
EPA 8270 by SIM LVE	Benzo(a)anthracene	0.18	ug/L	0.10	08/21/17 20:53	
EPA 8270 by SIM LVE	Benzo(a)pyrene	0.11	ug/L	0.10	08/21/17 20:53	
EPA 8270 by SIM LVE	Benzo(b)fluoranthene	0.20	ug/L	0.10	08/21/17 20:53	
EPA 8270 by SIM LVE	Benzo(g,h,i)perylene	0.19	ug/L	0.10	08/21/17 20:53	
EPA 8270 by SIM LVE	Benzo(k)fluoranthene	0.24	ug/L	0.10	08/21/17 20:53	
EPA 8270 by SIM LVE	Dibenz(a,h)anthracene	0.19	ug/L	0.10	08/21/17 20:53	
EPA 8270 by SIM LVE	Indeno(1,2,3-cd)pyrene	0.20	ug/L	0.10	08/21/17 20:53	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-21	Lab ID: 50177969001	Collected: 08/16/17 11:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:01	7440-38-2	
Barium	152	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:01	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:01	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:01	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:01	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:01	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:01	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:35	7440-38-2	
Barium, Dissolved	47.4	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:35	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 22:35	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:35	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:35	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:35	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:35	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:20	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 18:36	7439-97-6	
<b>8270 MSSV PAHLV</b> Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 16:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:15	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:15	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	44	%	15-87	1	08/18/17 13:45	08/22/17 16:15	321-60-8	
p-Terphenyl-d14 (S)	82	%	10-116	1	08/18/17 13:45	08/22/17 16:15	1718-51-0	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-21	Lab ID: 50177969001	Collected: 08/16/17 11:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	358	ug/L	100	1		08/25/17 02:42	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 10:40	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 10:40	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 10:40	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 10:40	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 10:40	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 10:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 10:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/25/17 02:42	74-83-9	
2-Butanone (MEK)	47.5	ug/L	25.0	1		08/25/17 02:42	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 10:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 10:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 10:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 10:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 10:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 10:40	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 10:40	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 10:40	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 10:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 10:40	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 10:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 10:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 10:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 10:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 10:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 10:40	75-35-4	
cis-1,2-Dichloroethene	83.6	ug/L	5.0	1		08/22/17 10:40	156-59-2	
trans-1,2-Dichloroethene	43.5	ug/L	5.0	1		08/22/17 10:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 10:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 10:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 10:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 10:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 10:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 10:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 10:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 10:40	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 10:40	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 10:40	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 10:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 10:40	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-21		Lab ID: 50177969001	Collected: 08/16/17 11:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 10:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 10:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 10:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 10:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 10:40	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 10:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 10:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 10:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 10:40	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 10:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 10:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 10:40	79-00-5	
Trichloroethene	<b>13.6</b>	ug/L	5.0	1		08/22/17 10:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 10:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 10:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 10:40	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 10:40	108-05-4	
Vinyl chloride	<b>40.9</b>	ug/L	2.0	1		08/22/17 10:40	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 10:40	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104	%.	86-116	1		08/22/17 10:40	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	84-113	1		08/22/17 10:40	460-00-4	
Toluene-d8 (S)	92	%.	86-111	1		08/22/17 10:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-22		Lab ID: 50177969002		Collected: 08/16/17 12:35		Received: 08/17/17 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:03	7440-38-2		
Barium	<b>128</b>	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:03	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:03	7440-43-9		
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:03	7440-47-3		
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:03	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:03	7782-49-2		
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:03	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:55	7440-38-2		
Barium, Dissolved	<b>125</b>	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:55	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 22:55	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:55	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:55	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:55	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:55	7440-22-4		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:23	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 18:43	7439-97-6		
<b>8270 MSSV PAHLV</b>									
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	208-96-8		
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	207-08-9		
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 16:27	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	206-44-0		
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:27	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	91-57-6		
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	85-01-8		
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:27	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	39	%	15-87	1	08/18/17 13:45	08/22/17 16:27	321-60-8		
p-Terphenyl-d14 (S)	84	%	10-116	1	08/18/17 13:45	08/22/17 16:27	1718-51-0		

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-22	Lab ID: 50177969002	Collected: 08/16/17 12:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acrolein	ND	ug/L	50.0	1		08/22/17 11:13	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 11:13	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 11:13	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 11:13	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 11:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 11:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 11:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 11:13	74-83-9	
2-Butanone (MEK)	<b>47.0</b>	ug/L	25.0	1		08/25/17 03:14	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 11:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 11:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 11:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 11:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 11:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 11:13	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 11:13	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 11:13	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 11:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 11:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 11:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 11:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 11:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 11:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 11:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 11:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 11:13	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 11:13	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 11:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 11:13	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 11:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 11:13	99-87-6	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-22		Lab ID: 50177969002	Collected: 08/16/17 12:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 11:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 11:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 11:13	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 11:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 11:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 11:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 11:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 11:13	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 11:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 11:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 11:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 11:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 11:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 11:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 11:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 11:13	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 11:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 11:13	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104	%	86-116	1		08/22/17 11:13	1868-53-7	
4-Bromofluorobenzene (S)	89	%	84-113	1		08/22/17 11:13	460-00-4	
Toluene-d8 (S)	94	%	86-111	1		08/22/17 11:13	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-23		Lab ID: 50177969003	Collected: 08/16/17 13:30	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:25	7440-38-2	
Barium	<b>78.8</b>	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:25	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:25	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:25	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:25	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:25	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:25	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:57	7440-38-2	
Barium, Dissolved	<b>71.6</b>	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:57	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 22:57	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:57	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:57	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:57	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:57	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:25	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 18:46	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 16:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:38	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:38	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	46	%.	15-87	1	08/18/17 13:45	08/22/17 16:38	321-60-8	
p-Terphenyl-d14 (S)	70	%.	10-116	1	08/18/17 13:45	08/22/17 16:38	1718-51-0	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-23	Lab ID: 50177969003	Collected: 08/16/17 13:30	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 11:45	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 11:45	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 11:45	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 11:45	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 11:45	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 11:45	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 11:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 11:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 11:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 11:45	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 11:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 11:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 11:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 11:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 11:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 11:45	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 11:45	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 11:45	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 11:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 11:45	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 11:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 11:45	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 11:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 11:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 11:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 11:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 11:45	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 11:45	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 11:45	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 11:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 11:45	98-82-8	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-23		Lab ID: 50177969003	Collected: 08/16/17 13:30	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 11:45	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 11:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 11:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 11:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 11:45	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 11:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 11:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 11:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 11:45	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 11:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 11:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 11:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 11:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 11:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 11:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 11:45	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 11:45	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 11:45	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 11:45	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104	%.	86-116	1		08/22/17 11:45	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	84-113	1		08/22/17 11:45	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 11:45	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-FD-5		Lab ID: 50177969004	Collected: 08/16/17 13:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:27	7440-38-2	
Barium	<b>78.5</b>	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:27	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:27	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:27	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:27	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:27	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:27	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:59	7440-38-2	
Barium, Dissolved	<b>69.7</b>	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:59	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 22:59	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:59	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:59	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:59	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 22:59	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:28	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 18:48	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 16:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 16:50	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 16:50	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	55	%	15-87	1	08/18/17 13:45	08/22/17 16:50	321-60-8	
p-Terphenyl-d14 (S)	83	%	10-116	1	08/18/17 13:45	08/22/17 16:50	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-FD-5	Lab ID: 50177969004	Collected: 08/16/17 13:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 12:18	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 12:18	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 12:18	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 12:18	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 12:18	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 12:18	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 12:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 12:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 12:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 12:18	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 12:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 12:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 12:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 12:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 12:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 12:18	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:18	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:18	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 12:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 12:18	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 12:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 12:18	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 12:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 12:18	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 12:18	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 12:18	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 12:18	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 12:18	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 12:18	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-FD-5		Lab ID: 50177969004	Collected: 08/16/17 13:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 12:18	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 12:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 12:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 12:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 12:18	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 12:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 12:18	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 12:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:18	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 12:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 12:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 12:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:18	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 12:18	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 12:18	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 12:18	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 12:18	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	84-113	1		08/22/17 12:18	460-00-4	
Toluene-d8 (S)	91	%.	86-111	1		08/22/17 12:18	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-24		Lab ID: 50177969005		Collected: 08/16/17 14:45		Received: 08/17/17 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:30	7440-38-2		
Barium	81.7	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:30	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:30	7440-43-9		
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:30	7440-47-3		
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:30	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:30	7782-49-2		
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:30	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:01	7440-38-2		
Barium, Dissolved	72.5	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:01	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 23:01	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:01	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:01	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:01	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:01	7440-22-4		
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:30	7439-97-6		
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 18:51	7439-97-6		
<b>8270 MSSV PAHLV</b> Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	208-96-8		
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	207-08-9		
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 17:01	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	206-44-0		
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:01	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	91-57-6		
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	85-01-8		
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:01	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	55	%	15-87	1	08/18/17 13:45	08/22/17 17:01	321-60-8		
p-Terphenyl-d14 (S)	83	%	10-116	1	08/18/17 13:45	08/22/17 17:01	1718-51-0		

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-24	Lab ID: 50177969005	Collected: 08/16/17 14:45	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 12:50	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 12:50	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 12:50	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 12:50	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 12:50	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 12:50	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 12:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 12:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 12:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 12:50	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 12:50	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 12:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 12:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 12:50	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 12:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 12:50	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:50	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:50	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 12:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 12:50	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 12:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 12:50	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 12:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:50	75-35-4	
cis-1,2-Dichloroethene	<b>56.2</b>	ug/L	5.0	1		08/22/17 12:50	156-59-2	
trans-1,2-Dichloroethene	<b>36.5</b>	ug/L	5.0	1		08/22/17 12:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 12:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 12:50	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 12:50	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 12:50	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 12:50	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 12:50	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-24		Lab ID: 50177969005	Collected: 08/16/17 14:45	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 12:50	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 12:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 12:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 12:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 12:50	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 12:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:50	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 12:50	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 12:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:50	79-00-5	
Trichloroethene	<b>207</b>	ug/L	5.0	1		08/22/17 12:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 12:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 12:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:50	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 12:50	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 12:50	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 12:50	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 12:50	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 12:50	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 12:50	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-25		Lab ID: 50177969006		Collected: 08/16/17 15:35		Received: 08/17/17 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:32	7440-38-2		
Barium	129	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:32	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:32	7440-43-9		
Chromium	20.0	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:32	7440-47-3		
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:32	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:32	7782-49-2		
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:32	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:04	7440-38-2		
Barium, Dissolved	59.0	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:04	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 23:04	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:04	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:04	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:04	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:04	7440-22-4		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:38	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 18:53	7439-97-6		
<b>8270 MSSV PAHLV</b>									
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	208-96-8		
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	120-12-7		
Benzo(a)anthracene	0.15	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	50-32-8		
Benzo(b)fluoranthene	0.15	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	191-24-2		
Benzo(k)fluoranthene	0.18	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	207-08-9		
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 17:12	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	206-44-0		
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:12	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	91-57-6		
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	85-01-8		
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:12	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	52	%	15-87	1	08/18/17 13:45	08/22/17 17:12	321-60-8		
p-Terphenyl-d14 (S)	81	%	10-116	1	08/18/17 13:45	08/22/17 17:12	1718-51-0		

