



**PHASE II
LIMITED SUBSURFACE INVESTIGATION**

FORMER JASPER POWER PLANT

**1163 EAST 15TH STREET
JASPER, INDIANA 47547**

CARDNO ATC PROJECT No. 170IN1503H

May 18, 2015

Prepared by:

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Prepared for:

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May 18, 2015

Indiana 15 Regional Planning Commission
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Subject: Phase II Limited Subsurface Investigation

1163 East 15th Street
Jasper, Indiana 47547
Cardno ATC Project No.: 170IN1503H

Dear Mr. Englert:

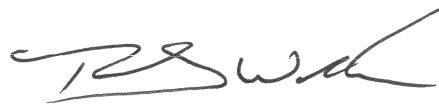
Cardno ATC is pleased to provide the Indiana 15 Regional Planning Commission with this report documenting a Phase II Limited Subsurface Investigation (LSI) that was conducted at the Former Jasper Power Plant located at 1163 East 15th Street, Jasper, Indiana 47547. The work performed, findings and conclusions of the LSI are provided in this submittal.

If you should have any additional questions about this project, please contact either of the undersigned Cardno ATC representatives.

Sincerely,



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Enc: Phase II Limited Subsurface Investigation

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1 Introduction

Cardno ATC was retained by the Indiana 15 Regional Planning Commission to perform a Phase II Limited Subsurface Investigation (LSI) at the Former Jasper Power Plant located at 1163 East 15th Street in Jasper, Dubois County, Indiana, herein referred to as the Site. A *Vicinity Map* depicting the Site location is included as **Figure 1**. Discussion of the work performed and finding as provided in this submittal.

1.1 Background Information

The Site operated as a power plant from 1968 to the shut-down period from 2008 to 2013. Coal ash lagoons were located on the northeast corner of the Site, and were removed from the Site in the 1970s. The Site is now unoccupied except for periodic maintenance staff.

Based on Cardno ATC's Phase I Environmental Site Assessment (ESA), dated December 9, 2014, the following *recognized environmental conditions* in connection with the Site were identified:

- Past industrial use and former coal ash lagoons were observed on the Site.
- Past uses associated with the power plant and lack of sampling.
- Past violations of hazardous wastes were noted on the northwest adjacent facilities up gradient of the Site.
- Black staining and stressed vegetation observed on the northeast corner of the Site and near the on-site drains and a sump.
- Black staining was observed around a "coal collection pit" to the east of the plant.

1.2 Phase II Limited Subsurface Investigation Summary

This investigation was performed at the Site in order to investigate the soil and groundwater quality near the *recognized environmental conditions* identified in the Phase I ESA. The LSI included the collection of thirty-four soil samples from seventeen soil borings on the Site. Fourteen of the seventeen soil borings were then converted into temporary monitoring wells in order to facilitate groundwater sampling. A total of ten groundwater samples were collected from the temporary wells at the Site. A Site Plan showing the surface structures and soil boring locations is presented as **Figure 2**.

2 Site Characteristics

2.1 Site Description

The Site address is 1163 East 15th Street in Jasper, Dubois County, Indiana. The Site consists of an inactive coal power plant. Plant staff does occupy the Site to assist with general upkeep and security purposes. The plant facility is located on the northwest corner of the Site. A maintenance shop is located southeast of the plant with a cooling tower structure also located southeast of the plant. A storage shed is located north of the cooling tower and is used to store wastewater treatment chemicals for past plant operations. A storage building containing equipment and supplies is located on the southwest corner of the Site. A mobile shed is located west of the maintenance shop and is used to store lawn equipment and fuel. Empty concrete storage bins were observed on the northeast part of the Site. The bins were once used to store coal during past plant operations. The bins are now used in the winter for salt and sand storage by the City. A gravel lay-down lot is located south of the plant for storage of utility poles by the City. Grass and wooded areas make up the south and east portions of the Site.

2.2 Hydrogeologic Setting

Late Mississippian to early Pennsylvanian age loess forms the unconsolidated material below the Site. The unconsolidated material has a thickness of approximately 50 to 100 feet. Pennsylvanian age shale and sandstone of the Raccoon Creek Group forms the bedrock below the Site. Interbedded limestone, clay, and coal are common lithologies in this formation. The surface of the bedrock has an elevation of approximately 400 feet above MSL. Regionally, the bedrock surface dips to the southeast at the Site.

Runoff at the Site is controlled by infiltration into the ground surface and overland flow. The Patoka River drains the Site. The river generally runs parallel approximately 160 to 500 feet from the southeast property line. The river flows from northeast to southwest in the Site area. Regional groundwater flow direction is generally influenced by major hydrogeologic features such as a river or lake. Surface and/or bedrock topography may also influence regional groundwater flow direction. The available hydrogeologic information indicates that local groundwater flow is southeast. Regional groundwater flow is considered to be southeast toward the Patoka River.

3 Site Characteristics

3.1 Geoprobe® Drilling Activities

Prior to initiating the investigation activities at the Site, Cardno ATC contacted the Indiana Underground Plant Protection Service (IUPPS) to request identification of the underground utilities within the public right-of-way boundaries. A survey for private utilities was also conducted at the Site by American Locating Service, Inc. to clear proposed soil boring location across the Site.

To evaluate the soil and groundwater quality beneath the Site, seventeen soil borings were advanced on the Site from March 24 -March 25, 2015. The soil boring locations, as illustrated on **Figure 2**, are summarized below:

- Soil boring B-1 was advanced south of the main plant structure near a storage shed used to store fuel and chemicals.
- Soil borings B-2 was advanced south of the maintenance shop.
- Soil boring B-3 was advanced near the observed stained pit near the maintenance shop.
- Soil borings B-4, B-5, and B-17 were advanced on the north side of the main plant structure to access any potential environmental impact from the “coal collection pit” and the coal transfer room, and from past operations of the northwest adjacent facility.
- Soil boring B-6 was advanced in the gravel “laydown area.”
- Soil borings B-7 and B-8 were advanced near the storage building located along the south property boundary of the Site.
- Soil borings B-9 and B-10 were advanced to the east of the cooling tower near the location of the former ash lagoon and coal pile.
- Soil borings B-11, B-12, B-13, B-14, B-15, and B-16 were advanced on the northeast portion of the Site to access any environmental impact from the former ash lagoons and stained areas.

Soil borings were advanced using a stainless steel hand auger to a depths ranging from two to five feet (ft) below ground surface (bgs). The soil borings were then extended to depths ranging from 6 to 16.5 ft-bgs using a track-mounted Geoprobe® drill rig. Soil borings B-1 through B-11, B-13, B-14, and B-16 were then converted into temporary wells for the collection of groundwater samples. Non-disposable sampling equipment was decontaminated between each sample interval using a non-phosphate detergent wash followed by a tap water rinse.

3.2 Soil Investigation

A Cardno ATC geologist classified each soil sample collected during the advancement of the soil borings in accordance with the Unified Soil Classification System (USCS), and visually inspected each soil sample in the field for physical evidence of environmental impact such as staining, odors, free product, etc. Upon collection, each soil sample was split into two aliquots; one for field inspection and headspace analysis, and the other for potential laboratory analysis. The field aliquots were placed into sealable plastic bags and allowed to warm to ambient temperature for headspace analysis for the emission of total photo-ionizable vapors (TPVs) using a Mini-Rae® photo-ionization detector (PID). The PID measured the TPVs in parts per million (ppm). The laboratory aliquots were collected directly

from the Macro-core[®] samplers using laboratory-supplied containers, labeled with a unique identification, placed in an ice-packed cooler and transported to Pace Analytical Laboratory located in Indianapolis, Indiana using appropriate chain-of-custody protocol. Soil samples to be analyzed for volatile organic compounds (VOCs) were collected directly from the Macro-core[®] samplers and hand auger using Terra Core[®] Samplers, in accordance with Method 5035A (Indiana Modified). The soil boring logs documenting the soil classification and field screening results are provided in **Appendix A**.

A total of thirty-four soil samples were retained from the seventeen soil borings advanced on the Site and submitted for laboratory analysis. The soil samples retained for analysis included the surface interval (0-2 ft-bgs) and the interval that exhibited the greatest potential for being impaired (i.e., highest TPV reading, staining, odors, etc.).

The thirty-four discrete soil samples, two MS/MSD samples, two duplicate samples, and two trip blank samples were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) in accordance with US EPA SW-846 Method 8260,
- Polynuclear Aromatic Hydrocarbons (PAHs) in accordance with US EPA SW-846 Method 8270 SIM, and
- Resource Conservation and Recovery Act (RCRA) Metals in accordance with US EPA SW-846 Methods 6010B and 7470.

3.3 Groundwater Investigation

Temporary monitoring wells were installed in fourteen soil borings (B-1 through B-11, B-13, B-14, and B-16) following soil sampling activities. The temporary monitoring wells were constructed of 1.0-inch diameter PVC casing and ten feet of 1.0-inch diameter, 0.010-inch slotted well screen, and placed into the boring annulus to facilitate groundwater sampling.

The wells were opened and allowed to equilibrate to atmospheric pressure prior to gauging. The monitoring well network was gauged with a water level meter, which measures depth to groundwater levels to the nearest 0.01-foot. The depth-to-groundwater level was recorded on a groundwater sampling log. The depth-to-groundwater measured during the event ranged from 1.05 to 15.81 feet below the top of the monitoring well casings. In order to evaluate the relative groundwater elevations beneath the Site, a well elevation survey was performed using a designated bench of mark of 100.00 feet for the temporary well B-2 top of casing. The inferred groundwater flow direction is to the southeast, with an approximate gradient of 0.04 feet/foot calculated between temporary monitoring wells B-5 and B-9. The monitoring well gauging data for the groundwater sampling event is summarized in **Table 1**, and a potentiometric surface map is provided as **Figure 3**.

A QED sample pro bladder pump powered by carbon dioxide gas with a QED MP15 controller was used to retrieve groundwater from temporary wells B-2, B-3, B-6 through B-11, B-13, and B-16. Due to insufficient water volume, groundwater samples were not collected from temporary wells B-1, B-4, B-5, and B-14. A Horiba U-52 multi-parameter meter with a 500 milliliter (mL) flow through cell was used to measure water quality parameters on approximate five minute increments, as water was pumped through the flow through cell at each monitoring well location. The pump was gently lowered to approximately the mid-point of the measured groundwater column and the pump was started at an initial flow rate of ranging from 15 to 30 mL per cycle with four cycles per minute.