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-25	Lab ID: 50177969006	Collected: 08/16/17 15:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 13:22	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 13:22	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 13:22	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 13:22	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 13:22	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 13:22	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 13:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 13:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 13:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 13:22	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 13:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 13:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 13:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 13:22	75-00-3	
Chloroform	<b>15.8</b>	ug/L	5.0	1		08/22/17 13:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 13:22	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 13:22	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 13:22	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 13:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 13:22	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 13:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 13:22	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 13:22	75-71-8	
1,1-Dichloroethane	<b>6.6</b>	ug/L	5.0	1		08/22/17 13:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 13:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 13:22	75-35-4	
cis-1,2-Dichloroethene	<b>92.4</b>	ug/L	5.0	1		08/22/17 13:22	156-59-2	
trans-1,2-Dichloroethene	<b>9.8</b>	ug/L	5.0	1		08/22/17 13:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 13:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 13:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 13:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 13:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 13:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 13:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 13:22	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 13:22	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 13:22	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 13:22	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 13:22	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 13:22	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-25		Lab ID: 50177969006	Collected: 08/16/17 15:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 13:22	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 13:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 13:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 13:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 13:22	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 13:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 13:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 13:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 13:22	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 13:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 13:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 13:22	79-00-5	
Trichloroethene	<b>2570</b>	ug/L	125	25		08/23/17 04:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 13:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 13:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 13:22	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 13:22	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 13:22	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 13:22	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 13:22	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 13:22	460-00-4	
Toluene-d8 (S)	94	%.	86-111	1		08/22/17 13:22	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-26		Lab ID: 50177969007	Collected: 08/16/17 16:30	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:34	7440-38-2	
Barium	<b>98.6</b>	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:34	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:34	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:34	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:34	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:34	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:34	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:06	7440-38-2	
Barium, Dissolved	<b>93.7</b>	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:06	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 23:06	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:06	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:06	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:06	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:06	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:40	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:01	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 17:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:24	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:24	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	58	%.	15-87	1	08/18/17 13:45	08/22/17 17:24	321-60-8	
p-Terphenyl-d14 (S)	81	%.	10-116	1	08/18/17 13:45	08/22/17 17:24	1718-51-0	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-26		Lab ID: 50177969007	Collected: 08/16/17 16:30	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 13:55	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 13:55	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 13:55	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 13:55	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 13:55	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 13:55	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 13:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 13:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 13:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 13:55	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 13:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 13:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 13:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 13:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 13:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 13:55	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 13:55	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 13:55	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 13:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 13:55	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 13:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 13:55	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 13:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 13:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 13:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 13:55	75-35-4	
cis-1,2-Dichloroethene	<b>84.6</b>	ug/L	5.0	1		08/22/17 13:55	156-59-2	
trans-1,2-Dichloroethene	<b>35.9</b>	ug/L	5.0	1		08/22/17 13:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 13:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 13:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 13:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 13:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 13:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 13:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 13:55	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 13:55	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 13:55	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 13:55	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 13:55	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 13:55	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-26		Lab ID: 50177969007	Collected: 08/16/17 16:30	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 13:55	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 13:55	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 13:55	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 13:55	1634-04-4		
Naphthalene	ND	ug/L	5.0	1		08/22/17 13:55	91-20-3		
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	103-65-1		
Styrene	ND	ug/L	5.0	1		08/22/17 13:55	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 13:55	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 13:55	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 13:55	127-18-4		
Toluene	ND	ug/L	5.0	1		08/22/17 13:55	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:55	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 13:55	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 13:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 13:55	79-00-5		
Trichloroethene	<b>42.9</b>	ug/L	5.0	1		08/22/17 13:55	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 13:55	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 13:55	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 13:55	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 13:55	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 13:55	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 13:55	1330-20-7		
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 13:55	1868-53-7	C0	
4-Bromofluorobenzene (S)	88	%.	84-113	1		08/22/17 13:55	460-00-4		
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 13:55	2037-26-5		

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-27	Lab ID: 50177969008	Collected: 08/16/17 17:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	2050	ug/L	50.0	1	08/23/17 11:26	08/28/17 12:37	7440-38-2	P4
Barium	22400	ug/L	50.0	1	08/23/17 11:26	08/28/17 12:37	7440-39-3	
Cadmium	98.5	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:37	7440-43-9	
Chromium	4890	ug/L	50.0	1	08/23/17 11:26	08/28/17 12:37	7440-47-3	
Lead	13000	ug/L	50.0	1	08/23/17 11:26	08/28/17 12:37	7439-92-1	
Selenium	70.1	ug/L	50.0	1	08/23/17 11:26	08/28/17 12:37	7782-49-2	
Silver	ND	ug/L	50.0	1	08/23/17 11:26	08/28/17 12:37	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	13.4	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:08	7440-38-2	
Barium, Dissolved	51.2	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:08	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 23:08	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:08	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:08	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:08	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:08	7440-22-4	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	4.0	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:42	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:03	7439-97-6	
<b>8270 MSSV PAHLV</b> Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 17:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:35	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:35	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	42	%	15-87	1	08/18/17 13:45	08/22/17 17:35	321-60-8	
p-Terphenyl-d14 (S)	67	%	10-116	1	08/18/17 13:45	08/22/17 17:35	1718-51-0	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-27	Lab ID: 50177969008	Collected: 08/16/17 17:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	2080	ug/L	500	5		08/25/17 05:24	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 14:27	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 14:27	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 14:27	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 14:27	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 14:27	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 14:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 14:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 14:27	74-83-9	
2-Butanone (MEK)	192	ug/L	125	5		08/25/17 05:24	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 14:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 14:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 14:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 14:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 14:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 14:27	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 14:27	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 14:27	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 14:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 14:27	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 14:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 14:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 14:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 14:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 14:27	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 14:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 14:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 14:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 14:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 14:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 14:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 14:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 14:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 14:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 14:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 14:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 14:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 14:27	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 14:27	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 14:27	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 14:27	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 14:27	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 14:27	98-82-8	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-27		Lab ID: 50177969008	Collected: 08/16/17 17:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 14:27	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 14:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 14:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 14:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 14:27	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 14:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 14:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 14:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 14:27	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 14:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 14:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 14:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 14:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 14:27	79-00-5	
Trichloroethene	<b>36.9</b>	ug/L	5.0	1		08/22/17 14:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 14:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 14:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 14:27	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 14:27	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 14:27	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 14:27	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	102	%.	86-116	1		08/22/17 14:27	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 14:27	460-00-4	
Toluene-d8 (S)	91	%.	86-111	1		08/22/17 14:27	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-28		Lab ID: 50177969009	Collected: 08/16/17 18:30	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:39	7440-38-2	
Barium	<b>72.5</b>	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:39	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:39	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:39	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:39	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:39	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:39	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:10	7440-38-2	
Barium, Dissolved	<b>67.2</b>	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:10	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/23/17 23:10	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:10	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:10	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:10	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/23/17 23:10	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:45	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:05	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 17:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:47	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:47	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	51	%.	15-87	1	08/18/17 13:45	08/22/17 17:47	321-60-8	
p-Terphenyl-d14 (S)	90	%.	10-116	1	08/18/17 13:45	08/22/17 17:47	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-28	Lab ID: 50177969009	Collected: 08/16/17 18:30	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 15:00	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 15:00	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 15:00	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 15:00	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 15:00	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 15:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 15:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 15:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 15:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 15:00	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 15:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 15:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 15:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 15:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 15:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 15:00	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 15:00	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 15:00	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 15:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 15:00	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 15:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 15:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 15:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 15:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 15:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 15:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 15:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 15:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 15:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 15:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 15:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 15:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 15:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 15:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 15:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 15:00	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 15:00	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 15:00	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 15:00	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 15:00	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-28		Lab ID: 50177969009	Collected: 08/16/17 18:30	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 15:00	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 15:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 15:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 15:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 15:00	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 15:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 15:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 15:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 15:00	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 15:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 15:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 15:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 15:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 15:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 15:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 15:00	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 15:00	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 15:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 15:00	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	108	%.	86-116	1		08/22/17 15:00	1868-53-7	
4-Bromofluorobenzene (S)	86	%.	84-113	1		08/22/17 15:00	460-00-4	
Toluene-d8 (S)	90	%.	86-111	1		08/22/17 15:00	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-29		Lab ID: 50177969010	Collected: 08/16/17 19:20	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:41	7440-38-2	
Barium	87.9	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:41	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:41	7440-43-9	
Chromium	10.2	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:41	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:41	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:41	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:41	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:55	7440-38-2	
Barium, Dissolved	38.8	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:55	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/24/17 00:55	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:55	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:55	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:55	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:55	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:47	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:08	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	50-32-8	
Benzo(b)fluoranthene	0.11	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	191-24-2	
Benzo(k)fluoranthene	0.12	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 17:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 17:58	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 17:58	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	50	%	15-87	1	08/18/17 13:45	08/22/17 17:58	321-60-8	
p-Terphenyl-d14 (S)	78	%	10-116	1	08/18/17 13:45	08/22/17 17:58	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-29	Lab ID: 50177969010	Collected: 08/16/17 19:20	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 15:32	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 15:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 15:32	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 15:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 15:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 15:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 15:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 15:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 15:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 15:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 15:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 15:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 15:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 15:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 15:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 15:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 15:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 15:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 15:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 15:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 15:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 15:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 15:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 15:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 15:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 15:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 15:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 15:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 15:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 15:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 15:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 15:32	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-29		Lab ID: 50177969010	Collected: 08/16/17 19:20	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 15:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 15:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 15:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 15:32	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 15:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 15:32	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 15:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 15:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 15:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 15:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 15:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 15:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 15:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 15:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 15:32	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 15:32	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	84-113	1		08/22/17 15:32	460-00-4	
Toluene-d8 (S)	94	%.	86-111	1		08/22/17 15:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-30		Lab ID: 50177969011		Collected: 08/17/17 08:35		Received: 08/17/17 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:44	7440-38-2		
Barium	132	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:44	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:44	7440-43-9		
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:44	7440-47-3		
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:44	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:44	7782-49-2		
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:44	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:58	7440-38-2		
Barium, Dissolved	121	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:58	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/24/17 00:58	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:58	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:58	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:58	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 00:58	7440-22-4		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:50	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:10	7439-97-6		
<b>8270 MSSV PAHLV</b>									
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	208-96-8		
Anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	207-08-9		
Chrysene	ND	ug/L	0.50	1	08/18/17 13:45	08/22/17 18:10	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	206-44-0		
Fluorene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 13:45	08/22/17 18:10	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	91-57-6		
Naphthalene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	85-01-8		
Pyrene	ND	ug/L	1.0	1	08/18/17 13:45	08/22/17 18:10	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	57	%	15-87	1	08/18/17 13:45	08/22/17 18:10	321-60-8		
p-Terphenyl-d14 (S)	87	%	10-116	1	08/18/17 13:45	08/22/17 18:10	1718-51-0		

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-30	Lab ID: 50177969011	Collected: 08/17/17 08:35	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 16:38	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 16:38	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 16:38	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 16:38	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 16:38	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 16:38	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 16:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 16:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 16:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 16:38	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 16:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 16:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 16:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 16:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 16:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 16:38	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 16:38	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 16:38	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 16:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 16:38	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 16:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 16:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 16:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 16:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 16:38	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 16:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 16:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 16:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 16:38	75-35-4	
cis-1,2-Dichloroethene	<b>276</b>	ug/L	5.0	1		08/22/17 16:38	156-59-2	
trans-1,2-Dichloroethene	<b>14.3</b>	ug/L	5.0	1		08/22/17 16:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 16:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 16:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 16:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 16:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 16:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 16:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 16:38	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 16:38	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 16:38	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 16:38	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 16:38	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 16:38	98-82-8	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-30		Lab ID: 50177969011	Collected: 08/17/17 08:35	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 16:38	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 16:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 16:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 16:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 16:38	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 16:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 16:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 16:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 16:38	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 16:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 16:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 16:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 16:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 16:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 16:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 16:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 16:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 16:38	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 16:38	108-05-4	
Vinyl chloride	<b>100</b>	ug/L	2.0	1		08/22/17 16:38	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 16:38	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 16:38	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	84-113	1		08/22/17 16:38	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 16:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-31		Lab ID: 50177969012	Collected: 08/17/17 09:40	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	15.9	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:50	7440-38-2	
Barium	489	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:50	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:50	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:50	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:50	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:50	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:50	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	17.9	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:00	7440-38-2	
Barium, Dissolved	523	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:00	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/24/17 01:00	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:00	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:00	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:00	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:00	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:52	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:13	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	83-32-9	
Acenaphthylene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	208-96-8	
Anthracene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	207-08-9	
Chrysene	ND	ug/L	5.0	10	08/18/17 13:45	08/23/17 15:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	53-70-3	
Fluoranthene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	206-44-0	
Fluorene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:43	193-39-5	
1-Methylnaphthalene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	91-57-6	
Naphthalene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	91-20-3	D3
Phenanthrene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	85-01-8	
Pyrene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:43	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	41	%	15-87	10	08/18/17 13:45	08/23/17 15:43	321-60-8	
p-Terphenyl-d14 (S)	74	%	10-116	10	08/18/17 13:45	08/23/17 15:43	1718-51-0	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-31	Lab ID: 50177969012	Collected: 08/17/17 09:40	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	2550	ug/L	500	5		08/25/17 04:51	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 10:56	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 10:56	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 10:56	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 10:56	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 10:56	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 10:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 10:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 10:56	74-83-9	
2-Butanone (MEK)	207	ug/L	125	5		08/25/17 04:51	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 10:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 10:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 10:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 10:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 10:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 10:56	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 10:56	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 10:56	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 10:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 10:56	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 10:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 10:56	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 10:56	75-71-8	
1,1-Dichloroethane	9.5	ug/L	5.0	1		08/22/17 10:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 10:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 10:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 10:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 10:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 10:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 10:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 10:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 10:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 10:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 10:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 10:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 10:56	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 10:56	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 10:56	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 10:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 10:56	98-82-8	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-31		Lab ID: 50177969012	Collected: 08/17/17 09:40	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 10:56	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 10:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 10:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 10:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 10:56	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 10:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 10:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 10:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 10:56	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 10:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 10:56	120-82-1	
1,1,1-Trichloroethane	<b>5.2</b>	ug/L	5.0	1		08/22/17 10:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 10:56	79-00-5	
Trichloroethene	<b>15.4</b>	ug/L	5.0	1		08/22/17 10:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 10:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 10:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 10:56	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 10:56	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 10:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 10:56	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	105	%.	86-116	1		08/22/17 10:56	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 10:56	460-00-4	
Toluene-d8 (S)	92	%.	86-111	1		08/22/17 10:56	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-32		Lab ID: 50177969013		Collected: 08/17/17 10:40		Received: 08/17/17 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:52	7440-38-2		
Barium	696	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:52	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:52	7440-43-9		
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:52	7440-47-3		
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:52	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:52	7782-49-2		
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:52	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:02	7440-38-2		
Barium, Dissolved	736	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:02	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/24/17 01:02	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:02	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:02	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:02	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:02	7440-22-4		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:55	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:15	7439-97-6		
<b>8270 MSSV PAHLV</b>									
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	83-32-9		
Acenaphthylene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	208-96-8		
Anthracene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	120-12-7		
Benzo(a)anthracene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	56-55-3		
Benzo(a)pyrene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	207-08-9		
Chrysene	ND	ug/L	5.0	10	08/18/17 13:45	08/23/17 15:54	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	53-70-3		
Fluoranthene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	206-44-0		
Fluorene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	10	08/18/17 13:45	08/23/17 15:54	193-39-5		
1-Methylnaphthalene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	91-57-6		
Naphthalene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	91-20-3	D3	
Phenanthrene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	85-01-8		
Pyrene	ND	ug/L	10.0	10	08/18/17 13:45	08/23/17 15:54	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	38	%	15-87	10	08/18/17 13:45	08/23/17 15:54	321-60-8		
p-Terphenyl-d14 (S)	63	%	10-116	10	08/18/17 13:45	08/23/17 15:54	1718-51-0		