After placing the pump at the desired depth, a minimum of one purging volume (volume of bladder, flow through cell, and tubing) was removed before stabilization parameters were recorded. The water quality parameters used for determining stability and the stability criteria are provided in the table below. Stability was achieved when three consecutive measurements were within the stabilization criteria presented for each parameter below:

Stabilization Parameter	Stabilization Criteria
pH	+/- 0.1
Oxygen-Reduction Potential (ORP)	+/- 10 mev
Temperature	+/- 3%
Dissolved Oxygen	+/-10%
Conductivity	+/- 3%

After the stabilization criteria were achieved, the sample tubing was disconnected from the flow through cell and the groundwater was allowed to flow into appropriate sample containers. Stabilization was unable to be achieved from temporary wells B-2, B-3, B-6, B-7, B-9 to B-11, B-13, and B-16 due to slow recharge of the water column. The temporary wells were allowed to recharge and a sample was obtained with a disposable hand bailer.

All sample containers were labeled and placed in a cooler with ice and transported submitted to Pace Analytical Laboratory with a chain-of-custody. For quality assurance and quality control purposes (QA/QC), a trip blank was placed in the sample cooler prior to mobilization.

The ten discrete groundwater samples, one MS/MSD sample, and one duplicate sample were analyzed for the following parameters:

- VOCs in accordance with US EPA SW-846 Method 8260,
- PAHs in accordance with US EPA SW-846 Method 8270 SIM, and
- RCRA Metals in accordance with US EPA SW-846 Methods 6010 B and 7470.

The groundwater sampling logs are provided in **Appendix B** and copies of the laboratory reports and chains-of-custody documents are presented in **Appendix C**.

Groundwater sampling equipment that entered the monitoring wells or encountered groundwater, including the water level meter, the QED sample pump, the Horiba U-52 multi-parameter meter, and the flow through cell, were cleaned before each use with a non-phosphate detergent and tap water wash followed by a distilled water rinse. Dedicated polyethylene tubing and Teflon[®] bladders were used to collect the groundwater from the temporary wells.

4 Findings

4.1 Hydrogeology and Soil Screening Results

Soil encountered during the investigation below the topsoil, crushed stone base, asphalt/concrete, or fill material consisted primarily of a grayish brown silty sand at depths of ranging from approximately 1.0 ft-bgs to 5.0 ft-bgs. The sand was underlain by a reddish brown sandy clay (CL) at depths ranging from approximately 0.5 ft-bgs to 15.5 ft-bgs. Beneath the sandy clay (CL) was gray shale and red sandstone ranging from 5.75 ft-bgs to 16.5 ft-bgs. Soil vapor monitoring results recorded during the soil sampling activities were reported ranging from 0.0 parts per million (ppm) to 0.5 ppm. Coal fragments were noted in the multiple borings from 0.3-9.5 ft-bgs. Soil stratigraphy and field screening results are presented on the boring logs in **Appendix A**.

The inferred groundwater flow direction is to the southeast, with an approximate gradient of 0.04 feet/foot calculated between temporary monitoring wells B-5 and B-9. The monitoring well gauging data for the groundwater sampling event is summarized in **Table 1**, and a potentiometric surface map is provided as **Figure 3**.

4.2 Soil Analytical Results

The analytical results were compared to the IDEM Remediation Closure Guide (RCG). The RCG Guidance provides a framework for contaminated sites in Indiana to gain closure through IDEM. Please note that closure under the RCG Program requires approval by IDEM.

The soil samples collected at the Site were compared against four screening levels:

- Direct contact—residential,
- Direct contact –commercial/industrial,
- Direct contact –excavation, and
- Migration to groundwater (MTG) –residential

According to the soil analytical results, the following constituents of concern (CoCs) were detected above their respective RCG screening levels:

- Adsorbed tetrachloroethene (PCE) was detected at a concentration of 0.0470 milligrams per kilogram (mg/kg) in the soil sample B-2(0-2'), which is above the RCG residential MTG screening level of 0.045 mg/kg.
- Adsorbed naphthalene was detected as a concentration of 0.335 mg/kg in the soil sample B-5 (6-8'), which is above the RCG residential MTG screening level of 0.092 mg/kg.
- Adsorbed arsenic was detected above the RCG residential MTG screening level of 5.9 mg/kg in soil samples B-1(4-5'), B-2 (4-5'), B-3 (12-14'), B-6 (0-2'), B-8 (0-2'), B-11 (0-2'), B-11 (6-8'), B-12 (0-2'), B-12 (8-10'), B-14 (0-2'), B-16 (6-8'), and B-17 (0-2'). Arsenic was also detected at concentrations above the RCG residential direct contact exposure screening level of 8.5 mg/kg

in the soil samples B-3 (0-2'), B-4 (0-2'), B-7 (0-2') B-7 (6-8'), B-9 (0-2'), B-9 (4-6'), B-10 (0-2'), B-13 (4-6'), and B-15 (0-2'). Adsorbed arsenic was detected above the RCG commercial/industrial screening level of 24 mg/kg in the soil samples B-10 (4-6') and B-8 (12-14') at concentrations of 33.8 mg/kg and 123 mg/kg respectively.

No other CoCs were detected above their respective RCG screening levels or laboratory reporting limits in the soil samples collected from the Site. A summary of the soil analytical results compared to the IDEM RCG screening levels is provided in **Table 2** and depicted on **Figure 4**. The laboratory report and chain-of-custody documentation are presented in **Appendix C**.

4.3 Groundwater Analytical Results

The groundwater samples collected at the Site were compared against three IDEM RCG screening levels:

- Tap –residential,
- Vapor exposure –residential, and
- Vapor exposure –commercial/industrial.

Please note that closure under the RCG Program requires approval by IDEM.

Based on the groundwater laboratory results, the following CoCs were detected above their respective RCG residential direct contact (Tap) screening levels:

- Arsenic was detected at a level of 0.0271 mg/L in the groundwater sample from temporary well B-9, which is above the RCG residential tap screening level of 0.01 mg/L.
- Naphthalene was detected at 0.0022 mg/L in the groundwater sample from temporary well B-3, which is above the RCG residential tap screening level of 0.0014 mg/L.
- Tetrachloroethene was reported at 0.0510 mg/L in the groundwater sample collected from B-2, which is above the RCG residential tap screening level of 0.005 mg/L.

No other CoCs were detected above their respective RCG screening levels in the groundwater samples collected from the temporary wells at the Site. The results of the analyses performed on the groundwater samples collected at the Site are summarized on **Table 3** and depicted on **Figure 5**. The laboratory report and chain-of-custody documentation are presented in **Appendix C**.

5 Conclusions

Cardno ATC has conducted a Phase II Limited Subsurface Investigation at the Former Jasper Power Plant in Jasper, Indiana. The investigation included an evaluation of the soil and groundwater quality beneath the Site.

The soil samples collected during the advancement of seventeen soil borings indicate that the shallow stratigraphy of the Site consists of topsoil, crushed stone base, asphalt/concrete, or fill material underlain by sand, sandy clay (CL), shale, and sandstone. Soil vapor monitoring results recorded during the soil sampling activities ranged from 0.0 ppm to 0.5 ppm. Thirty-four soil samples and ten groundwater samples were collected at the Site and submitted for laboratory analysis.

Based on the soil analytical data collected, adsorbed tetrachloroethene was detected above the RCG residential MTG screening levels in one of the thirty-four soil samples, adsorbed naphthalene was detected above the RCG residential screening levels in one of the thirty-four soil samples, and adsorbed arsenic was detected above the RCG residential screening levels in twenty-three of the thirty-four soil samples collected on the Site. Arsenic is a naturally occurring element commonly found in Indiana soils. Native soil concentrations of arsenic have been documented to range from 1 to 40 mg/kg¹. With the exception of the soil sample collected from 4 to 6 ft below grade in soil boring B-10, the concentration of arsenic detected on-Site does not exceed this range, and may represent the natural arsenic concentrations in the soil beneath the Site.

Based on the groundwater analytical results, dissolved arsenic was detected above the RCG residential Tap screening level in the groundwater samples collected from B-9. Dissolved naphthalene was detected above the RCG residential Tap screening level in the groundwater sample collected from B-3. Additionally, dissolved tetrachloroethene was detected above the RCG residential Tap screening level in the groundwater sample collected from B-2.

If the Site is to be developed as commercial/industrial land, it may be warranted to further define the extent of the arsenic in the shallow soil near soil boring B-10. Additionally, further evaluation of the groundwater quality in the vicinity of B-3 and B-9 may be needed if a Site Status Letter or Site Comfort Letter are to be requested from the Indiana Brownfields Program.

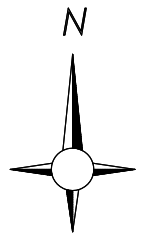
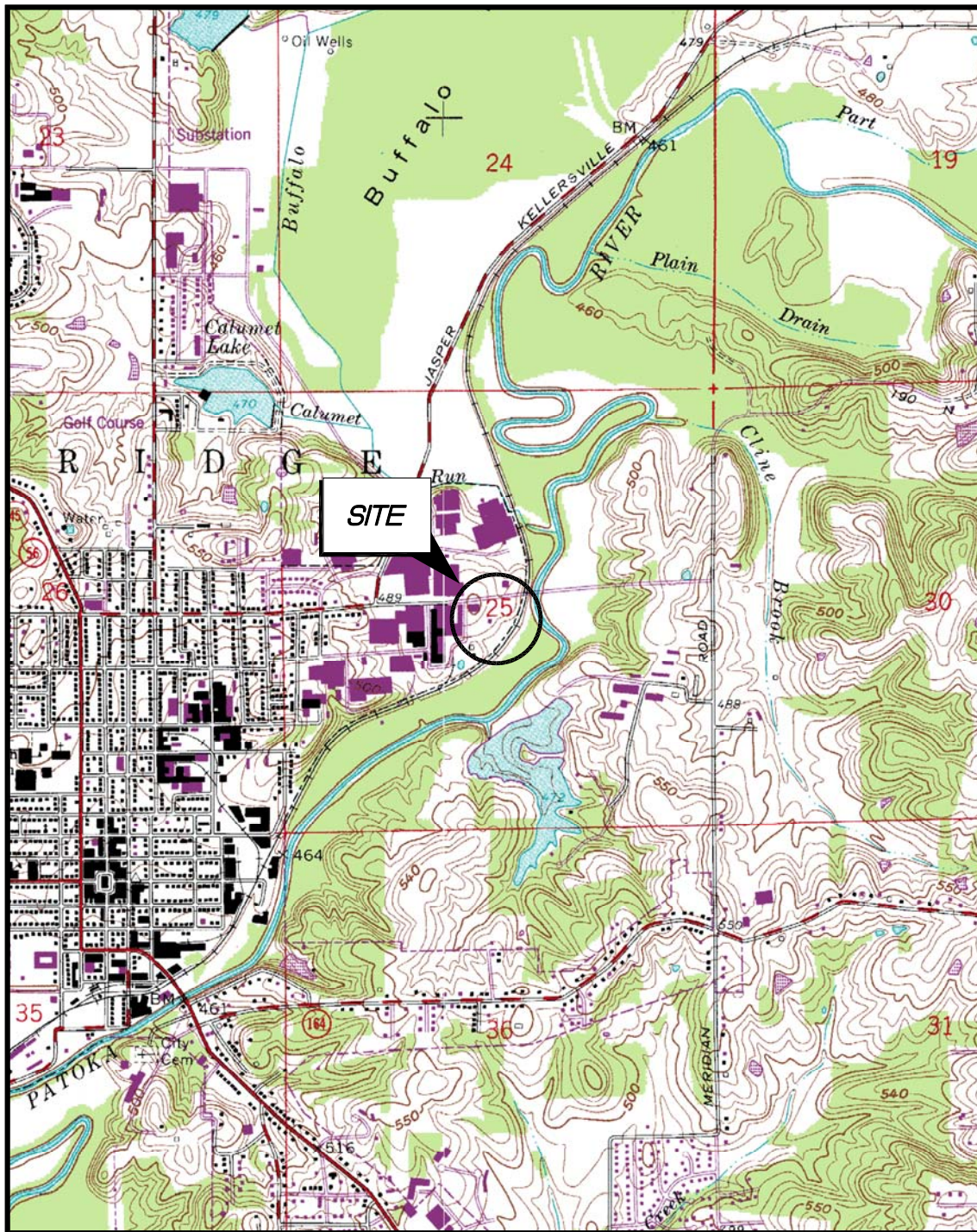
¹ Dragun, James *The Soil Chemistry of Hazardous Materials*, The Hazardous Control Research Institute, Silver Springs, Maryland 1988.

6 Qualifications

The work performed in conjunction with this assessment, and the data developed, are intended as a description of available information at the dates and locations given. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type, or at a location not investigated, nor against future operations or conditions.

The present study included the collection of thirty-four soil samples and ten groundwater samples from the Site. The conclusions drawn from this investigation are considered reliable; however, there may exist localized variations in subsurface conditions that have not been completely defined at this time.

Figures



VICINITY MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT
JASPER POWER PLANT
1163 EAST 15th STREET
JASPER, INDIANA

Project Number:
170IN1503H

Drawing File:
170IN1503H-VIC

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3/15

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1" = 2000'



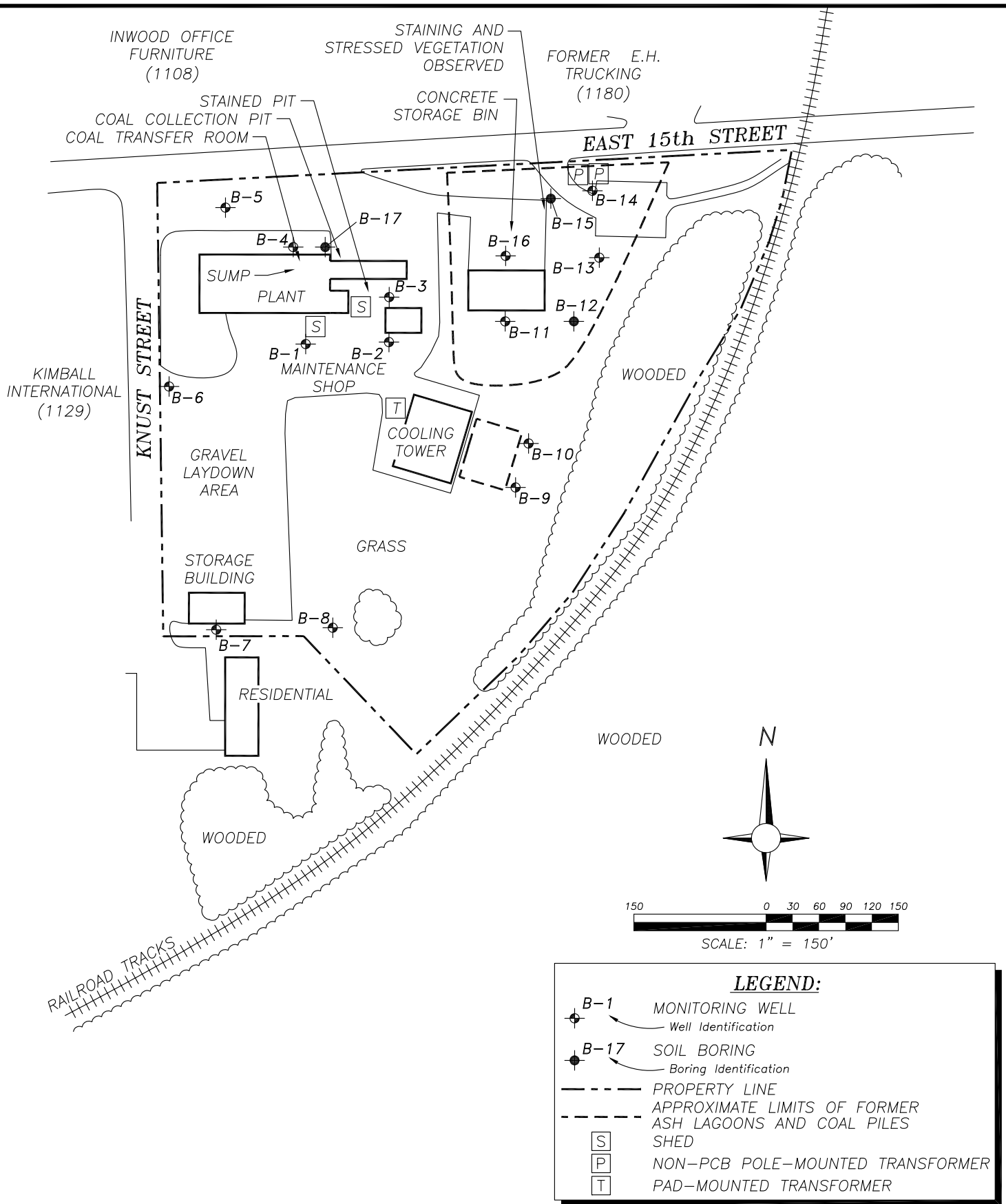
Drn. By:
AK

Ckd. By:
MF

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Figure:

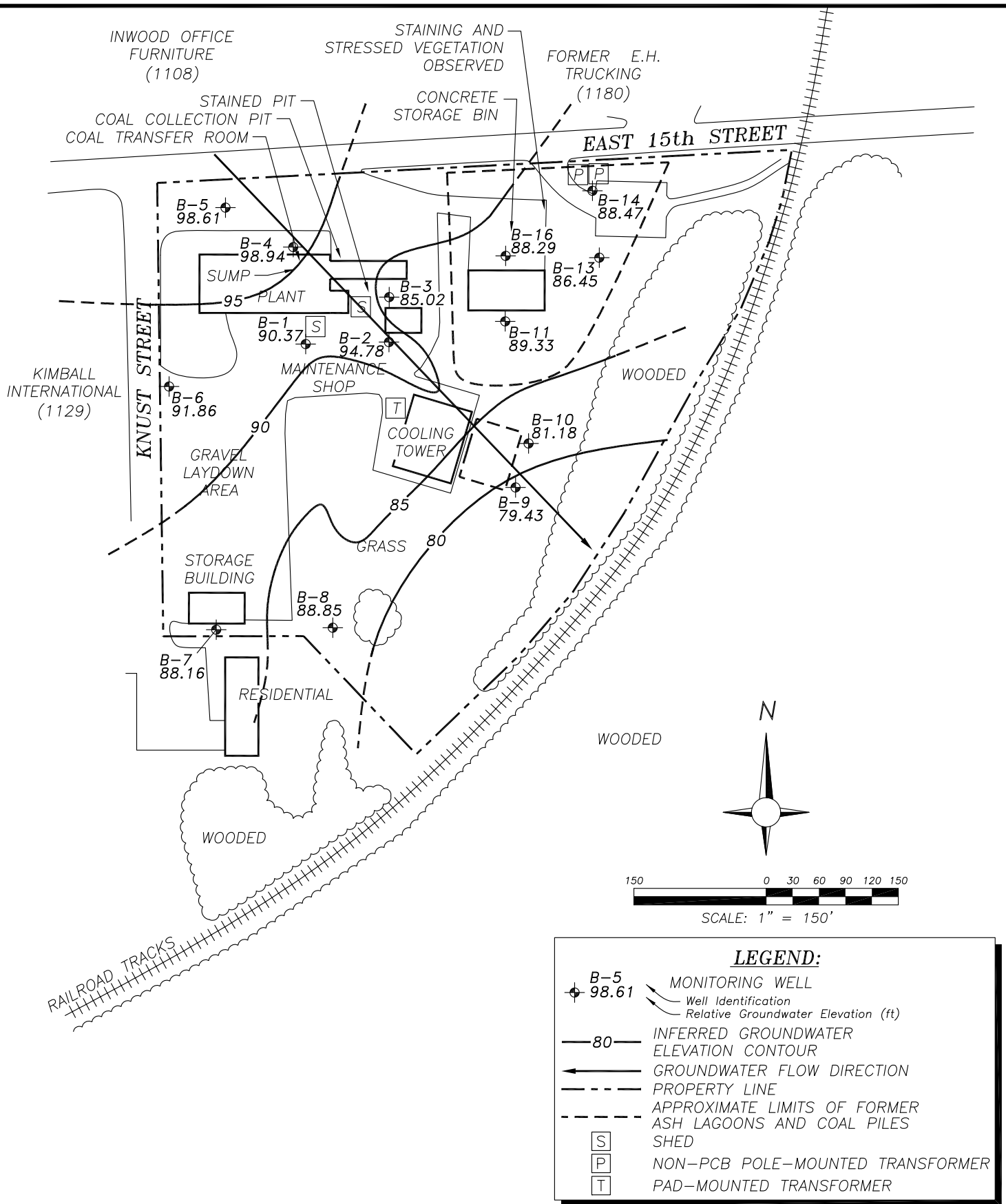
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SITE PLAN

PHASE II ENVIRONMENTAL SITE ASSESSMENT
JASPER POWER PLANT
1163 EAST 15th STREET
JASPER, INDIANA

Project Number: 170IN1503H		Drn. By: AK
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Date: 3/15	Scale: AS SHOWN	App'd By:
		Figure: 2



POTENTIOMETRIC SURFACE MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT
JASPER POWER PLANT
1163 EAST 15th STREET
JASPER, INDIANA