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-32		Lab ID: 50177969013	Collected: 08/17/17 10:40	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	<b>829</b>	ug/L	100	1		08/25/17 03:47	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 11:29	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 11:29	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 11:29	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 11:29	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 11:29	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 11:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 11:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 11:29	74-83-9	
2-Butanone (MEK)	<b>81.8</b>	ug/L	25.0	1		08/25/17 03:47	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 11:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 11:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 11:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 11:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 11:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 11:29	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 11:29	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 11:29	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 11:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 11:29	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 11:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 11:29	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 11:29	75-71-8	
1,1-Dichloroethane	<b>8.3</b>	ug/L	5.0	1		08/22/17 11:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 11:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 11:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 11:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 11:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 11:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 11:29	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 11:29	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 11:29	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 11:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 11:29	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-32		Lab ID: 50177969013	Collected: 08/17/17 10:40	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 11:29	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 11:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 11:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 11:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 11:29	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 11:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 11:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 11:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 11:29	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 11:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 11:29	120-82-1	
1,1,1-Trichloroethane	7.4	ug/L	5.0	1		08/22/17 11:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 11:29	79-00-5	
Trichloroethene	11.1	ug/L	5.0	1		08/22/17 11:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 11:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 11:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 11:29	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 11:29	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 11:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 11:29	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	106	%.	86-116	1		08/22/17 11:29	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 11:29	460-00-4	
Toluene-d8 (S)	92	%.	86-111	1		08/22/17 11:29	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-33		Lab ID: 50177969014		Collected: 08/17/17 12:00		Received: 08/17/17 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	13.5	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:55	7440-38-2		
Barium	62.5	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:55	7440-39-3		
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:55	7440-43-9		
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:55	7440-47-3		
Lead	20.2	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:55	7439-92-1		
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:55	7782-49-2		
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:55	7440-22-4		
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic, Dissolved	10.6	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:05	7440-38-2		
Barium, Dissolved	20.0	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:05	7440-39-3		
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/24/17 01:05	7440-43-9		
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:05	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:05	7439-92-1		
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:05	7782-49-2		
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:05	7440-22-4		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:57	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:18	7439-97-6		
<b>8270 MSSV PAHLV</b>									
Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	208-96-8		
Anthracene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	207-08-9		
Chrysene	ND	ug/L	0.50	1	08/18/17 21:15	08/21/17 20:42	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	206-44-0		
Fluorene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:42	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	90-12-0	N2	
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	91-57-6		
Naphthalene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	85-01-8		
Pyrene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:42	129-00-0		
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	54	%	15-87	1	08/18/17 21:15	08/21/17 20:42	321-60-8		
p-Terphenyl-d14 (S)	83	%	10-116	1	08/18/17 21:15	08/21/17 20:42	1718-51-0		

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-33	Lab ID: 50177969014	Collected: 08/17/17 12:00	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>	Analytical Method: EPA 8260							
Acetone	603	ug/L	100	1		08/25/17 04:19	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 12:01	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 12:01	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 12:01	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 12:01	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 12:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 12:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 12:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 12:01	74-83-9	
2-Butanone (MEK)	60.7	ug/L	25.0	1		08/25/17 04:19	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 12:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 12:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 12:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 12:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 12:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 12:01	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:01	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:01	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 12:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 12:01	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 12:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 12:01	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 12:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 12:01	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 12:01	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 12:01	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 12:01	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 12:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 12:01	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-33		Lab ID: 50177969014	Collected: 08/17/17 12:00	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 12:01	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 12:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 12:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 12:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 12:01	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 12:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 12:01	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 12:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 12:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 12:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 12:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:01	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 12:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 12:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 12:01	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104	%.	86-116	1		08/22/17 12:01	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 12:01	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 12:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-34		Lab ID: 50177969015	Collected: 08/17/17 13:15	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:57	7440-38-2	
Barium	<b>69.4</b>	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:57	7440-39-3	
Cadmium	ND	ug/L	2.0	1	08/23/17 11:26	08/28/17 12:57	7440-43-9	
Chromium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:57	7440-47-3	
Lead	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:57	7439-92-1	
Selenium	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:57	7782-49-2	
Silver	ND	ug/L	10.0	1	08/23/17 11:26	08/28/17 12:57	7440-22-4	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:07	7440-38-2	
Barium, Dissolved	<b>70.2</b>	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:07	7440-39-3	
Cadmium, Dissolved	ND	ug/L	2.0	1	08/23/17 07:00	08/24/17 01:07	7440-43-9	
Chromium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:07	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:07	7439-92-1	
Selenium, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:07	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	08/23/17 07:00	08/24/17 01:07	7440-22-4	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	2.0	1	08/21/17 14:29	08/21/17 19:59	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	2.0	1	08/25/17 09:41	08/27/17 19:20	7439-97-6	
<b>8270 MSSV PAHLV</b>		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	208-96-8	
Anthracene	ND	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	120-12-7	
Benzo(a)anthracene	<b>0.18</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	56-55-3	
Benzo(a)pyrene	<b>0.11</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	50-32-8	
Benzo(b)fluoranthene	<b>0.20</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	205-99-2	
Benzo(g,h,i)perylene	<b>0.19</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	191-24-2	
Benzo(k)fluoranthene	<b>0.24</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	207-08-9	
Chrysene	ND	ug/L	0.50	1	08/18/17 21:15	08/21/17 20:53	218-01-9	
Dibenz(a,h)anthracene	<b>0.19</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	206-44-0	
Fluorene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>0.20</b>	ug/L	0.10	1	08/18/17 21:15	08/21/17 20:53	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	91-57-6	
Naphthalene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	85-01-8	
Pyrene	ND	ug/L	1.0	1	08/18/17 21:15	08/21/17 20:53	129-00-0	
<b>Surrogates</b>								
2-Fluorobiphenyl (S)	53	%	15-87	1	08/18/17 21:15	08/21/17 20:53	321-60-8	
p-Terphenyl-d14 (S)	92	%	10-116	1	08/18/17 21:15	08/21/17 20:53	1718-51-0	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-34	Lab ID: 50177969015	Collected: 08/17/17 13:15	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 12:34	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 12:34	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 12:34	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 12:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 12:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 12:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 12:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 12:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 12:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 12:34	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 12:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 12:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 12:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 12:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 12:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 12:34	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:34	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 12:34	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 12:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 12:34	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 12:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 12:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 12:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 12:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 12:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 12:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 12:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 12:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 12:34	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 12:34	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 12:34	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/22/17 12:34	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 12:34	98-82-8	

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-SB-34		Lab ID: 50177969015	Collected: 08/17/17 13:15	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 12:34	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 12:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 12:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 12:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 12:34	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 12:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 12:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 12:34	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 12:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 12:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 12:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 12:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 12:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 12:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 12:34	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 12:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 12:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 12:34	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	104	%.	86-116	1		08/22/17 12:34	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 12:34	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 12:34	2037-26-5	

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### ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-Trip Blank	Lab ID: 50177969016	Collected: 08/14/17 08:00	Received: 08/17/17 15:06	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		08/22/17 06:20	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/22/17 06:20	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/22/17 06:20	107-13-1	
Benzene	ND	ug/L	5.0	1		08/22/17 06:20	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/22/17 06:20	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/22/17 06:20	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/22/17 06:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/22/17 06:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/22/17 06:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/22/17 06:20	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/22/17 06:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/22/17 06:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/22/17 06:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/22/17 06:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/22/17 06:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/22/17 06:20	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 06:20	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/22/17 06:20	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/22/17 06:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/22/17 06:20	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/22/17 06:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/22/17 06:20	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/22/17 06:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/22/17 06:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/22/17 06:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/22/17 06:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/22/17 06:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/22/17 06:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/22/17 06:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/22/17 06:20	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/22/17 06:20	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/22/17 06:20	591-78-6	L2
Iodomethane	ND	ug/L	10.0	1		08/22/17 06:20	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/22/17 06:20	98-82-8	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Former RCA Parcel B

Pace Project No.: 50177969

Sample: RB-GW-Trip Blank		Lab ID: 50177969016	Collected: 08/14/17 08:00	Received: 08/17/17 15:06	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	5.0	1		08/22/17 06:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/22/17 06:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/22/17 06:20	108-10-1	L2
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/22/17 06:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		08/22/17 06:20	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	103-65-1	
Styrene	ND	ug/L	5.0	1		08/22/17 06:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 06:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/22/17 06:20	79-34-5	L2
Tetrachloroethene	ND	ug/L	5.0	1		08/22/17 06:20	127-18-4	
Toluene	ND	ug/L	5.0	1		08/22/17 06:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/22/17 06:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/22/17 06:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/22/17 06:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/22/17 06:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/22/17 06:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/22/17 06:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/22/17 06:20	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/22/17 06:20	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/22/17 06:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/22/17 06:20	1330-20-7	
<b>Surrogates</b>								
Dibromofluoromethane (S)	103	%.	86-116	1		08/22/17 06:20	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	84-113	1		08/22/17 06:20	460-00-4	
Toluene-d8 (S)	93	%.	86-111	1		08/22/17 06:20	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: Former RCA Parcel B  
Pace Project No.: 50177969

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QC Batch: 402134 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

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METHOD BLANK: 1851110 Matrix: Water  
Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	08/21/17 19:08	

LABORATORY CONTROL SAMPLE: 1851111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851112 1851113

Parameter	Units	50178083005 Result	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	% Rec	% Rec							
Mercury	ug/L	ND	5	5	5.8	5.0	115	101	75-125	14	20			

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: Former RCA Parcel B

Pace Project No.: 50177969

QC Batch: 402736

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury Dissolved

Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

METHOD BLANK: 1853540

Matrix: Water

Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	2.0	08/27/17 18:31	

LABORATORY CONTROL SAMPLE: 1853541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1853542 1853543

Parameter	Units	50177969001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.1	5.2	101	103	75-125	2	20	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B  
Pace Project No.: 50177969

QC Batch: 401911 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

METHOD BLANK: 1850047 Matrix: Water  
Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	08/28/17 11:18	
Barium	ug/L	ND	10.0	08/28/17 11:18	
Cadmium	ug/L	ND	2.0	08/28/17 11:18	
Chromium	ug/L	ND	10.0	08/28/17 11:18	
Lead	ug/L	ND	10.0	08/28/17 11:18	
Selenium	ug/L	ND	10.0	08/28/17 11:18	
Silver	ug/L	ND	10.0	08/28/17 11:18	

LABORATORY CONTROL SAMPLE: 1850048

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	996	100	80-120	
Barium	ug/L	1000	975	98	80-120	
Cadmium	ug/L	1000	979	98	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Lead	ug/L	1000	958	96	80-120	
Selenium	ug/L	1000	1010	101	80-120	
Silver	ug/L	500	479	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1850049 1850050

Parameter	Units	50177907001		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Arsenic	ug/L	89.3	1000	1000	1080	1090	99	100	75-125	0	20	
Barium	ug/L	549	1000	1000	1500	1520	95	97	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	977	975	98	97	75-125	0	20	
Chromium	ug/L	68.4	1000	1000	1060	1060	99	99	75-125	0	20	
Lead	ug/L	39.8	1000	1000	927	923	89	88	75-125	0	20	
Selenium	ug/L	ND	1000	1000	994	997	99	100	75-125	0	20	
Silver	ug/L	ND	500	500	484	485	97	97	75-125	0	20	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B  
Pace Project No.: 50177969

QC Batch: 402417 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved  
Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

METHOD BLANK: 1852179 Matrix: Water  
Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013, 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	08/23/17 22:26	
Barium, Dissolved	ug/L	ND	10.0	08/23/17 22:26	
Cadmium, Dissolved	ug/L	ND	2.0	08/23/17 22:26	
Chromium, Dissolved	ug/L	ND	10.0	08/23/17 22:26	
Lead, Dissolved	ug/L	ND	10.0	08/23/17 22:26	
Selenium, Dissolved	ug/L	ND	10.0	08/23/17 22:26	
Silver, Dissolved	ug/L	ND	10.0	08/23/17 22:26	