Project Number:
170IN1503H

Drawing File:
170IN1503H-POT

Date:
3/15

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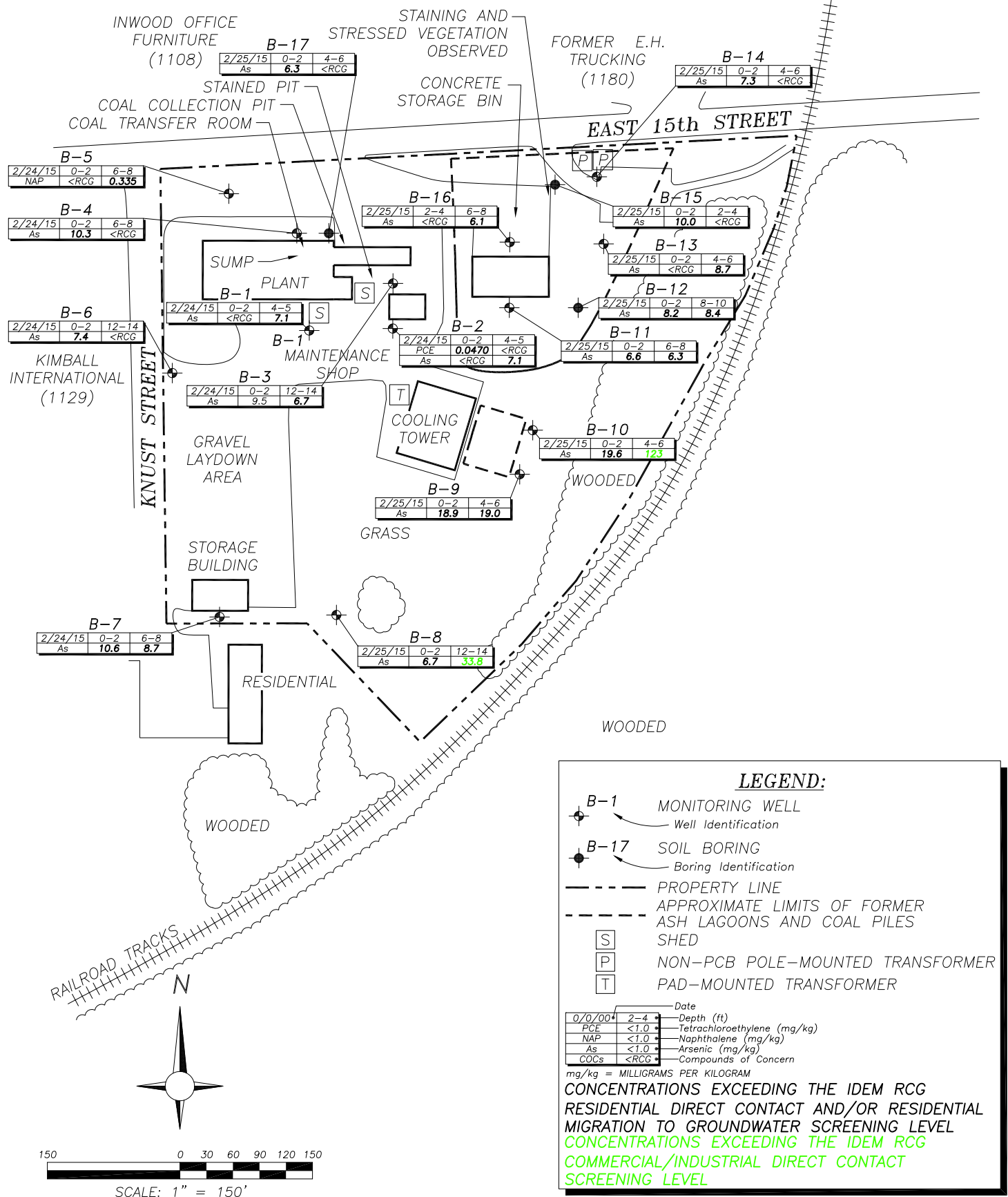
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3



SOIL ANALYTICAL MAP

LIMITED SUBSURFACE INVESTIGATION
JASPER POWER PLANT
1163 EAST 15th STREET
JASPER, INDIANA

Project Number:
170IN1503H

Drawing File:
170IN1503H-SOIL

Date:
4/15

Scale:
AS SHOWN

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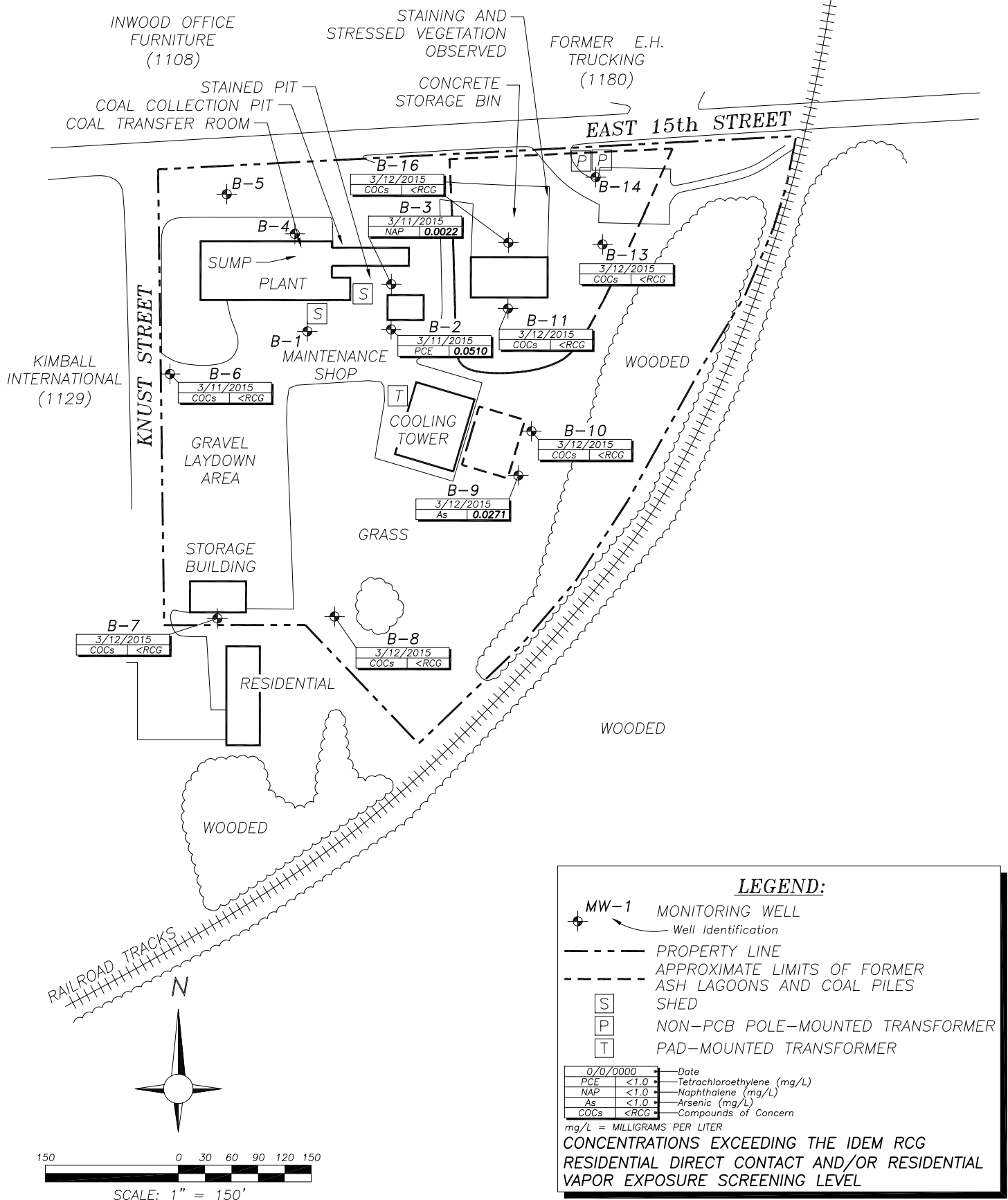
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4



GROUNDWATER ANALYTICAL MAP

LIMITED SUBSURFACE INVESTIGATION
JASPER POWER PLANT
1163 EAST 15th STREET
JASPER, INDIANA

Project Number:
170IN1503H

Drawing File:
170IN1503H-GROUND

Date:
4/15

Scale:
AS SHOWN

Drn. By:
AK

Ckd. By:
MF

App'd By:

Figure:



5

Tables

Table 1
Summary of Gauging Data
Indiana 15 Regional Planning Commission
Former Jasper Power Plant
1163 East 15th Street
Jasper, Indiana 47547
Cardno Project No. 170IN1503H

Well ID	Gauging Date	Screen Interval (ft-bgs)	Top of Casing Elevation (ft)	Depth to Water (ft-TOC)	Groundwater Elevation (ft)
B-1	03/11/15	5-15	103.63	13.26	90.37
B-2	03/11/15	4.5-14.5	100.00	5.22	94.78
B-3	03/11/15	6.5-16.5	100.83	15.81	85.02
B-4	03/11/15	0-9.5	104.48	5.54	98.94
B-5	03/11/15	0-7.5	104.27	5.66	98.61
B-6	03/11/15	5-15	100.42	8.56	91.86
B-7	03/11/15	0-9	90.34	2.18	88.16
B-8	03/11/15	5-15	83.29	2.44	80.85
B-9	03/11/15	0-6.25	80.48	1.05	79.43
B-10	03/11/15	0-6	82.27	1.09	81.18
B-11	03/11/15	1-11	94.25	4.92	89.33
B-13	03/11/15	0-8	90.94	4.49	86.45
B-14	03/11/15	0-7	89.59	1.12	88.47
B-16	03/11/15	0-9	92.61	4.32	88.29

Notes:

- ft-bgs = feet below ground surface.
- ft-TOC = feet below top of casing.
- Top of Casing Elevation = Elevation at the top of the PVC well casing
- Groundwater Elevation = Top of Casing Elevation - Depth to Groundwater

Table 2 Summary of Analytical Soil Results Indiana 15 Regional Planning Commission Former Jasper Power Plant 1163 East 15th Street Jasper, Indiana 47547 Cardno Project No. 170IN1503H
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[illegible]

- NE = Not established / NA* = not analyzed

- Soil samples were analyzed for volatile organic compounds (VOCs) via SW 846 Method 8260, polynuclear aromatic hydrocarbons (PAHs) via SW 846 Method 8270, and RCRA Metals via SW 846 Methods 6010 and 7470.

- Sediment samples were analyzed for VOCs via SW-846 Method 8260 and polychlorinated biphenyls (PCBs) via Method 8082.

- Analytes not listed in the table were not detected above their respective laboratory reporting limits.