LABORATORY CONTROL SAMPLE: 1852180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	972	97	80-120	
Barium, Dissolved	ug/L	1000	994	99	80-120	
Cadmium, Dissolved	ug/L	1000	956	96	80-120	
Chromium, Dissolved	ug/L	1000	992	99	80-120	
Lead, Dissolved	ug/L	1000	940	94	80-120	
Selenium, Dissolved	ug/L	1000	980	98	80-120	
Silver, Dissolved	ug/L	500	534	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1852181 1852182

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
Arsenic, Dissolved	ug/L	ND	1000	1000	948	969	94	97	75-125	2	20
Barium, Dissolved	ug/L	47.4	1000	1000	983	1010	94	97	75-125	3	20
Cadmium, Dissolved	ug/L	ND	1000	1000	918	944	92	94	75-125	3	20
Chromium, Dissolved	ug/L	ND	1000	1000	929	951	93	95	75-125	2	20
Lead, Dissolved	ug/L	ND	1000	1000	867	891	87	89	75-125	3	20
Selenium, Dissolved	ug/L	ND	1000	1000	959	980	96	98	75-125	2	20
Silver, Dissolved	ug/L	ND	500	500	506	517	101	103	75-125	2	20

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B  
Pace Project No.: 50177969

QC Batch: 402348 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 50177969016

METHOD BLANK: 1851995 Matrix: Water  
Associated Lab Samples: 50177969016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1-Dichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,1-Dichloroethene	ug/L	ND	5.0	08/21/17 22:14	
1,1-Dichloropropene	ug/L	ND	5.0	08/21/17 22:14	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/21/17 22:14	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dichloroethane	ug/L	ND	5.0	08/21/17 22:14	
1,2-Dichloropropane	ug/L	ND	5.0	08/21/17 22:14	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/21/17 22:14	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
1,3-Dichloropropane	ug/L	ND	5.0	08/21/17 22:14	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
2,2-Dichloropropane	ug/L	ND	5.0	08/21/17 22:14	
2-Butanone (MEK)	ug/L	ND	25.0	08/21/17 22:14	
2-Chlorotoluene	ug/L	ND	5.0	08/21/17 22:14	
2-Hexanone	ug/L	ND	25.0	08/21/17 22:14	
4-Chlorotoluene	ug/L	ND	5.0	08/21/17 22:14	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/21/17 22:14	
Acetone	ug/L	ND	100	08/21/17 22:14	
Acrolein	ug/L	ND	50.0	08/21/17 22:14	
Acrylonitrile	ug/L	ND	100	08/21/17 22:14	
Benzene	ug/L	ND	5.0	08/21/17 22:14	
Bromobenzene	ug/L	ND	5.0	08/21/17 22:14	
Bromochloromethane	ug/L	ND	5.0	08/21/17 22:14	
Bromodichloromethane	ug/L	ND	5.0	08/21/17 22:14	
Bromoform	ug/L	ND	5.0	08/21/17 22:14	
Bromomethane	ug/L	ND	5.0	08/21/17 22:14	
Carbon disulfide	ug/L	ND	10.0	08/21/17 22:14	
Carbon tetrachloride	ug/L	ND	5.0	08/21/17 22:14	
Chlorobenzene	ug/L	ND	5.0	08/21/17 22:14	
Chloroethane	ug/L	ND	5.0	08/21/17 22:14	
Chloroform	ug/L	ND	5.0	08/21/17 22:14	
Chloromethane	ug/L	ND	5.0	08/21/17 22:14	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/21/17 22:14	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B  
Pace Project No.: 50177969

METHOD BLANK: 1851995 Matrix: Water  
Associated Lab Samples: 50177969016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/21/17 22:14	
Dibromochloromethane	ug/L	ND	5.0	08/21/17 22:14	
Dibromomethane	ug/L	ND	5.0	08/21/17 22:14	
Dichlorodifluoromethane	ug/L	ND	5.0	08/21/17 22:14	
Ethyl methacrylate	ug/L	ND	100	08/21/17 22:14	
Ethylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/21/17 22:14	
Iodomethane	ug/L	ND	10.0	08/21/17 22:14	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/21/17 22:14	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/21/17 22:14	
Methylene Chloride	ug/L	ND	5.0	08/21/17 22:14	
n-Butylbenzene	ug/L	ND	5.0	08/21/17 22:14	
n-Hexane	ug/L	ND	5.0	08/21/17 22:14	
n-Propylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Naphthalene	ug/L	ND	5.0	08/21/17 22:14	
p-Isopropyltoluene	ug/L	ND	5.0	08/21/17 22:14	
sec-Butylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Styrene	ug/L	ND	5.0	08/21/17 22:14	
tert-Butylbenzene	ug/L	ND	5.0	08/21/17 22:14	
Tetrachloroethene	ug/L	ND	5.0	08/21/17 22:14	
Toluene	ug/L	ND	5.0	08/21/17 22:14	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/21/17 22:14	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/21/17 22:14	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/21/17 22:14	
Trichloroethene	ug/L	ND	5.0	08/21/17 22:14	
Trichlorofluoromethane	ug/L	ND	5.0	08/21/17 22:14	
Vinyl acetate	ug/L	ND	50.0	08/21/17 22:14	
Vinyl chloride	ug/L	ND	2.0	08/21/17 22:14	
Xylene (Total)	ug/L	ND	10.0	08/21/17 22:14	
4-Bromofluorobenzene (S)	%	91	84-113	08/21/17 22:14	
Dibromofluoromethane (S)	%	108	86-116	08/21/17 22:14	
Toluene-d8 (S)	%	93	86-111	08/21/17 22:14	

LABORATORY CONTROL SAMPLE: 1851996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.6	109	80-123	
1,1,1-Trichloroethane	ug/L	50	51.3	103	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	36.6	73	74-124	L2
1,1,2-Trichloroethane	ug/L	50	46.7	93	79-121	
1,1-Dichloroethane	ug/L	50	42.9	86	77-122	
1,1-Dichloroethene	ug/L	50	51.6	103	70-131	
1,1-Dichloropropene	ug/L	50	48.8	98	79-124	
1,2,3-Trichlorobenzene	ug/L	50	55.0	110	70-129	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1851996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	46.6	93	79-128	
1,2,4-Trichlorobenzene	ug/L	50	51.6	103	69-129	
1,2,4-Trimethylbenzene	ug/L	50	43.5	87	76-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	81-123	
1,2-Dichlorobenzene	ug/L	50	50.0	100	77-118	
1,2-Dichloroethane	ug/L	50	39.6	79	72-119	
1,2-Dichloropropane	ug/L	50	44.3	89	78-125	
1,3,5-Trimethylbenzene	ug/L	50	42.0	84	79-123	
1,3-Dichlorobenzene	ug/L	50	49.5	99	74-120	
1,3-Dichloropropane	ug/L	50	44.5	89	80-127	
1,4-Dichlorobenzene	ug/L	50	48.2	96	72-118	
2,2-Dichloropropane	ug/L	50	50.1	100	41-145	
2-Butanone (MEK)	ug/L	250	210	84	61-150	
2-Chlorotoluene	ug/L	50	39.5	79	77-119	
2-Hexanone	ug/L	250	162	65	67-141	L2
4-Chlorotoluene	ug/L	50	48.7	97	75-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	170	68	71-131	L2
Acetone	ug/L	250	197	79	39-166	
Acrolein	ug/L	1000	625	63	22-200	
Acrylonitrile	ug/L	200	161	81	62-130	
Benzene	ug/L	50	46.7	93	79-120	
Bromobenzene	ug/L	50	41.0	82	76-121	
Bromochloromethane	ug/L	50	38.7	77	69-136	
Bromodichloromethane	ug/L	50	47.3	95	76-125	
Bromoform	ug/L	50	54.0	108	69-119	
Bromomethane	ug/L	50	57.1	114	27-161	
Carbon disulfide	ug/L	50	44.8	90	60-130	
Carbon tetrachloride	ug/L	50	55.9	112	74-132	
Chlorobenzene	ug/L	50	49.6	99	77-116	
Chloroethane	ug/L	50	44.9	90	51-132	
Chloroform	ug/L	50	48.2	96	76-118	
Chloromethane	ug/L	50	31.0	62	46-126	
cis-1,2-Dichloroethene	ug/L	50	51.7	103	74-126	
cis-1,3-Dichloropropene	ug/L	50	44.8	90	78-125	
Dibromochloromethane	ug/L	50	56.9	114	80-123	
Dibromomethane	ug/L	50	52.3	105	75-124	
Dichlorodifluoromethane	ug/L	50	58.4	117	42-152	
Ethyl methacrylate	ug/L	200	172	86	75-136	
Ethylbenzene	ug/L	50	52.6	105	80-123	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	74-127	
Iodomethane	ug/L	100	134	134	43-156	
Isopropylbenzene (Cumene)	ug/L	50	49.6	99	80-122	
Methyl-tert-butyl ether	ug/L	50	44.7	89	63-131	
Methylene Chloride	ug/L	50	47.6	95	62-126	
n-Butylbenzene	ug/L	50	40.9	82	75-123	
n-Hexane	ug/L	50	43.8	88	66-129	
n-Propylbenzene	ug/L	50	40.4	81	79-128	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1851996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	44.5	89	66-130	
p-Isopropyltoluene	ug/L	50	45.8	92	79-124	
sec-Butylbenzene	ug/L	50	44.7	89	80-126	
Styrene	ug/L	50	50.5	101	81-125	
tert-Butylbenzene	ug/L	50	37.1	74	62-106	
Tetrachloroethene	ug/L	50	53.1	106	74-119	
Toluene	ug/L	50	46.7	93	77-117	
trans-1,2-Dichloroethene	ug/L	50	54.6	109	74-128	
trans-1,3-Dichloropropene	ug/L	50	44.2	88	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	158	79	42-134	
Trichloroethene	ug/L	50	53.6	107	75-119	
Trichlorofluoromethane	ug/L	50	55.4	111	57-152	
Vinyl acetate	ug/L	200	157	78	71-148	
Vinyl chloride	ug/L	50	45.5	91	62-137	
Xylene (Total)	ug/L	150	148	99	79-121	
4-Bromofluorobenzene (S)	%			93	84-113	
Dibromofluoromethane (S)	%			105	86-116	
Toluene-d8 (S)	%			90	86-111	

MATRIX SPIKE SAMPLE: 1851998

Parameter	Units	50177817008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	42.1	84	48-143	
1,1,1-Trichloroethane	ug/L	ND	50	45.2	88	52-142	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	30.2	60	48-143	
1,1,2-Trichloroethane	ug/L	ND	50	35.9	72	51-139	
1,1-Dichloroethane	ug/L	ND	50	35.7	71	53-139	
1,1-Dichloroethene	ug/L	ND	50	44.8	90	50-149	
1,1-Dichloropropene	ug/L	ND	50	40.1	80	52-145	
1,2,3-Trichlorobenzene	ug/L	ND	50	42.8	84	30-144	
1,2,3-Trichloropropane	ug/L	ND	50	37.8	76	49-149	
1,2,4-Trichlorobenzene	ug/L	ND	50	41.7	82	24-146	
1,2,4-Trimethylbenzene	ug/L	ND	50	36.2	72	33-150	
1,2-Dibromoethane (EDB)	ug/L	ND	50	40.9	82	54-141	
1,2-Dichlorobenzene	ug/L	ND	50	39.9	80	33-142	
1,2-Dichloroethane	ug/L	ND	50	33.9	68	47-138	
1,2-Dichloropropane	ug/L	ND	50	35.4	71	55-142	
1,3,5-Trimethylbenzene	ug/L	ND	50	35.3	71	31-150	
1,3-Dichlorobenzene	ug/L	ND	50	40.3	81	27-145	
1,3-Dichloropropane	ug/L	ND	50	34.7	69	55-145	
1,4-Dichlorobenzene	ug/L	ND	50	39.6	79	27-140	
2,2-Dichloropropane	ug/L	ND	50	37.8	76	23-144	
2-Butanone (MEK)	ug/L	ND	250	164	66	39-159	
2-Chlorotoluene	ug/L	ND	50	33.0	66	31-148	
2-Hexanone	ug/L	ND	250	132	53	47-151	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