- Analytical results presented in milligrams per kilogram (mg/kg) or parts per million (ppm).

BOLD = Concentrations above their respective RCG Residential Migration to Groundwater Screening Levels (updated in March 2014).

BOLD = Concentrations above their respective Remediation Closure Guide (RCG) Residential Direct Contact Screening Levels (updated in March 2014).

BOLD = Concentrations above their respective Remediation Closure Guide (RCG) Commercial Direct Contact Screening Levels (updated in March 2014).

BOLD = Concentrations above their respective Remediation Closure Guide (RCG) Excavation Direct Contact Screening Levels (updated in March 2014).

[illegible]

Table 3
Summary of Water Analytical Results
Indiana 15 Regional Planning Commission
Former Jasper Power Plant
1163 East 15th Street
Jasper, Indiana 47547
Cardno Project No. 170IN1503H

Well ID	Date Sampled	Detected VOCs (mg/L)	Detected PAHs (mg/L)			Detected Metals (mg/L)			
		Tetrachloroethene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Arsenic	Barium	Cadmium	Chromium
IDEM Screening Groundwater Tap Residential 2014		0.005	0.0097	0.027	0.0014	0.01	2	0.005	0.1
IDEM Screening Vapor Exposure Goundwater Residential 2014		0.11	NE	NE	0.091	NE	NE	NE	NE
IDEM Screening Vapor Exposure Groundwater Commercial/Industrial 2014		0.47	NE	NE	0.46	NE	NE	NE	NE
B-2	03/11/15	0.0510	<0.0010	<0.0010	<0.0010	<0.0100	0.188	<0.0020	<0.0100
B-3	03/11/15	<0.0050	0.0027	0.0017	0.0022	<0.0100	0.0326	<0.0020	<0.0100
B-6	03/11/15	<0.0050	<0.0010	<0.0010	<0.0010	<0.0100	0.0452	0.0024	<0.0100
B-7	03/12/15	<0.0050	<0.0010	<0.0010	<0.0010	<0.0100	0.0187	<0.0020	0.0469
B-8	03/12/15	<0.0050	<0.0011	<0.0011	<0.0011	<0.0100	0.0729	<0.0020	<0.0100
B-9	03/12/15	<0.0050	<0.0010	<0.0010	<0.0010	0.0271	0.0430	<0.0020	<0.0100
B-10	03/12/15	<0.0050	<0.0010	<0.0010	<0.0010	<0.0100	0.0271	<0.0020	<0.0100
B-11	03/12/15	<0.0050	<0.0010	<0.0010	<0.0010	<0.0100	0.0688	<0.0020	<0.0100
BLIND DUPLICATE		<0.0050	<0.0011	<0.0011	<0.0011	<0.0100	0.0711	<0.0020	<0.0100
B-13	03/12/15	<0.0050	<0.0010	<0.0010	<0.0010	<0.0100	0.0121	<0.0020	<0.0100
B-16	03/12/15	<0.0050	<0.0010	<0.0010	<0.0010	<0.0100	0.209	<0.0020	<0.0100
TRIP BLANK	03/11/15	<0.0050	NA*	NA*	NA*	NA*	NA*	NA*	NA*

Notes:

- NE = Not established/NA* = Not analyzed
- Groundwater samples collected from the temporary monitoring wells were analyzed for volatile organic compounds (VOCs) via SW 846 Method 8260, polynuclear aromatic hydrocarbons (PAHs) via SW 846 Method 8270 SIM, and RCRA Metals via Methods 6010 and 7470.
- Analytes not listed in the table were not detected above their respective laboratory reporting limits.
- Analytical results presented in milligrams per Liter (mg/L) or parts per million (ppm).

Bold	= Concentrations above their repsective Remediation Closure Guide (RCG) Residential Direct Contact Screening Levels (updated in March 2014).
Bold	= Concentrations above their respective Remediation Clusre Guide (RCG) Residential Vapor Exposure Screening Levels (updated in March 2014).
Bold	= Concentrations above their respective Remediation Closure Guide (RCG) Commercial Vapor Exposure Screening Levels (updated in March 2014).

Appendix A – Soil Boring Logs

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-01
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Asphalt and Crushed Stone Base	1.0			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Grayish brown, dry SILTY SAND with some dark brown mottling				2	--		0.0	
				3	--		0.0	
Reddish brown, dry SANDY CLAY with some gray mottling	5.0	5		4			0.0	Some coal present at 4.5 ft
				5	4.8		0.0	
				6			0.0	Samples collected from the 0-2 ft and 4-5 ft intervals were submitted for laboratory analysis.
		10		7	4.5		0.0	
Gray, weathered SHALE	13.5						0.0	Probe refusal at 15.0 ft
Bottom of Boring at 15.0 ft	15.0	15						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-02
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Asphalt and Crushed Stone Base	0.5			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, moist SANDY CLAY with gray mottling				2	--		0.0	
				3	--		0.0	
		5		4			0.0	
-shale and sandstone fragments at 7.5 ft				5	4.8		0.0	
		10		6			0.0	
				7	4.8		0.0	
SANDSTONE with interbedded shale	14.0						0.0	Samples collected from the 0-2 ft and 4-5 ft intervals were submitted for laboratory analysis.
Bottom of Boring at 14.5 ft	14.5						0.0	
								Probe refusal at 14.5 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-03
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Asphalt and Crushed Stone Base	0.5			1	--		0.5	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, moist SANDY CLAY with gray mottling, sandstone and shale fragments				2	--		0.0	
				3	--		0.0	
		5		4	4.8		0.0	
				5			0.0	
		10		6	4.8		0.0	Samples collected from the 0-2 ft and 12-14 ft intervals were submitted for laboratory analysis.
				7			0.0	
				8	2.8		0.0	
SHALE	15.5	15						Probe refusal at 16.5 ft
Gray SANDSTONE	16.0							
Bottom of Boring at 16.5 ft	16.5							

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-04
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION
TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Topsoil	0.3			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Brown SILTY CLAY with shale fragments and fill				2	--		0.0	
				3	--		0.0	
		5		4	4.8		0.0	
				5			0.0	
Gray SHALE	7.0						0.0	Samples collected from the 0-2 ft and 6-8 ft intervals were submitted for laboratory analysis.
							0.0	
Bottom of Boring at 9.5 ft	9.5							Probe refusal at 9.5 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-05
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION
TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Concrete and Crushed Stone Base	0.5			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, dry SANDY CLAY with interbedded gray shale and reddish sandstone				2	--		0.0	
				3	--		0.0	
		5		4	3.0		0.0	
Gray SHALE	7.0						0.0	Samples collected from the 0-2 ft and 6-8 ft intervals were submitted for laboratory analysis. A duplicate sample was collected from the 0-2 ft interval and submitted for laboratory analysis.
Bottom of Boring at 7.5 ft	7.5							
								Probe refusal at 7.5 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-06
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION
TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Concrete and Crushed Stone Base	0.5			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, moist to dry SANDY CLAY				2	--		0.0	
		5		3	--		0.0	
				4			0.0	
				5	4.8		0.0	Samples collected from the 0-2 ft and 12-14 ft intervals were submitted for laboratory analysis. A MS/MSD sample was collected from the 12-14 ft interval and submitted for laboratory analysis.
		10		6			0.0	
				7	4.8		0.0	
Gray SHALE with interbedded silty clay	13.5						0.0	Probe refusal at 15.0 ft
Bottom of Boring at 15.0 ft	15.0	15						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

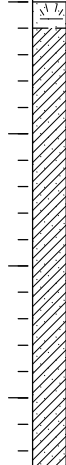
CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-07
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/24/15 Well Material PVC
Date Completed 2/24/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
 Topsoil Reddish brown, moist SANDY CLAY with sandstone fragments	0.5			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
				2	--		0.0	
		5		3	--		0.0	
				4			0.0	Samples collected from the 0-2 ft and 6-8 ft intervals were submitted for laboratory analysis.
				5	4.8		0.0	
Bottom of Boring at 9.0 ft	9.0						0.0	Probe refusal at 9.0 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-08
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION
TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Topsoil				1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, wet SANDY CLAY with sandstone fragments	1.5			2	--		0.0	
				3	--		0.0	
				4	--		0.0	
				5	4.8		0.0	
				6			0.0	
Reddish brown, moist SILTY SAND	6.0			7	3.5		0.0	Samples collected from the 0-2 ft and 6-8 ft intervals were submitted for laboratory analysis.
Reddish brown, moist SILTY SAND with coal fragments	12.5						0.0	
Gray SHALE	13.5						0.0	Probe refusal at 15.0 ft
Bottom of Boring at 15.0 ft	15.0	15						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools 1.5 ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-09
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
 Topsoil	0.3			1			0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities. Samples collected from the 0-2 ft and 4-6 ft intervals were submitted for laboratory analysis. A duplicate sample was collected from the 4-6 ft interval and submitted for laboratory analysis.
Brown, moist SANDY CLAY with brick and sandstone fragments (FILL)				2			0.0	
				3			0.0	
	5.0	5		4			0.0	
Brown, moist SANDY CLAY with coal fragments	6.0							Probe refusal at 6.25 ft
Red SANDSTONE	6.3							
Bottom of Boring at 6.25 ft								

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-10
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
 Topsoil	0.3			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities. Samples collected from the 0-2 ft and 4-6 ft intervals were submitted for laboratory analysis.
Brown, moist SANDY CLAY with coal and sandstone fragments (FILL)				2	--		0.0	
				3	--		0.0	
				4	1.3		0.0	
Red SANDSTONE	5.8	5						Probe refusal at 6.0 ft
Bottom of Boring at 6.0 ft	6.0							

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-11
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
SURFACE ELEVATION								
Topsoil	0.3			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, moist SANDY CLAY with coal and sandstone fragments				2	--		0.0	
				3	--		0.0	
		5		4	4.8		0.0	
				5			0.0	
	9.5						0.0	Samples collected from the 0-2 ft and 6-8 ft intervals were submitted for laboratory analysis.
Reddish brown, moist SAND		10		6	1.8		0.0	
Red SANDSTONE	10.8							
Bottom of Boring at 11.0 ft	11.0							Probe refusal at 11.0 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

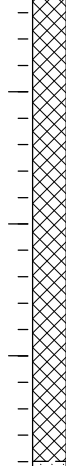
CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-12
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material --
Date Completed 2/25/15 Well Diameter -- in.
Drill Foreman Z. Vaughan Screen Length -- ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method --

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
 Topsoil	0.3			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities. Samples collected from the 0-2 ft and 8-10 ft intervals were submitted for laboratory analysis.
 Brown SANDY CLAY with sandstone, brick and coal fragments (FILL)				2	--		0.0	
				3	--		0.0	
				4			0.0	
				5	4.0		0.0	
 Reddish orange SANDSTONE	9.5							Probe refusal at 10.0 ft
Bottom of Boring at 10.0 ft	10.0	10						