MATRIX SPIKE SAMPLE:		1851998		50177817008		Spike		MS		MS		% Rec		Qualifiers	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits							
4-Chlorotoluene	ug/L	ND	50	40.0	80	30-148									
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	136	54	48-146									
Acetone	ug/L	ND	250	159	58	31-152									
Acrolein	ug/L	ND	1000	696	70	23-200									
Acrylonitrile	ug/L	ND	200	131	65	42-143									
Benzene	ug/L	ND	50	38.7	77	57-136									
Bromobenzene	ug/L	ND	50	33.2	66	45-138									
Bromochloromethane	ug/L	ND	50	31.8	64	50-145									
Bromodichloromethane	ug/L	ND	50	36.5	73	49-142									
Bromoform	ug/L	ND	50	39.5	79	39-131									
Bromomethane	ug/L	ND	50	28.3	57	10-162									
Carbon disulfide	ug/L	ND	50	39.1	78	34-142									
Carbon tetrachloride	ug/L	ND	50	47.7	95	47-150									
Chlorobenzene	ug/L	ND	50	40.4	81	42-138									
Chloroethane	ug/L	ND	50	41.2	82	34-148									
Chloroform	ug/L	ND	50	39.8	80	54-136									
Chloromethane	ug/L	ND	50	28.2	56	27-138									
cis-1,2-Dichloroethene	ug/L	ND	50	46.2	87	48-147									
cis-1,3-Dichloropropene	ug/L	ND	50	34.7	69	40-142									
Dibromochloromethane	ug/L	ND	50	42.6	85	46-143									
Dibromomethane	ug/L	ND	50	41.5	83	53-140									
Dichlorodifluoromethane	ug/L	ND	50	51.6	103	23-169									
Ethyl methacrylate	ug/L	ND	200	134	67	54-149									
Ethylbenzene	ug/L	ND	50	42.7	85	40-147									
Hexachloro-1,3-butadiene	ug/L	ND	50	47.3	86	19-156									
Iodomethane	ug/L	ND	100	49.4	49	13-136									
Isopropylbenzene (Cumene)	ug/L	ND	50	40.9	82	37-151									
Methyl-tert-butyl ether	ug/L	ND	50	34.8	70	46-147									
Methylene Chloride	ug/L	ND	50	36.2	72	40-138									
n-Butylbenzene	ug/L	ND	50	35.1	68	21-155									
n-Hexane	ug/L	ND	50	36.8	74	50-137									
n-Propylbenzene	ug/L	ND	50	33.8	68	29-158									
Naphthalene	ug/L	ND	50	35.5	71	43-139									
p-Isopropyltoluene	ug/L	ND	50	38.3	75	25-156									
sec-Butylbenzene	ug/L	ND	50	38.1	75	27-159									
Styrene	ug/L	ND	50	39.9	80	34-149									
tert-Butylbenzene	ug/L	ND	50	31.3	63	25-128									
Tetrachloroethene	ug/L	ND	50	43.9	88	37-144									
Toluene	ug/L	ND	50	37.9	76	46-137									
trans-1,2-Dichloroethene	ug/L	ND	50	48.0	94	51-145									
trans-1,3-Dichloropropene	ug/L	ND	50	33.2	66	41-143									
trans-1,4-Dichloro-2-butene	ug/L	ND	200	108	54	10-145									
Trichloroethene	ug/L	40.8	50	81.4	81	45-139									
Trichlorofluoromethane	ug/L	ND	50	51.2	102	42-164									
Vinyl acetate	ug/L	ND	200	106	53	10-149									
Vinyl chloride	ug/L	ND	50	40.3	81	43-154									
Xylene (Total)	ug/L	ND	150	121	81	37-146									

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

MATRIX SPIKE SAMPLE: 1851998		50177817008	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Bromofluorobenzene (S)	%.				93	84-113	
Dibromofluoromethane (S)	%.				106	86-116	
Toluene-d8 (S)	%.				90	86-111	

SAMPLE DUPLICATE: 1851997

Parameter	Units	50177817007	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	1.1J		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	5.5	5.4	3	20	
1,1-Dichloroethene	ug/L	ND	1.1J		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	5.3	5.2	2	20	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

SAMPLE DUPLICATE: 1851997

Parameter	Units	50177817007 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	27.1	26.4	3	20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	13.0	12.4	5	20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	4.3J		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	4.0	4.0	1	20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	91	90	1		
Dibromofluoromethane (S)	%	103	105	1		
Toluene-d8 (S)	%	93	93	0		

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

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QC Batch: 402349 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
 Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011

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METHOD BLANK: 1851999 Matrix: Water  
 Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/22/17 10:08	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/22/17 10:08	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/22/17 10:08	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/22/17 10:08	
1,1-Dichloroethane	ug/L	ND	5.0	08/22/17 10:08	
1,1-Dichloroethene	ug/L	ND	5.0	08/22/17 10:08	
1,1-Dichloropropene	ug/L	ND	5.0	08/22/17 10:08	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/22/17 10:08	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/22/17 10:08	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/22/17 10:08	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/22/17 10:08	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/22/17 10:08	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/22/17 10:08	
1,2-Dichloroethane	ug/L	ND	5.0	08/22/17 10:08	
1,2-Dichloropropane	ug/L	ND	5.0	08/22/17 10:08	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/22/17 10:08	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/22/17 10:08	
1,3-Dichloropropane	ug/L	ND	5.0	08/22/17 10:08	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/22/17 10:08	
2,2-Dichloropropane	ug/L	ND	5.0	08/22/17 10:08	
2-Butanone (MEK)	ug/L	ND	25.0	08/22/17 10:08	
2-Chlorotoluene	ug/L	ND	5.0	08/22/17 10:08	
2-Hexanone	ug/L	ND	25.0	08/22/17 10:08	
4-Chlorotoluene	ug/L	ND	5.0	08/22/17 10:08	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/22/17 10:08	
Acetone	ug/L	ND	100	08/22/17 10:08	
Acrolein	ug/L	ND	50.0	08/22/17 10:08	
Acrylonitrile	ug/L	ND	100	08/22/17 10:08	
Benzene	ug/L	ND	5.0	08/22/17 10:08	
Bromobenzene	ug/L	ND	5.0	08/22/17 10:08	
Bromochloromethane	ug/L	ND	5.0	08/22/17 10:08	
Bromodichloromethane	ug/L	ND	5.0	08/22/17 10:08	
Bromoform	ug/L	ND	5.0	08/22/17 10:08	
Bromomethane	ug/L	ND	5.0	08/22/17 10:08	
Carbon disulfide	ug/L	ND	10.0	08/22/17 10:08	
Carbon tetrachloride	ug/L	ND	5.0	08/22/17 10:08	
Chlorobenzene	ug/L	ND	5.0	08/22/17 10:08	
Chloroethane	ug/L	ND	5.0	08/22/17 10:08	
Chloroform	ug/L	ND	5.0	08/22/17 10:08	
Chloromethane	ug/L	ND	5.0	08/22/17 10:08	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

METHOD BLANK: 1851999

Matrix: Water

Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007, 50177969008, 50177969009, 50177969010, 50177969011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/22/17 10:08	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/22/17 10:08	
Dibromochloromethane	ug/L	ND	5.0	08/22/17 10:08	
Dibromomethane	ug/L	ND	5.0	08/22/17 10:08	
Dichlorodifluoromethane	ug/L	ND	5.0	08/22/17 10:08	
Ethyl methacrylate	ug/L	ND	100	08/22/17 10:08	
Ethylbenzene	ug/L	ND	5.0	08/22/17 10:08	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/22/17 10:08	
Iodomethane	ug/L	ND	10.0	08/22/17 10:08	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/22/17 10:08	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/22/17 10:08	
Methylene Chloride	ug/L	ND	5.0	08/22/17 10:08	
n-Butylbenzene	ug/L	ND	5.0	08/22/17 10:08	
n-Hexane	ug/L	ND	5.0	08/22/17 10:08	
n-Propylbenzene	ug/L	ND	5.0	08/22/17 10:08	
Naphthalene	ug/L	ND	5.0	08/22/17 10:08	
p-Isopropyltoluene	ug/L	ND	5.0	08/22/17 10:08	
sec-Butylbenzene	ug/L	ND	5.0	08/22/17 10:08	
Styrene	ug/L	ND	5.0	08/22/17 10:08	
tert-Butylbenzene	ug/L	ND	5.0	08/22/17 10:08	
Tetrachloroethene	ug/L	ND	5.0	08/22/17 10:08	
Toluene	ug/L	ND	5.0	08/22/17 10:08	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/22/17 10:08	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/22/17 10:08	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/22/17 10:08	
Trichloroethene	ug/L	ND	5.0	08/22/17 10:08	
Trichlorofluoromethane	ug/L	ND	5.0	08/22/17 10:08	
Vinyl acetate	ug/L	ND	50.0	08/22/17 10:08	
Vinyl chloride	ug/L	ND	2.0	08/22/17 10:08	
Xylene (Total)	ug/L	ND	10.0	08/22/17 10:08	
4-Bromofluorobenzene (S)	%	91	84-113	08/22/17 10:08	
Dibromofluoromethane (S)	%	103	86-116	08/22/17 10:08	
Toluene-d8 (S)	%	94	86-111	08/22/17 10:08	

LABORATORY CONTROL SAMPLE: 1852000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.7	111	80-123	
1,1,1-Trichloroethane	ug/L	50	52.8	106	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	39.6	79	74-124	
1,1,2-Trichloroethane	ug/L	50	48.2	96	79-121	
1,1-Dichloroethane	ug/L	50	42.1	84	77-122	
1,1-Dichloroethene	ug/L	50	54.3	109	70-131	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1852000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	49.4	99	79-124	
1,2,3-Trichlorobenzene	ug/L	50	56.2	112	70-129	
1,2,3-Trichloropropane	ug/L	50	51.3	103	79-128	
1,2,4-Trichlorobenzene	ug/L	50	54.0	108	69-129	
1,2,4-Trimethylbenzene	ug/L	50	45.2	90	76-125	
1,2-Dibromoethane (EDB)	ug/L	50	54.2	108	81-123	
1,2-Dichlorobenzene	ug/L	50	51.0	102	77-118	
1,2-Dichloroethane	ug/L	50	42.3	85	72-119	
1,2-Dichloropropane	ug/L	50	44.9	90	78-125	
1,3,5-Trimethylbenzene	ug/L	50	43.5	87	79-123	
1,3-Dichlorobenzene	ug/L	50	51.5	103	74-120	
1,3-Dichloropropane	ug/L	50	46.7	93	80-127	
1,4-Dichlorobenzene	ug/L	50	50.9	102	72-118	
2,2-Dichloropropane	ug/L	50	37.7	75	41-145	
2-Butanone (MEK)	ug/L	250	224	90	61-150	
2-Chlorotoluene	ug/L	50	40.8	82	77-119	
2-Hexanone	ug/L	250	173	69	67-141	
4-Chlorotoluene	ug/L	50	50.5	101	75-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	183	73	71-131	
Acetone	ug/L	250	195	78	39-166	
Acrolein	ug/L	1000	930	93	22-200	
Acrylonitrile	ug/L	200	170	85	62-130	
Benzene	ug/L	50	48.4	97	79-120	
Bromobenzene	ug/L	50	43.3	87	76-121	
Bromochloromethane	ug/L	50	39.5	79	69-136	
Bromodichloromethane	ug/L	50	48.7	97	76-125	
Bromoform	ug/L	50	53.0	106	69-119	
Bromomethane	ug/L	50	47.1	94	27-161	
Carbon disulfide	ug/L	50	44.5	89	60-130	
Carbon tetrachloride	ug/L	50	58.0	116	74-132	
Chlorobenzene	ug/L	50	51.7	103	77-116	
Chloroethane	ug/L	50	47.7	95	51-132	
Chloroform	ug/L	50	50.2	100	76-118	
Chloromethane	ug/L	50	35.0	70	46-126	
cis-1,2-Dichloroethene	ug/L	50	53.7	107	74-126	
cis-1,3-Dichloropropene	ug/L	50	42.8	86	78-125	
Dibromochloromethane	ug/L	50	57.7	115	80-123	
Dibromomethane	ug/L	50	55.1	110	75-124	
Dichlorodifluoromethane	ug/L	50	58.8	118	42-152	
Ethyl methacrylate	ug/L	200	183	92	75-136	
Ethylbenzene	ug/L	50	54.1	108	80-123	
Hexachloro-1,3-butadiene	ug/L	50	54.1	108	74-127	
Iodomethane	ug/L	100	95.9	96	43-156	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	80-122	
Methyl-tert-butyl ether	ug/L	50	47.6	95	63-131	
Methylene Chloride	ug/L	50	49.0	98	62-126	
n-Butylbenzene	ug/L	50	41.4	83	75-123	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1852000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	39.8	80	66-129	
n-Propylbenzene	ug/L	50	40.8	82	79-128	
Naphthalene	ug/L	50	47.9	96	66-130	
p-Isopropyltoluene	ug/L	50	47.3	95	79-124	
sec-Butylbenzene	ug/L	50	45.8	92	80-126	
Styrene	ug/L	50	52.3	105	81-125	
tert-Butylbenzene	ug/L	50	38.3	77	62-106	
Tetrachloroethene	ug/L	50	54.2	108	74-119	
Toluene	ug/L	50	47.9	96	77-117	
trans-1,2-Dichloroethene	ug/L	50	55.8	112	74-128	
trans-1,3-Dichloropropene	ug/L	50	42.7	85	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	139	70	42-134	
Trichloroethene	ug/L	50	55.6	111	75-119	
Trichlorofluoromethane	ug/L	50	59.1	118	57-152	
Vinyl acetate	ug/L	200	160	80	71-148	
Vinyl chloride	ug/L	50	46.6	93	62-137	
Xylene (Total)	ug/L	150	155	103	79-121	
4-Bromofluorobenzene (S)	%			93	84-113	
Dibromofluoromethane (S)	%			105	86-116	
Toluene-d8 (S)	%			91	86-111	