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

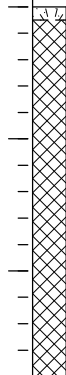
CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-13
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
 Topsoil	0.3			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, moist SANDY CLAY with coal and sandstone fragments (FILL)				2	--		0.0	
				3	--		0.0	
				4			0.0	
							0.0	
	7.0						0.0	Samples collected from the 0-2 ft and 4-6 ft intervals were submitted for laboratory analysis. A MS/MSD was collected from the 0-2 ft interval and submitted for laboratory analysis.
Orange, moist, fine grained SAND	7.5			5	4.2		0.0	
Orange and gray SANDSTONE with interbedded gray shale	8.0						0.0	
Bottom of Boring at 8.0 ft								Probe refusal at 8.0 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-14
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
Asphalt and Crushed Stone Base	1.5			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.
Reddish brown, moist SANDY CLAY with sandstone, shale and coal fragments (FILL)		5		2	--		0.0	
				3	--		0.0	Samples collected from the 0-2 ft and 4-6 ft intervals were submitted for laboratory analysis.
				4			0.0	
Orange, moist SAND with sandstone	6.5			5	2.3		0.0	
Bottom of Boring at 7.0 ft	7.0							Probe refusal at 7.0 ft

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

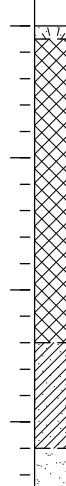
HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-15
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION
TEST DATA

Date Started 2/25/15 Well Material --
Date Completed 2/25/15 Well Diameter -- in.
Drill Foreman Z. Vaughan Screen Length -- ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method --

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoion (ppm)	
SURFACE ELEVATION									
	Topsoil	0.3	5		1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

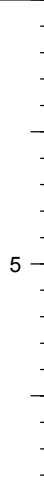
CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-16
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION

TEST DATA

Date Started 2/25/15 Well Material PVC
Date Completed 2/25/15 Well Diameter 1 in.
Drill Foreman Z. Vaughan Screen Length 10 ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method Temp

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	
SURFACE ELEVATION									
	Concrete	2.0			1	--		--	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

CLIENT Indiana 15 Regional Planning Commission
PROJECT NAME Former Jasper Power Plant
PROJECT LOCATION 1163 East 15th Street
Jasper, Indiana 47547

BORING # B-17
JOB # 170EM00003

DRILLING and SAMPLING INFORMATION
TEST DATA

Date Started 2/25/15 Well Material --
Date Completed 2/25/15 Well Diameter -- in.
Drill Foreman Z. Vaughan Screen Length -- ft
Inspector M. Foye/S. Fox Slot Size -- in.
Boring Method Geoprobe Development Method --

SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoion (ppm)	
SURFACE ELEVATION									
	Topsoil	0.5			1	--		0.0	A hand auger was used to advance the first five feet of this boring to reduce the possibility of damaging underground utilities.

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater

● Noted on Drilling Tools -- ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
⚠ Cave Depth -- ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump

Appendix B – Low Flow Groundwater Sampling Logs

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye/ S. Fox

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 11, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-1	1"	3/11/15	900	13.3	13.82	4	-	-	-	-	-	-	-	-	-	-	-

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

NO SAMPLE TAKEN, NOT ENOUGH WATER IN WELL TO SAMPLE WITH LOW FLOW EQUIPMENT.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye/ S. Fox

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 11, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-2	1"	3/11/15	1230	5.22'	13.39'	4	15	60	9'	30	1,800	6.64	6.53	0.717	222	0.0	11.68
			1235									6.52	5.58	0.699	238	0.0	11.59
			1240														
			1245														
			1250									6.69	5.48	0.656	212	1,000	12.85
			1255									7.34	5.62	0.606	165	1,000	12.87
			1300									6.72	4.28	0.650	194	1,000	12.45

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission

Project #: 170IN1503H

Location: 1163 East 15th Street, Jasper, Indiana

Sampler(s): M. Foye/ S. Fox

Sampling Event: Low-flow sampling

Equipment: Low flow pump, tubing, rope

Date: March 11, 2015

Other:

Sampling Event:	Low-flow sampling
Equipment:	Low flow pump, tubing, rope
Date:	March 11, 2015
Other:	

[illegible]

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye/ S. Fox

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 11, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-4	1"	3/11/15	1630	5.54'	7.99'	4	-	-	-	-	-	-	-	-	-	-	-

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

NO SAMPLE TAKEN, NOT ENOUGH WATER IN WELL TO SAMPLE WITH LOW FLOW EQUIPMENT.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye/ S. Fox

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 11, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-5	1"	3/11/15	1626	5.66'	6.78'	4	-	-	-	-	-	-	-	-	-	-	-

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

NO SAMPLE TAKEN, NOT ENOUGH WATER IN WELL TO SAMPLE WITH LOW FLOW EQUIPMENT.

ATC Groundwater Sampling Log	
Client:	Indiana 15 Regional Planning Commission
Project #:	170IN1503H
Location:	1163 East 15th Street, Jasper, Indiana
Sampler(s):	M. Foye/ S. Fox
Sampling Event:	Low-flow sampling
Equipment:	Low flow pump, tubing, rope
Date:	March 11, 2015
Other:	

Sampling Event:	Low-flow sampling
Equipment:	Low flow pump, tubing, rope
Date:	March 11, 2015
Other:	

[illegible]

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-7	1'	3/12/15	1855	2.18'	9.21'	4	10	40	7'	15	800	7.11	3.30	0.331	136	183	15.53
			1900									6.91	1.76	0.339	138	172	14.48
			1905									6.80	1.31	0.343	134	160	14.00
			1910									8.54	0.95	0.361	82	989	13.34
			1915									8.96	0.97	0.371	72	115	13.14

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-8	1'	3/12/15	1755	2.44'	14.19'	4	10	40	12.5'	15	1,000	6.74	1.91	0.398	-10	1,000	16.01
			1800									6.53	1.86	0.449	-19	1,000	15.77
			1805									6.49	1.53	0.455	-24	1,000	15.38
			1810									6.47	1.53	0.457	-30	1,000	14.91
			1815									6.45	1.54	0.458	-31	1,000	14.90
			1820									6.45	1.53	0.459	-32	1,000	14.89

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-9	1'	3/12/15	1550	1.05'	6.53'	4	15	60	5'	15	1,200	6.46	2.60	0.580	17	0.0	15.07
			1555									6.49	1.86	0.626	21	835	14.48
			1600									6.49	1.70	0.640	20	1,000	14.33
			1605									6.52	1.47	0.686	9	0.0	13.02

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WATER WAS GRAY IN COLOR. NO ODOR DETECTED.

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED. FAST RECHARGE.

MSMSD COLLECTED.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-10	1"	3/12/15	1455	1.09'	5.74'	4	15	60	4'	15	900	6.27	2.77	0.579	67	117	18.11
			1500									6.22	1.84	0.589	68	116	17.86
			1505									6.13	1.54	0.611	70	136	16.04
			1510									6.08	1.29	0.592	72	181	16.29

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED. FAST RECHARGE.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-11	1"	3/12/15	1350	4.92'	10.54'	4	20	80	8'	15	800	5.79	3.99	0.483	250	0.0	16.14
			1355									5.69	3.73	0.470	258	0.0	16.05
			1400									5.68	3.68	0.443	267	0.0	16.78

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED.
 BLIND DUPLICATE COLLECTED FROM THIS WELL.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-13	1"	3-12-15	1040	4.49'	9.05'	4	15	60	6.5'	15	1,200	6.21	7.81	2.15	196	520	8.96
			1045									6.15	6.31	2.15	201	340	8.97
			1050									6.11	5.21	2.15	212	356	8.98
			1055									6.08	5.03	2.15	219	311	8.97
			1100									6.07	5.01	2.14	220	248	8.98

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 11, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-14	1"	3/11/15	1600	1.12'	7.39'	4	-	-	-	-	-	-	-	-	-	-	-
		3/12/15	1800	6.79'	7.39'	4	-	-	-	-	-	-	-	-	-	-	-

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WATER FROM UNDER PARKING LOT FLOWED INTO THE WELL, WELL HAD TO BE PURGED ON 3-11-15.

ON 3-12-15 WELL ONLY HAD 0.6' OF WATER IN IT. NO SAMPLE TAKEN, NOT ENOUGH WATER IN WELL TO SAMPLE WITH LOW FLOW EQUIPMENT.

ATC Groundwater Sampling Log

Client: Indiana 15 Regional Planning Commission
 Project #: 170IN1503H
 Location: 1163 East 15th Street, Jasper, Indiana
 Sampler(s): M. Foye

Sampling Event: Low-flow sampling
 Equipment: Low flow pump, tubing, rope
 Date: March 12, 2015
 Other: _____

Low Flow Sampling Data												Groundwater Quality Data					
Well ID	WD	Date	Time	DTW	BTW	CPM Setting	Flow volume per cycle	Flow rate (ml/min)	Pump depth	Throttle/ Pump pressure	Volume purged (ml)	pH (units)	DO (mg/l)	Conductivity (mS/cm)	ORP (mv)	Turbidity (NTU)	Temp (degrees C)
B-16	1"	3/12/15	1230	4.32'	8.81'	4	15	60	6.5'	15	900	6.13	9.43	2.51	225	0.0	12.62
			1235									5.77	5.19	2.54	229	0.0	12.25
			1240									5.76	5.43	2.24	239	0.0	13.00
			1245									5.82	5.48	2.12	242	0.0	1357

WD = Well Diameter in Inches DTW = Depth to Water BTW = Bottom of the Well CPM = Cycles Per Minute
 ml/min = Millimeter per Minute DO = Dissolved Oxygen mg/l = milligrams per liter NR = No Reading

REMARKS:

WELL RAN DRY BEFORE EQUILIBRIUM COULD BE REACHED.