MATRIX SPIKE SAMPLE: 1852002

Parameter	Units	50177969011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	52.7	105	48-143	
1,1,1-Trichloroethane	ug/L	ND	50	53.1	106	52-142	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	35.8	72	48-143	
1,1,2-Trichloroethane	ug/L	ND	50	46.0	92	51-139	
1,1-Dichloroethane	ug/L	ND	50	44.8	88	53-139	
1,1-Dichloroethene	ug/L	ND	50	55.4	106	50-149	
1,1-Dichloropropene	ug/L	ND	50	51.1	102	52-145	
1,2,3-Trichlorobenzene	ug/L	ND	50	48.3	97	30-144	
1,2,3-Trichloropropane	ug/L	ND	50	45.6	91	49-149	
1,2,4-Trichlorobenzene	ug/L	ND	50	45.8	92	24-146	
1,2,4-Trimethylbenzene	ug/L	ND	50	43.2	86	33-150	
1,2-Dibromoethane (EDB)	ug/L	ND	50	49.9	100	54-141	
1,2-Dichlorobenzene	ug/L	ND	50	47.2	94	33-142	
1,2-Dichloroethane	ug/L	ND	50	41.3	83	47-138	
1,2-Dichloropropane	ug/L	ND	50	44.7	89	55-142	
1,3,5-Trimethylbenzene	ug/L	ND	50	41.0	82	31-150	
1,3-Dichlorobenzene	ug/L	ND	50	47.5	95	27-145	
1,3-Dichloropropane	ug/L	ND	50	43.1	86	55-145	
1,4-Dichlorobenzene	ug/L	ND	50	47.1	94	27-140	
2,2-Dichloropropane	ug/L	ND	50	32.8	66	23-144	
2-Butanone (MEK)	ug/L	ND	250	195	78	39-159	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

MATRIX SPIKE SAMPLE:		1852002		50177969011		Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Result	% Rec	Limits	Qualifiers	
2-Chlorotoluene	ug/L	ND	50	38.8	78			31-148		
2-Hexanone	ug/L	ND	250	158	63			47-151		
4-Chlorotoluene	ug/L	ND	50	48.0	96			30-148		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	165	66			48-146		
Acetone	ug/L	ND	250	186	69			31-152		
Acrolein	ug/L	ND	1000	638	64			23-200		
Acrylonitrile	ug/L	ND	200	153	77			42-143		
Benzene	ug/L	ND	50	47.8	96			57-136		
Bromobenzene	ug/L	ND	50	41.8	84			45-138		
Bromochloromethane	ug/L	ND	50	40.0	80			50-145		
Bromodichloromethane	ug/L	ND	50	46.4	93			49-142		
Bromoform	ug/L	ND	50	42.7	85			39-131		
Bromomethane	ug/L	ND	50	43.1	86			10-162		
Carbon disulfide	ug/L	ND	50	42.9	86			34-142		
Carbon tetrachloride	ug/L	ND	50	57.3	115			47-150		
Chlorobenzene	ug/L	ND	50	49.5	99			42-138		
Chloroethane	ug/L	ND	50	50.5	101			34-148		
Chloroform	ug/L	ND	50	50.1	100			54-136		
Chloromethane	ug/L	ND	50	39.5	79			27-138		
cis-1,2-Dichloroethene	ug/L	276	50	321	89			48-147		
cis-1,3-Dichloropropene	ug/L	ND	50	37.9	76			40-142		
Dibromochloromethane	ug/L	ND	50	51.6	103			46-143		
Dibromomethane	ug/L	ND	50	51.5	103			53-140		
Dichlorodifluoromethane	ug/L	ND	50	51.5	103			23-169		
Ethyl methacrylate	ug/L	ND	200	169	85			54-149		
Ethylbenzene	ug/L	ND	50	52.5	105			40-147		
Hexachloro-1,3-butadiene	ug/L	ND	50	45.1	90			19-156		
Iodomethane	ug/L	ND	100	97.0	97			13-136		
Isopropylbenzene (Cumene)	ug/L	ND	50	50.7	101			37-151		
Methyl-tert-butyl ether	ug/L	ND	50	42.9	86			46-147		
Methylene Chloride	ug/L	ND	50	42.2	84			40-138		
n-Butylbenzene	ug/L	ND	50	37.3	75			21-155		
n-Hexane	ug/L	ND	50	35.2	70			50-137		
n-Propylbenzene	ug/L	ND	50	38.5	77			29-158		
Naphthalene	ug/L	ND	50	41.2	82			43-139		
p-Isopropyltoluene	ug/L	ND	50	44.2	88			25-156		
sec-Butylbenzene	ug/L	ND	50	42.9	86			27-159		
Styrene	ug/L	ND	50	51.1	102			34-149		
tert-Butylbenzene	ug/L	ND	50	36.5	73			25-128		
Tetrachloroethene	ug/L	ND	50	51.9	104			37-144		
Toluene	ug/L	ND	50	46.1	92			46-137		
trans-1,2-Dichloroethene	ug/L	14.3	50	68.5	108			51-145		
trans-1,3-Dichloropropene	ug/L	ND	50	38.1	76			41-143		
trans-1,4-Dichloro-2-butene	ug/L	ND	200	91.4J	46			10-145		
Trichloroethene	ug/L	ND	50	56.9	107			45-139		
Trichlorofluoromethane	ug/L	ND	50	64.4	129			42-164		
Vinyl acetate	ug/L	ND	200	108	54			10-149		

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

MATRIX SPIKE SAMPLE: 1852002		50177969011	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Vinyl chloride	ug/L	100	50	145	90	43-154	
Xylene (Total)	ug/L	ND	150	151	100	37-146	
4-Bromofluorobenzene (S)	%				98	84-113	
Dibromofluoromethane (S)	%				102	86-116	
Toluene-d8 (S)	%				89	86-111	

SAMPLE DUPLICATE: 1852001

Parameter	Units	50177969010	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	98J		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

SAMPLE DUPLICATE: 1852001

Parameter	Units	50177969010 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	.9J		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	90	89	1		
Dibromofluoromethane (S)	%	105	103	2		
Toluene-d8 (S)	%	94	93	1		

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B  
Pace Project No.: 50177969

QC Batch: 402350 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 50177969012, 50177969013, 50177969014, 50177969015

METHOD BLANK: 1852003 Matrix: Water  
Associated Lab Samples: 50177969012, 50177969013, 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/22/17 10:24	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/22/17 10:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/22/17 10:24	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/22/17 10:24	
1,1-Dichloroethane	ug/L	ND	5.0	08/22/17 10:24	
1,1-Dichloroethene	ug/L	ND	5.0	08/22/17 10:24	
1,1-Dichloropropene	ug/L	ND	5.0	08/22/17 10:24	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/22/17 10:24	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/22/17 10:24	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/22/17 10:24	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/22/17 10:24	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/22/17 10:24	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/22/17 10:24	
1,2-Dichloroethane	ug/L	ND	5.0	08/22/17 10:24	
1,2-Dichloropropane	ug/L	ND	5.0	08/22/17 10:24	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/22/17 10:24	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/22/17 10:24	
1,3-Dichloropropane	ug/L	ND	5.0	08/22/17 10:24	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/22/17 10:24	
2,2-Dichloropropane	ug/L	ND	5.0	08/22/17 10:24	
2-Butanone (MEK)	ug/L	ND	25.0	08/22/17 10:24	
2-Chlorotoluene	ug/L	ND	5.0	08/22/17 10:24	
2-Hexanone	ug/L	ND	25.0	08/22/17 10:24	
4-Chlorotoluene	ug/L	ND	5.0	08/22/17 10:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/22/17 10:24	
Acetone	ug/L	ND	100	08/22/17 10:24	
Acrolein	ug/L	ND	50.0	08/22/17 10:24	
Acrylonitrile	ug/L	ND	100	08/22/17 10:24	
Benzene	ug/L	ND	5.0	08/22/17 10:24	
Bromobenzene	ug/L	ND	5.0	08/22/17 10:24	
Bromochloromethane	ug/L	ND	5.0	08/22/17 10:24	
Bromodichloromethane	ug/L	ND	5.0	08/22/17 10:24	
Bromoform	ug/L	ND	5.0	08/22/17 10:24	
Bromomethane	ug/L	ND	5.0	08/22/17 10:24	
Carbon disulfide	ug/L	ND	10.0	08/22/17 10:24	
Carbon tetrachloride	ug/L	ND	5.0	08/22/17 10:24	
Chlorobenzene	ug/L	ND	5.0	08/22/17 10:24	
Chloroethane	ug/L	ND	5.0	08/22/17 10:24	
Chloroform	ug/L	ND	5.0	08/22/17 10:24	
Chloromethane	ug/L	ND	5.0	08/22/17 10:24	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/22/17 10:24	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

METHOD BLANK: 1852003

Matrix: Water

Associated Lab Samples: 50177969012, 50177969013, 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/22/17 10:24	
Dibromochloromethane	ug/L	ND	5.0	08/22/17 10:24	
Dibromomethane	ug/L	ND	5.0	08/22/17 10:24	
Dichlorodifluoromethane	ug/L	ND	5.0	08/22/17 10:24	
Ethyl methacrylate	ug/L	ND	100	08/22/17 10:24	
Ethylbenzene	ug/L	ND	5.0	08/22/17 10:24	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/22/17 10:24	
Iodomethane	ug/L	ND	10.0	08/22/17 10:24	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/22/17 10:24	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/22/17 10:24	
Methylene Chloride	ug/L	ND	5.0	08/22/17 10:24	
n-Butylbenzene	ug/L	ND	5.0	08/22/17 10:24	
n-Hexane	ug/L	ND	5.0	08/22/17 10:24	
n-Propylbenzene	ug/L	ND	5.0	08/22/17 10:24	
Naphthalene	ug/L	ND	5.0	08/22/17 10:24	
p-Isopropyltoluene	ug/L	ND	5.0	08/22/17 10:24	
sec-Butylbenzene	ug/L	ND	5.0	08/22/17 10:24	
Styrene	ug/L	ND	5.0	08/22/17 10:24	
tert-Butylbenzene	ug/L	ND	5.0	08/22/17 10:24	
Tetrachloroethene	ug/L	ND	5.0	08/22/17 10:24	
Toluene	ug/L	ND	5.0	08/22/17 10:24	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/22/17 10:24	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/22/17 10:24	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/22/17 10:24	
Trichloroethene	ug/L	ND	5.0	08/22/17 10:24	
Trichlorofluoromethane	ug/L	ND	5.0	08/22/17 10:24	
Vinyl acetate	ug/L	ND	50.0	08/22/17 10:24	
Vinyl chloride	ug/L	ND	2.0	08/22/17 10:24	
Xylene (Total)	ug/L	ND	10.0	08/22/17 10:24	
4-Bromofluorobenzene (S)	%	89	84-113	08/22/17 10:24	
Dibromofluoromethane (S)	%	107	86-116	08/22/17 10:24	
Toluene-d8 (S)	%	91	86-111	08/22/17 10:24	