Appendix C – Laboratory Analytical Reports and Chain of Custody Documentation

March 11, 2015

Mr. Brian Kleeman
Cardno ATC
255 South Garvin St.
Suite G
Evansville, IN 47713

RE: Project: Former Jasper Power Plant
Pace Project No.: 50113219

Dear Mr. Kleeman:

Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,



Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

cc: Mr. Rob Walker, Cardno ATC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10177/ E-10247

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Louisiana/NELAP Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Pennsylvania Certification #: 68-05340

Texas Certification #: T104704355-15-8

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50113219001	B-1 (0-2)	Solid	02/24/15 13:10	02/25/15 10:35
50113219002	B-1 (4-5)	Solid	02/24/15 13:50	02/25/15 10:35
50113219003	B-2 (0-2)	Solid	02/24/15 14:15	02/25/15 10:35
50113219004	B-2 (4-5)	Solid	02/24/15 14:40	02/25/15 10:35
50113219005	B-3 (0-2)	Solid	02/24/15 15:15	02/25/15 10:35
50113219006	B-3 (12-14)	Solid	02/24/15 15:30	02/25/15 10:35
50113219007	B-4 (0-2)	Solid	02/24/15 16:05	02/25/15 10:35
50113219008	B-4 (6-8)	Solid	02/24/15 16:20	02/25/15 10:35
50113219009	B-5 (0-2)	Solid	02/24/15 16:40	02/25/15 10:35
50113219010	B-5 (6-8)	Solid	02/24/15 16:50	02/25/15 10:35
50113219011	Blind Duplicate 1	Solid	02/24/15 08:00	02/25/15 10:35
50113219012	B-6 (0-2)	Solid	02/24/15 17:15	02/25/15 10:35
50113219013	B-6 (12-14)	Solid	02/24/15 17:40	02/25/15 10:35
50113219014	B-7 (0-2)	Solid	02/24/15 18:05	02/25/15 10:35
50113219015	B-7 (6-8)	Solid	02/24/15 18:15	02/25/15 10:35
50113219016	Trip Blank	Solid	02/24/15 13:00	02/25/15 10:35

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SAMPLE ANALYTE COUNT

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50113219001	B-1 (0-2)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219002	B-1 (4-5)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219003	B-2 (0-2)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219004	B-2 (4-5)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219005	B-3 (0-2)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219006	B-3 (12-14)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219007	B-4 (0-2)	EPA 6010	JPK	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219008	B-4 (6-8)	EPA 6010	JPK	7
		EPA 7471	LLB	1

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SAMPLE ANALYTE COUNT

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50113219009	B-5 (0-2)	EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113219010	B-5 (6-8)	EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
50113219011	Blind Duplicate 1	ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
50113219012	B-6 (0-2)	EPA 6010	JPJ	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
50113219013	B-6 (12-14)	EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
		EPA 7471	LLB	1
50113219014	B-7 (0-2)	EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113219015	B-7 (6-8)	EPA 8260	JLZ	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPJ	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	JLZ	72

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SAMPLE ANALYTE COUNT

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50113219016	Trip Blank	ASTM D2974-87	SCM	1
		EPA 8260	JLZ	72

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-1 (0-2) **Lab ID: 50113219001** Collected: 02/24/15 13:10 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	1.6	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:06	7440-38-2	
Barium	25.3	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:06	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:06	7440-43-9	
Chromium	11.9	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:06	7440-47-3	
Lead	9.0	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:06	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:06	7782-49-2	
Silver	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:06	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:06	03/05/15 11:29	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:06	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	70	%.	38-110	1	03/02/15 11:20	03/02/15 23:06	321-60-8	
p-Terphenyl-d14 (S)	78	%.	32-111	1	03/02/15 11:20	03/02/15 23:06	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	85.3	1		03/02/15 19:50	67-64-1	
Acrolein	ND	ug/kg	85.3	1		03/02/15 19:50	107-02-8	
Acrylonitrile	ND	ug/kg	85.3	1		03/02/15 19:50	107-13-1	
Benzene	ND	ug/kg	4.3	1		03/02/15 19:50	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		03/02/15 19:50	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		03/02/15 19:50	75-27-4	
Bromoform	ND	ug/kg	4.3	1		03/02/15 19:50	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		03/02/15 19:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.3	1		03/02/15 19:50	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-1 (0-2) Lab ID: 50113219001 Collected: 02/24/15 13:10 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	98-06-6	
Carbon disulfide	ND	ug/kg	8.5	1		03/02/15 19:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		03/02/15 19:50	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	75-00-3	
Chloroform	ND	ug/kg	4.3	1		03/02/15 19:50	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		03/02/15 19:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		03/02/15 19:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		03/02/15 19:50	106-43-4	
Dibromochloromethane	ND	ug/kg	4.3	1		03/02/15 19:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		03/02/15 19:50	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		03/02/15 19:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	85.3	1		03/02/15 19:50	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.3	1		03/02/15 19:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		03/02/15 19:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/02/15 19:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/02/15 19:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		03/02/15 19:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		03/02/15 19:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		03/02/15 19:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		03/02/15 19:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/02/15 19:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/02/15 19:50	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	100-41-4	
Ethyl methacrylate	ND	ug/kg	85.3	1		03/02/15 19:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		03/02/15 19:50	87-68-3	
n-Hexane	ND	ug/kg	4.3	1		03/02/15 19:50	110-54-3	
2-Hexanone	ND	ug/kg	85.3	1		03/02/15 19:50	591-78-6	
Iodomethane	ND	ug/kg	85.3	1		03/02/15 19:50	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		03/02/15 19:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		03/02/15 19:50	99-87-6	
Methylene Chloride	ND	ug/kg	17.1	1		03/02/15 19:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.3	1		03/02/15 19:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		03/02/15 19:50	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	103-65-1	
Styrene	ND	ug/kg	4.3	1		03/02/15 19:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		03/02/15 19:50	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-1 (0-2) Lab ID: 50113219001 Collected: 02/24/15 13:10 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.3	1		03/02/15 19:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		03/02/15 19:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		03/02/15 19:50	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		03/02/15 19:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		03/02/15 19:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		03/02/15 19:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		03/02/15 19:50	108-67-8	
Vinyl acetate	ND	ug/kg	85.3	1		03/02/15 19:50	108-05-4	
Vinyl chloride	ND	ug/kg	4.3	1		03/02/15 19:50	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		03/02/15 19:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	85-118	1		03/02/15 19:50	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		03/02/15 19:50	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	56-144	1		03/02/15 19:50	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.0	%	0.10	1		02/26/15 10:01		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-1 (4-5) Lab ID: 50113219002 Collected: 02/24/15 13:50 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.1	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:08	7440-38-2	
Barium	27.9	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:08	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:08	7440-43-9	
Chromium	10.7	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:08	7440-47-3	
Lead	10.3	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:08	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:08	7782-49-2	
Silver	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:08	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:06	03/05/15 11:31	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/02/15 11:20	03/02/15 23:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	66	%.	38-110	1	03/02/15 11:20	03/02/15 23:24	321-60-8	
p-Terphenyl-d14 (S)	78	%.	32-111	1	03/02/15 11:20	03/02/15 23:24	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	87.1	1		03/02/15 20:15	67-64-1	
Acrolein	ND	ug/kg	87.1	1		03/02/15 20:15	107-02-8	
Acrylonitrile	ND	ug/kg	87.1	1		03/02/15 20:15	107-13-1	
Benzene	ND	ug/kg	4.4	1		03/02/15 20:15	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		03/02/15 20:15	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		03/02/15 20:15	75-27-4	
Bromoform	ND	ug/kg	4.4	1		03/02/15 20:15	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		03/02/15 20:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.8	1		03/02/15 20:15	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-1 (4-5) Lab ID: 50113219002 Collected: 02/24/15 13:50 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	98-06-6	
Carbon disulfide	ND	ug/kg	8.7	1		03/02/15 20:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		03/02/15 20:15	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	75-00-3	
Chloroform	ND	ug/kg	4.4	1		03/02/15 20:15	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		03/02/15 20:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		03/02/15 20:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		03/02/15 20:15	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		03/02/15 20:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		03/02/15 20:15	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		03/02/15 20:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	87.1	1		03/02/15 20:15	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		03/02/15 20:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 20:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 20:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 20:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 20:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 20:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 20:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 20:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 20:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 20:15	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	100-41-4	
Ethyl methacrylate	ND	ug/kg	87.1	1		03/02/15 20:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		03/02/15 20:15	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		03/02/15 20:15	110-54-3	
2-Hexanone	ND	ug/kg	87.1	1		03/02/15 20:15	591-78-6	
Iodomethane	ND	ug/kg	87.1	1		03/02/15 20:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		03/02/15 20:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		03/02/15 20:15	99-87-6	
Methylene Chloride	ND	ug/kg	17.4	1		03/02/15 20:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.8	1		03/02/15 20:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		03/02/15 20:15	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	103-65-1	
Styrene	ND	ug/kg	4.4	1		03/02/15 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		03/02/15 20:15	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-1 (4-5) Lab ID: 50113219002 Collected: 02/24/15 13:50 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.4	1		03/02/15 20:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		03/02/15 20:15	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		03/02/15 20:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		03/02/15 20:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		03/02/15 20:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		03/02/15 20:15	108-67-8	
Vinyl acetate	ND	ug/kg	87.1	1		03/02/15 20:15	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		03/02/15 20:15	75-01-4	
Xylene (Total)	ND	ug/kg	8.7	1		03/02/15 20:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	85-118	1		03/02/15 20:15	1868-53-7	
Toluene-d8 (S)	94	%	71-128	1		03/02/15 20:15	2037-26-5	
4-Bromofluorobenzene (S)	94	%	56-144	1		03/02/15 20:15	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.0	%	0.10	1		02/26/15 10:01		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-2 (0-2) Lab ID: 50113219003 Collected: 02/24/15 14:15 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	3.8	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:10	7440-38-2	
Barium	53.6	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:10	7440-39-3	
Cadmium	ND	mg/kg	0.62	1	02/27/15 11:11	03/03/15 01:10	7440-43-9	
Chromium	16.5	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:10	7440-47-3	
Lead	17.9	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:10	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:10	7782-49-2	
Silver	ND	mg/kg	0.62	1	02/27/15 11:11	03/03/15 01:10	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.27	1	03/04/15 13:06	03/05/15 11:33	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	208-96-8	
Anthracene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	207-08-9	
Chrysene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	53-70-3	
Fluoranthene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	206-44-0	
Fluorene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	91-57-6	
Naphthalene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	91-20-3	
Phenanthrene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	85-01-8	
Pyrene	ND	ug/kg	6.1	1	03/02/15 11:20	03/02/15 23:42	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	66	%.	38-110	1	03/02/15 11:20	03/02/15 23:42	321-60-8	
p-Terphenyl-d14 (S)	76	%.	32-111	1	03/02/15 11:20	03/02/15 23:42	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	92.3	1		03/03/15 00:50	67-64-1	
Acrolein	ND	ug/kg	92.3	1		03/03/15 00:50	107-02-8	
Acrylonitrile	ND	ug/kg	92.3	1		03/03/15 00:50	107-13-1	
Benzene	ND	ug/kg	4.6	1		03/03/15 00:50	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		03/03/15 00:50	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		03/03/15 00:50	75-27-4	
Bromoform	ND	ug/kg	4.6	1		03/03/15 00:50	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		03/03/15 00:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.1	1		03/03/15 00:50	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-2 (0-2) Lab ID: 50113219003 Collected: 02/24/15 14:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	98-06-6	
Carbon disulfide	ND	ug/kg	9.2	1		03/03/15 00:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		03/03/15 00:50	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	75-00-3	
Chloroform	ND	ug/kg	4.6	1		03/03/15 00:50	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		03/03/15 00:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 00:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 00:50	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		03/03/15 00:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		03/03/15 00:50	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		03/03/15 00:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	92.3	1		03/03/15 00:50	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		03/03/15 00:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 00:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 00:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 00:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 00:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 00:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 00:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 00:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 00:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 00:50	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	100-41-4	
Ethyl methacrylate	ND	ug/kg	92.3	1		03/03/15 00:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		03/03/15 00:50	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		03/03/15 00:50	110-54-3	
2-Hexanone	ND	ug/kg	92.3	1		03/03/15 00:50	591-78-6	
Iodomethane	ND	ug/kg	92.3	1		03/03/15 00:50	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		03/03/15 00:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		03/03/15 00:50	99-87-6	
Methylene Chloride	ND	ug/kg	18.5	1		03/03/15 00:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.1	1		03/03/15 00:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		03/03/15 00:50	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	103-65-1	
Styrene	ND	ug/kg	4.6	1		03/03/15 00:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	79-34-5	
Tetrachloroethene	47.0	ug/kg	4.6	1		03/03/15 00:50	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-2 (0-2) Lab ID: 50113219003 Collected: 02/24/15 14:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.6	1		03/03/15 00:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 00:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 00:50	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		03/03/15 00:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		03/03/15 00:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		03/03/15 00:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 00:50	108-67-8	
Vinyl acetate	ND	ug/kg	92.3	1		03/03/15 00:50	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		03/03/15 00:50	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		03/03/15 00:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	85-118	1		03/03/15 00:50	1868-53-7	
Toluene-d8 (S)	93	%	71-128	1		03/03/15 00:50	2037-26-5	
4-Bromofluorobenzene (S)	97	%	56-144	1		03/03/15 00:50	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.8	%	0.10	1		02/26/15 10:02		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-2 (4-5) Lab ID: 50113219004 Collected: 02/24/15 14:40 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.1	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:12	7440-38-2	
Barium	82.1	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:12	7440-39-3	
Cadmium	ND	mg/kg	0.52	1	02/27/15 11:11	03/03/15 01:12	7440-43-9	
Chromium	22.2	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:12	7440-47-3	
Lead	14.3	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:12	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:12	7782-49-2	
Silver	ND	mg/kg	0.52	1	02/27/15 11:11	03/03/15 01:12	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:06	03/05/15 11:35	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	83-32-9	
Acenaphthylene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	208-96-8	
Anthracene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	207-08-9	
Chrysene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	53-70-3	
Fluoranthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	206-44-0	
Fluorene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	91-57-6	
Naphthalene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	91-20-3	
Phenanthrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	85-01-8	
Pyrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 00:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	86	%.	38-110	1	03/02/15 11:45	03/03/15 00:36	321-60-8	
p-Terphenyl-d14 (S)	86	%.	32-111	1	03/02/15 11:45	03/03/15 00:36	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	105	1		03/03/15 01:15	67-64-1	
Acrolein	ND	ug/kg	105	1		03/03/15 01:15	107-02-8	
Acrylonitrile	ND	ug/kg	105	1		03/03/15 01:15	107-13-1	
Benzene	ND	ug/kg	5.2	1		03/03/15 01:15	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		03/03/15 01:15	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		03/03/15 01:15	75-27-4	
Bromoform	ND	ug/kg	5.2	1		03/03/15 01:15	75-25-2	
Bromomethane	ND	ug/kg	5.2	1		03/03/15 01:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.2	1		03/03/15 01:15	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-2 (4-5) Lab ID: 50113219004 Collected: 02/24/15 14:40 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	98-06-6	
Carbon disulfide	ND	ug/kg	10.5	1		03/03/15 01:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1		03/03/15 01:15	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	108-90-7	
Chloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	75-00-3	
Chloroform	ND	ug/kg	5.2	1		03/03/15 01:15	67-66-3	
Chloromethane	ND	ug/kg	5.2	1		03/03/15 01:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		03/03/15 01:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		03/03/15 01:15	106-43-4	
Dibromochloromethane	ND	ug/kg	5.2	1		03/03/15 01:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		03/03/15 01:15	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		03/03/15 01:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	105	1		03/03/15 01:15	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.2	1		03/03/15 01:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		03/03/15 01:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		03/03/15 01:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		03/03/15 01:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		03/03/15 01:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		03/03/15 01:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		03/03/15 01:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		03/03/15 01:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		03/03/15 01:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		03/03/15 01:15	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	100-41-4	
Ethyl methacrylate	ND	ug/kg	105	1		03/03/15 01:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		03/03/15 01:15	87-68-3	
n-Hexane	ND	ug/kg	5.2	1		03/03/15 01:15	110-54-3	
2-Hexanone	ND	ug/kg	105	1		03/03/15 01:15	591-78-6	
Iodomethane	ND	ug/kg	105	1		03/03/15 01:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		03/03/15 01:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		03/03/15 01:15	99-87-6	
Methylene Chloride	ND	ug/kg	21.0	1		03/03/15 01:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.2	1		03/03/15 01:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		03/03/15 01:15	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	103-65-1	
Styrene	ND	ug/kg	5.2	1		03/03/15 01:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	79-34-5	
Tetrachloroethene	41.7	ug/kg	5.2	1		03/03/15 01:15	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-2 (4-5) Lab ID: 50113219004 Collected: 02/24/15 14:40 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	5.2	1		03/03/15 01:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		03/03/15 01:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		03/03/15 01:15	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		03/03/15 01:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		03/03/15 01:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		03/03/15 01:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		03/03/15 01:15	108-67-8	
Vinyl acetate	ND	ug/kg	105	1		03/03/15 01:15	108-05-4	
Vinyl chloride	ND	ug/kg	5.2	1		03/03/15 01:15	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		03/03/15 01:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	85-118	1		03/03/15 01:15	1868-53-7	
Toluene-d8 (S)	92	%	71-128	1		03/03/15 01:15	2037-26-5	
4-Bromofluorobenzene (S)	94	%	56-144	1		03/03/15 01:15	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	20.2	%	0.10	1		02/26/15 10:02
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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-3 (0-2) Lab ID: 50113219005 Collected: 02/24/15 15:15 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	9.5	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:19	7440-38-2	
Barium	95.3	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:19	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	02/27/15 11:11	03/03/15 01:19	7440-43-9	
Chromium	21.9	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:19	7440-47-3	
Lead	18.6	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:19	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:19	7782-49-2	
Silver	ND	mg/kg	0.54	1	02/27/15 11:11	03/03/15 01:19	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:06	03/05/15 11:37	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	207-08-9	
Chrysene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	53-70-3	
Fluoranthene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	91-57-6	
Naphthalene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	91-20-3	
Phenanthrene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	85-01-8	
Pyrene	ND	ug/kg	6.0	1	03/02/15 11:45	03/03/15 00:54	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	81	%.	38-110	1	03/02/15 11:45	03/03/15 00:54	321-60-8	
p-Terphenyl-d14 (S)	89	%.	32-111	1	03/02/15 11:45	03/03/15 00:54	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	92.4	1		03/03/15 01:40	67-64-1	
Acrolein	ND	ug/kg	92.4	1		03/03/15 01:40	107-02-8	
Acrylonitrile	ND	ug/kg	92.4	1		03/03/15 01:40	107-13-1	
Benzene	ND	ug/kg	4.6	1		03/03/15 01:40	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		03/03/15 01:40	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		03/03/15 01:40	75-27-4	
Bromoform	ND	ug/kg	4.6	1		03/03/15 01:40	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		03/03/15 01:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.1	1		03/03/15 01:40	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-3 (0-2) Lab ID: 50113219005 Collected: 02/24/15 15:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	98-06-6	
Carbon disulfide	ND	ug/kg	9.2	1		03/03/15 01:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		03/03/15 01:40	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	75-00-3	
Chloroform	ND	ug/kg	4.6	1		03/03/15 01:40	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		03/03/15 01:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 01:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 01:40	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		03/03/15 01:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		03/03/15 01:40	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		03/03/15 01:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	92.4	1		03/03/15 01:40	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		03/03/15 01:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 01:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 01:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 01:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 01:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 01:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 01:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 01:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 01:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 01:40	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	100-41-4	
Ethyl methacrylate	ND	ug/kg	92.4	1		03/03/15 01:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		03/03/15 01:40	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		03/03/15 01:40	110-54-3	
2-Hexanone	ND	ug/kg	92.4	1		03/03/15 01:40	591-78-6	
Iodomethane	ND	ug/kg	92.4	1		03/03/15 01:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		03/03/15 01:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		03/03/15 01:40	99-87-6	
Methylene Chloride	ND	ug/kg	18.5	1		03/03/15 01:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.1	1		03/03/15 01:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		03/03/15 01:40	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	103-65-1	
Styrene	ND	ug/kg	4.6	1		03/03/15 01:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		03/03/15 01:40	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-3 (0-2) Lab ID: 50113219005 Collected: 02/24/15 15:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.6	1		03/03/15 01:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 01:40	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		03/03/15 01:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		03/03/15 01:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		03/03/15 01:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 01:40	108-67-8	
Vinyl acetate	ND	ug/kg	92.4	1		03/03/15 01:40	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		03/03/15 01:40	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		03/03/15 01:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	85-118	1		03/03/15 01:40	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		03/03/15 01:40	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	56-144	1		03/03/15 01:40	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.5	%	0.10	1		02/26/15 10:02		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-3 (12-14) Lab ID: 50113219006 Collected: 02/24/15 15:30 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.7	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:21	7440-38-2	
Barium	48.5	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:21	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	02/27/15 11:11	03/03/15 01:21	7440-43-9	
Chromium	15.4	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:21	7440-47-3	
Lead	14.1	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:21	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:21	7782-49-2	
Silver	ND	mg/kg	0.55	1	02/27/15 11:11	03/03/15 01:21	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.22	1	03/04/15 13:06	03/05/15 11:39	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	83-32-9	
Acenaphthylene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	208-96-8	
Anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	207-08-9	
Chrysene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	53-70-3	
Fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	206-44-0	
Fluorene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	91-57-6	
Naphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	91-20-3	
Phenanthrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	85-01-8	
Pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:12	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	80	%.	38-110	1	03/02/15 11:45	03/03/15 01:12	321