LABORATORY CONTROL SAMPLE: 1852004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.4	113	80-123	
1,1,1-Trichloroethane	ug/L	50	55.1	110	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	39.7	79	74-124	
1,1,2-Trichloroethane	ug/L	50	50.2	100	79-121	
1,1-Dichloroethane	ug/L	50	45.0	90	77-122	
1,1-Dichloroethene	ug/L	50	57.2	114	70-131	
1,1-Dichloropropene	ug/L	50	50.8	102	79-124	
1,2,3-Trichlorobenzene	ug/L	50	57.7	115	70-129	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1852004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	45.5	91	79-128	
1,2,4-Trichlorobenzene	ug/L	50	54.0	108	69-129	
1,2,4-Trimethylbenzene	ug/L	50	47.0	94	76-125	
1,2-Dibromoethane (EDB)	ug/L	50	55.7	111	81-123	
1,2-Dichlorobenzene	ug/L	50	54.6	109	77-118	
1,2-Dichloroethane	ug/L	50	44.2	88	72-119	
1,2-Dichloropropane	ug/L	50	46.6	93	78-125	
1,3,5-Trimethylbenzene	ug/L	50	46.2	92	79-123	
1,3-Dichlorobenzene	ug/L	50	54.5	109	74-120	
1,3-Dichloropropane	ug/L	50	46.7	93	80-127	
1,4-Dichlorobenzene	ug/L	50	52.1	104	72-118	
2,2-Dichloropropane	ug/L	50	39.2	78	41-145	
2-Butanone (MEK)	ug/L	250	226	90	61-150	
2-Chlorotoluene	ug/L	50	41.6	83	77-119	
2-Hexanone	ug/L	250	180	72	67-141	
4-Chlorotoluene	ug/L	50	53.6	107	75-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	181	72	71-131	
Acetone	ug/L	250	213	85	39-166	
Acrolein	ug/L	1000	1200	120	22-200	
Acrylonitrile	ug/L	200	180	90	62-130	
Benzene	ug/L	50	50.3	101	79-120	
Bromobenzene	ug/L	50	43.2	86	76-121	
Bromochloromethane	ug/L	50	40.9	82	69-136	
Bromodichloromethane	ug/L	50	52.3	105	76-125	
Bromoform	ug/L	50	56.1	112	69-119	
Bromomethane	ug/L	50	57.7	115	27-161	
Carbon disulfide	ug/L	50	46.6	93	60-130	
Carbon tetrachloride	ug/L	50	59.9	120	74-132	
Chlorobenzene	ug/L	50	53.5	107	77-116	
Chloroethane	ug/L	50	51.3	103	51-132	
Chloroform	ug/L	50	52.0	104	76-118	
Chloromethane	ug/L	50	37.3	75	46-126	
cis-1,2-Dichloroethene	ug/L	50	56.9	114	74-126	
cis-1,3-Dichloropropene	ug/L	50	44.4	89	78-125	
Dibromochloromethane	ug/L	50	58.0	116	80-123	
Dibromomethane	ug/L	50	53.9	108	75-124	
Dichlorodifluoromethane	ug/L	50	57.0	114	42-152	
Ethyl methacrylate	ug/L	200	184	92	75-136	
Ethylbenzene	ug/L	50	56.1	112	80-123	
Hexachloro-1,3-butadiene	ug/L	50	53.9	108	74-127	
Iodomethane	ug/L	100	134	134	43-156	
Isopropylbenzene (Cumene)	ug/L	50	53.7	107	80-122	
Methyl-tert-butyl ether	ug/L	50	48.3	97	63-131	
Methylene Chloride	ug/L	50	51.9	104	62-126	
n-Butylbenzene	ug/L	50	41.8	84	75-123	
n-Hexane	ug/L	50	42.6	85	66-129	
n-Propylbenzene	ug/L	50	43.2	86	79-128	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1852004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	48.6	97	66-130	
p-Isopropyltoluene	ug/L	50	47.8	96	79-124	
sec-Butylbenzene	ug/L	50	47.7	95	80-126	
Styrene	ug/L	50	53.6	107	81-125	
tert-Butylbenzene	ug/L	50	40.7	81	62-106	
Tetrachloroethene	ug/L	50	48.4	97	74-119	
Toluene	ug/L	50	48.5	97	77-117	
trans-1,2-Dichloroethene	ug/L	50	58.2	116	74-128	
trans-1,3-Dichloropropene	ug/L	50	44.1	88	75-132	
trans-1,4-Dichloro-2-butene	ug/L	200	149	75	42-134	
Trichloroethene	ug/L	50	57.8	116	75-119	
Trichlorofluoromethane	ug/L	50	60.8	122	57-152	
Vinyl acetate	ug/L	200	167	84	71-148	
Vinyl chloride	ug/L	50	47.2	94	62-137	
Xylene (Total)	ug/L	150	159	106	79-121	
4-Bromofluorobenzene (S)	%			92	84-113	
Dibromofluoromethane (S)	%			107	86-116	
Toluene-d8 (S)	%			89	86-111	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

QC Batch: 402013 Analysis Method: EPA 8270 by SIM LVE  
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV  
 Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007,  
 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013

METHOD BLANK: 1850303 Matrix: Water  
 Associated Lab Samples: 50177969001, 50177969002, 50177969003, 50177969004, 50177969005, 50177969006, 50177969007,  
 50177969008, 50177969009, 50177969010, 50177969011, 50177969012, 50177969013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	08/22/17 14:09	N2
2-Methylnaphthalene	ug/L	ND	1.0	08/22/17 14:09	
Acenaphthene	ug/L	ND	1.0	08/22/17 14:09	
Acenaphthylene	ug/L	ND	1.0	08/22/17 14:09	
Anthracene	ug/L	ND	0.10	08/22/17 14:09	
Benzo(a)anthracene	ug/L	ND	0.10	08/22/17 14:09	
Benzo(a)pyrene	ug/L	ND	0.10	08/22/17 14:09	
Benzo(b)fluoranthene	ug/L	ND	0.10	08/22/17 14:09	
Benzo(g,h,i)perylene	ug/L	ND	0.10	08/22/17 14:09	
Benzo(k)fluoranthene	ug/L	ND	0.10	08/22/17 14:09	
Chrysene	ug/L	ND	0.50	08/22/17 14:09	
Dibenz(a,h)anthracene	ug/L	ND	0.10	08/22/17 14:09	
Fluoranthene	ug/L	ND	1.0	08/22/17 14:09	
Fluorene	ug/L	ND	1.0	08/22/17 14:09	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	08/22/17 14:09	
Naphthalene	ug/L	ND	1.0	08/22/17 14:09	
Phenanthrene	ug/L	ND	1.0	08/22/17 14:09	
Pyrene	ug/L	ND	1.0	08/22/17 14:09	
2-Fluorobiphenyl (S)	%	64	15-87	08/22/17 14:09	
p-Terphenyl-d14 (S)	%	115	10-116	08/22/17 14:09	

LABORATORY CONTROL SAMPLE: 1850304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	4.9	49	26-112	N2
2-Methylnaphthalene	ug/L	10	4.2	42	24-106	
Acenaphthene	ug/L	10	5.2	52	34-119	
Acenaphthylene	ug/L	10	5.7	57	37-122	
Anthracene	ug/L	10	9.0	90	44-134	
Benzo(a)anthracene	ug/L	10	11.7	117	43-141	
Benzo(a)pyrene	ug/L	10	13.8	138	38-153	
Benzo(b)fluoranthene	ug/L	10	14.2	142	38-160	
Benzo(g,h,i)perylene	ug/L	10	13.5	135	29-149	
Benzo(k)fluoranthene	ug/L	10	13.4	134	35-153	
Chrysene	ug/L	10	12.6	126	42-141	
Dibenz(a,h)anthracene	ug/L	10	13.9	139	24-156	
Fluoranthene	ug/L	10	11.6	116	45-144	
Fluorene	ug/L	10	6.4	64	41-134	

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

LABORATORY CONTROL SAMPLE: 1850304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	10	13.8	138	28-153	
Naphthalene	ug/L	10	5.4	54	25-101	
Phenanthrene	ug/L	10	7.8	78	43-132	
Pyrene	ug/L	10	10.8	108	43-136	
2-Fluorobiphenyl (S)	%			57	15-87	
p-Terphenyl-d14 (S)	%			88	10-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1850305 1850306

Parameter	Units	50177955002		1850305		1850306		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1-Methylnaphthalene	ug/L	ND	10	10	6.0	6.0	60	60	60	18-118	1	20	N2	
2-Methylnaphthalene	ug/L	ND	10	10	5.3	5.3	53	53	53	11-120	1	20		
Acenaphthene	ug/L	ND	10	10	6.2	6.3	62	63	62	25-117	1	20		
Acenaphthylene	ug/L	ND	10	10	6.5	6.5	65	65	65	28-120	0	20		
Anthracene	ug/L	ND	10	10	9.3	9.6	93	96	93	25-135	4	20		
Benzo(a)anthracene	ug/L	ND	10	10	8.7	9.2	87	92	87	11-122	6	20		
Benzo(a)pyrene	ug/L	ND	10	10	8.4	8.7	84	87	84	10-109	4	20		
Benzo(b)fluoranthene	ug/L	ND	10	10	8.4	8.9	84	89	84	10-118	5	20		
Benzo(g,h,i)perylene	ug/L	ND	10	10	7.8	7.8	78	78	78	10-90	1	20		
Benzo(k)fluoranthene	ug/L	ND	10	10	8.6	8.7	86	87	86	10-111	2	20		
Chrysene	ug/L	ND	10	10	9.5	9.8	95	98	95	10-123	3	20		
Dibenz(a,h)anthracene	ug/L	ND	10	10	8.3	8.3	83	83	83	10-95	1	20		
Fluoranthene	ug/L	ND	10	10	8.5	10.3	85	103	85	28-135	19	20		
Fluorene	ug/L	ND	10	10	7.2	7.3	72	73	72	28-131	2	20		
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	8.1	8.0	81	80	81	10-94	1	20		
Naphthalene	ug/L	ND	10	10	6.0	5.9	60	59	60	13-117	0	20		
Phenanthrene	ug/L	ND	10	10	7.7	8.4	77	84	77	28-130	8	20		
Pyrene	ug/L	ND	10	10	8.7	9.8	87	98	87	24-131	11	20		
2-Fluorobiphenyl (S)	%						55	58	55	15-87				
p-Terphenyl-d14 (S)	%						90	95	90	10-116				

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

QC Batch: 402127 Analysis Method: EPA 8270 by SIM LVE  
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV  
 Associated Lab Samples: 50177969014, 50177969015

METHOD BLANK: 1851094 Matrix: Water

Associated Lab Samples: 50177969014, 50177969015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	08/21/17 18:59	N2
2-Methylnaphthalene	ug/L	ND	1.0	08/21/17 18:59	
Acenaphthene	ug/L	ND	1.0	08/21/17 18:59	
Acenaphthylene	ug/L	ND	1.0	08/21/17 18:59	
Anthracene	ug/L	ND	0.10	08/21/17 18:59	
Benzo(a)anthracene	ug/L	ND	0.10	08/21/17 18:59	
Benzo(a)pyrene	ug/L	ND	0.10	08/21/17 18:59	
Benzo(b)fluoranthene	ug/L	ND	0.10	08/21/17 18:59	
Benzo(g,h,i)perylene	ug/L	ND	0.10	08/21/17 18:59	
Benzo(k)fluoranthene	ug/L	ND	0.10	08/21/17 18:59	
Chrysene	ug/L	ND	0.50	08/21/17 18:59	
Dibenz(a,h)anthracene	ug/L	ND	0.10	08/21/17 18:59	
Fluoranthene	ug/L	ND	1.0	08/21/17 18:59	
Fluorene	ug/L	ND	1.0	08/21/17 18:59	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	08/21/17 18:59	
Naphthalene	ug/L	ND	1.0	08/21/17 18:59	
Phenanthrene	ug/L	ND	1.0	08/21/17 18:59	
Pyrene	ug/L	ND	1.0	08/21/17 18:59	
2-Fluorobiphenyl (S)	%	48	15-87	08/21/17 18:59	
p-Terphenyl-d14 (S)	%	81	10-116	08/21/17 18:59	

LABORATORY CONTROL SAMPLE: 1851095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	7.5	75	26-112	N2
2-Methylnaphthalene	ug/L	10	6.5	65	24-106	
Acenaphthene	ug/L	10	8.1	81	34-119	
Acenaphthylene	ug/L	10	7.8	78	37-122	
Anthracene	ug/L	10	9.9	99	44-134	
Benzo(a)anthracene	ug/L	10	9.2	92	43-141	
Benzo(a)pyrene	ug/L	10	9.2	92	38-153	
Benzo(b)fluoranthene	ug/L	10	9.6	96	38-160	
Benzo(g,h,i)perylene	ug/L	10	8.0	80	29-149	
Benzo(k)fluoranthene	ug/L	10	9.0	90	35-153	
Chrysene	ug/L	10	9.0	90	42-141	
Dibenz(a,h)anthracene	ug/L	10	7.8	78	24-156	
Fluoranthene	ug/L	10	9.1	91	45-144	
Fluorene	ug/L	10	8.9	89	41-134	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.3	83	28-153	
Naphthalene	ug/L	10	7.0	70	25-101	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: Former RCA Parcel B

Pace Project No.: 50177969

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LABORATORY CONTROL SAMPLE: 1851095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	9.4	94	43-132	
Pyrene	ug/L	10	10.3	103	43-136	
2-Fluorobiphenyl (S)	%.			54	15-87	
p-Terphenyl-d14 (S)	%.			79	10-116	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: Former RCA Parcel B  
Pace Project No.: 50177969

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

### BATCH QUALIFIERS

Batch: 402127

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

C0 Result confirmed by second analysis.  
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.  
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.  
N2 The lab does not hold NELAC/TNI accreditation for this parameter.  
P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Parcel B

Pace Project No.: 50177969

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177969001	RB-GW-SB-21	EPA 3010	401911	EPA 6010	403249
50177969002	RB-GW-SB-22	EPA 3010	401911	EPA 6010	403249
50177969003	RB-GW-SB-23	EPA 3010	401911	EPA 6010	403249
50177969004	RB-GW-SB-FD-5	EPA 3010	401911	EPA 6010	403249
50177969005	RB-GW-SB-24	EPA 3010	401911	EPA 6010	403249
50177969006	RB-GW-SB-25	EPA 3010	401911	EPA 6010	403249
50177969007	RB-GW-SB-26	EPA 3010	401911	EPA 6010	403249
50177969008	RB-GW-SB-27	EPA 3010	401911	EPA 6010	403249
50177969009	RB-GW-SB-28	EPA 3010	401911	EPA 6010	403249
50177969010	RB-GW-SB-29	EPA 3010	401911	EPA 6010	403249
50177969011	RB-GW-SB-30	EPA 3010	401911	EPA 6010	403249
50177969012	RB-GW-SB-31	EPA 3010	401911	EPA 6010	403249
50177969013	RB-GW-SB-32	EPA 3010	401911	EPA 6010	403249
50177969014	RB-GW-SB-33	EPA 3010	401911	EPA 6010	403249
50177969015	RB-GW-SB-34	EPA 3010	401911	EPA 6010	403249
50177969001	RB-GW-SB-21	EPA 3010	402417	EPA 6010	402728
50177969002	RB-GW-SB-22	EPA 3010	402417	EPA 6010	402728
50177969003	RB-GW-SB-23	EPA 3010	402417	EPA 6010	402728
50177969004	RB-GW-SB-FD-5	EPA 3010	402417	EPA 6010	402728
50177969005	RB-GW-SB-24	EPA 3010	402417	EPA 6010	402728
50177969006	RB-GW-SB-25	EPA 3010	402417	EPA 6010	402728
50177969007	RB-GW-SB-26	EPA 3010	402417	EPA 6010	402728
50177969008	RB-GW-SB-27	EPA 3010	402417	EPA 6010	402728
50177969009	RB-GW-SB-28	EPA 3010	402417	EPA 6010	402728
50177969010	RB-GW-SB-29	EPA 3010	402417	EPA 6010	402728
50177969011	RB-GW-SB-30	EPA 3010	402417	EPA 6010	402728
50177969012	RB-GW-SB-31	EPA 3010	402417	EPA 6010	402728
50177969013	RB-GW-SB-32	EPA 3010	402417	EPA 6010	402728
50177969014	RB-GW-SB-33	EPA 3010	402417	EPA 6010	402728
50177969015	RB-GW-SB-34	EPA 3010	402417	EPA 6010	402728
50177969001	RB-GW-SB-21	EPA 7470	402134	EPA 7470	402321
50177969002	RB-GW-SB-22	EPA 7470	402134	EPA 7470	402321
50177969003	RB-GW-SB-23	EPA 7470	402134	EPA 7470	402321
50177969004	RB-GW-SB-FD-5	EPA 7470	402134	EPA 7470	402321
50177969005	RB-GW-SB-24	EPA 7470	402134	EPA 7470	402321
50177969006	RB-GW-SB-25	EPA 7470	402134	EPA 7470	402321
50177969007	RB-GW-SB-26	EPA 7470	402134	EPA 7470	402321
50177969008	RB-GW-SB-27	EPA 7470	402134	EPA 7470	402321
50177969009	RB-GW-SB-28	EPA 7470	402134	EPA 7470	402321
50177969010	RB-GW-SB-29	EPA 7470	402134	EPA 7470	402321
50177969011	RB-GW-SB-30	EPA 7470	402134	EPA 7470	402321
50177969012	RB-GW-SB-31	EPA 7470	402134	EPA 7470	402321
50177969013	RB-GW-SB-32	EPA 7470	402134	EPA 7470	402321
50177969014	RB-GW-SB-33	EPA 7470	402134	EPA 7470	402321
50177969015	RB-GW-SB-34	EPA 7470	402134	EPA 7470	402321
50177969001	RB-GW-SB-21	EPA 7470	402736	EPA 7470	403161
50177969002	RB-GW-SB-22	EPA 7470	402736	EPA 7470	403161

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former RCA Parcel B  
Pace Project No.: 50177969

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50177969003	RB-GW-SB-23	EPA 7470	402736	EPA 7470	403161
50177969004	RB-GW-SB-FD-5	EPA 7470	402736	EPA 7470	403161
50177969005	RB-GW-SB-24	EPA 7470	402736	EPA 7470	403161
50177969006	RB-GW-SB-25	EPA 7470	402736	EPA 7470	403161
50177969007	RB-GW-SB-26	EPA 7470	402736	EPA 7470	403161
50177969008	RB-GW-SB-27	EPA 7470	402736	EPA 7470	403161
50177969009	RB-GW-SB-28	EPA 7470	402736	EPA 7470	403161
50177969010	RB-GW-SB-29	EPA 7470	402736	EPA 7470	403161
50177969011	RB-GW-SB-30	EPA 7470	402736	EPA 7470	403161
50177969012	RB-GW-SB-31	EPA 7470	402736	EPA 7470	403161
50177969013	RB-GW-SB-32	EPA 7470	402736	EPA 7470	403161
50177969014	RB-GW-SB-33	EPA 7470	402736	EPA 7470	403161
50177969015	RB-GW-SB-34	EPA 7470	402736	EPA 7470	403161
50177969001	RB-GW-SB-21	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969002	RB-GW-SB-22	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969003	RB-GW-SB-23	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969004	RB-GW-SB-FD-5	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969005	RB-GW-SB-24	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969006	RB-GW-SB-25	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969007	RB-GW-SB-26	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969008	RB-GW-SB-27	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969009	RB-GW-SB-28	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969010	RB-GW-SB-29	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969011	RB-GW-SB-30	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969012	RB-GW-SB-31	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969013	RB-GW-SB-32	EPA 3510	402013	EPA 8270 by SIM LVE	402269
50177969014	RB-GW-SB-33	EPA 3510	402127	EPA 8270 by SIM LVE	402267
50177969015	RB-GW-SB-34	EPA 3510	402127	EPA 8270 by SIM LVE	402267
50177969001	RB-GW-SB-21	EPA 8260	402349		
50177969002	RB-GW-SB-22	EPA 8260	402349		
50177969003	RB-GW-SB-23	EPA 8260	402349		
50177969004	RB-GW-SB-FD-5	EPA 8260	402349		
50177969005	RB-GW-SB-24	EPA 8260	402349		
50177969006	RB-GW-SB-25	EPA 8260	402349		
50177969007	RB-GW-SB-26	EPA 8260	402349		
50177969008	RB-GW-SB-27	EPA 8260	402349		
50177969009	RB-GW-SB-28	EPA 8260	402349		
50177969010	RB-GW-SB-29	EPA 8260	402349		
50177969011	RB-GW-SB-30	EPA 8260	402349		
50177969012	RB-GW-SB-31	EPA 8260	402350		
50177969013	RB-GW-SB-32	EPA 8260	402350		
50177969014	RB-GW-SB-33	EPA 8260	402350		
50177969015	RB-GW-SB-34	EPA 8260	402350		
50177969016	RB-GW-Trip Blank	EPA 8260	402348		

### REPORT OF LABORATORY ANALYSIS

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**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information: Company: Heartland Environmental Report To: Ryan Orzechowicz  
Address: 3740 Nishnawbe Ave Copy To:  
South Bend, IN 46615  
Phone: 574-289-1491 Fax: 574-289-1480 Purchase Order No.:  
Requested Due Date/TAT: 5/14-28/140  
**Section B** Required Project Information: Project Name: From RCA Parcel B  
Project Number: 5145-17-05.103  
**Section C** Invoice Information: Attention: Company Name: Address: Pace Quote Reference: Pace Project Manager: Pace Profile #:  
REGULATORY AGENCY: IN  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER  
Site Location: IN STATE: IN

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB				DATE	TIME	DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>			
1	RB-GW-SB-21	DW			G	WT	7									001	
2	RB-GW-SB-22	WT					7									002	
3	RB-GW-SB-23	WW					7									003	
4	RB-GW-SB-FD-5	P					7									004	
5	RB-GW-SB-24	SL					7									005	
6	RB-GW-SB-25	OL					7									006	
7	RB-GW-SB-26	WP					7									007	
8	RB-GW-SB-27	AR					7									008	
9	RB-GW-SB-28	TS					7									009	
10	RB-GW-SB-29	OT					7									010	
11	RB-GW-SB-30						7									011	
12	RB-GW-SB-31						7									012	

Residual Chlorine (Y/N)

Temp In °CReceived on \_\_\_\_\_  
Sealed Cooler (Y/N)  
Custody \_\_\_\_\_  
Samples Intact (Y/N)

DATE SIGNED: 8-17-17  
SIGNATURE OF SAMPLER: David Nye  
PRINT Name of SAMPLER: David Nye  
DATE SIGNED (MM/DD/YYYY): 8-17-17

RELINQUISHED BY / AFFILIATION: David Nye/Heartland Env 8-17-17 1506 TIME: 1506  
ACCEPTED BY / AFFILIATION: [Signature] TIME: 1506

RECEIVED BY / AFFILIATION: [Signature] TIME: 1506  
DATE: 8/17/17

ADDITIONAL COMMENTS: SEE SER

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information: Company: Heartland Environmental Report: Ryan Orzechowicz  
 Address: 3710 Mishawaka Ave Copy To: South Bend, IN 46615  
 Phone: 574-289-1191 Fax: 574-289-7480 Project Name: RCA Parcel B  
 Requested Due Date/TAT: 5/14/17 Project Number: 5145-17-05:03

**Section B** Required Project Information: Invoice Information: Attention: Ryan Orzechowicz  
 Company Name: Heartland Environmental  
 Address: 3710 Mishawaka Ave  
 Pace Quote Reference: 574-289-1191  
 Pace Project Manager: Ryan Orzechowicz  
 Pace Profile #:

**Section C** Regulatory Agency: IND  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER  
 Site Location: IND STATE: IN

Page: 2 of 2  
 2194315

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB					DATE	TIME	DATE	TIME	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>			
1	RB-GW-SB-32	Drinking Water			WTC			7								013	
2	RB-GW-SB-33	Waste Water					1200	7								014	
3	RB-GW-SB-34	Product					1315	7								015	
4	RB-GW-Trip Blank	Soil/Solid					8-14-17	3								016	

Relinquished By / Affiliation: David Nye/Heartland Date: 8-17-17 Time: 1501  
 Accepted By / Affiliation: David Nye Date: 8/17/17 Time: 1506  
 Additional Comments: SEE SIGN

Temp in °C: \_\_\_\_\_  
 Received on: \_\_\_\_\_  
 Custody Sealed Cooler (Y/N): \_\_\_\_\_  
 Samples Intact (Y/N): \_\_\_\_\_

Print Name of Sampler: David Nye Date Signed: \_\_\_\_\_  
 Signature of Sampler: David Nye (MM/DD/YYYY)

ORIGINAL

**Sample Condition Upon Receipt**



Project # 50177969

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer 1 2 3 4 5 6 A B C D E F Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 4.9°C / 4.9°C Ice Visible in Sample Containers:  yes  no  
 (Initial/Corrected) Temp should be above freezing to 6°C

Date/Time and Initials of person examining contents: 8/17/17 1641 KAR

Comments

Are samples from West Virginia? Document any containers out of temp.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1.	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4.	Date/Time 5035A T/C placed in Freezer: _____ Short Holds Taken to Lab: _____
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5.	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.	
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.	
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	(Circle) <u>NO3</u> H2SO4 NaOH NaOH/ZnAc
Residual Chlorine Check (SVOC 625 Pest/PCB 608)		9.	Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)		10.	Present Absent
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.	
Headspace Wisconsin Sulfide	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		13.	

**Client Notification/ Resolution:**

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# Sample Container Count

CLIENT: Heartland Env.

COC PAGE 1 of 2  
 COC ID# 2199313

Project # 5017969

Matrix SIM/VNAL  
 (Soil/Water/Non-  
 Aqueous Liquid)

Bulk  
 SB  
 DI

Sample Line Item	AG00	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3B	BP1U	SP5T	AG2U	pH <2	pH >9	pH >12	
1	3					1									wt			
2						1												
3						1												
4						1												
5						1												
6						1												
7						1												
8						1												
9						1												
10						1												
11						1												
12	3					1									wt			

Container Codes	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
DG9H	40mL HCL amber vial		BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
AG1U	1 liter unpreserved amber glass		BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
WGFU	4oz clear soil jar		BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
R. terra core kit			BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2N	500mL HNO3 plastic		BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2U	500mL unpreserved plastic		BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP2S	500mL H2SO4 plastic		AF	Air Filter	VG9H	40mL HCL clear vial
BP3N	250mL HNO3 plastic		BP3B	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3U	250mL unpreserved plastic		BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
BP3S	250mL H2SO4 plastic		C	Air Cassettes	VSG	Headspace septa vial & HCL
AG3S	250mL H2SO4 glass amber		DG9B	40mL Na Bisulfate amber vial	WGFJ	4oz wide jar w/hexane wipe
AG1S	1 liter H2SO4 amber glass		DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag
BP1U	1 liter unpreserved plastic					

Sample Container Count

CLIENT: Heartland

COC PAGE 2 of 2  
COC ID# 2194313

Project # 50177962

SB  
BULK #

Sample Line Item AG1U WGFU AG0U R BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H BP3B BP1U SP5T AG2U

1	3						1											wt ✓	pH <2	pH >9	pH >12
2	3						1											wt ✓			
3	3						1											wt ✓			
4	5																				
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	SP5T	120mL Coliform Na Thiosulfate
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3B	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFU	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag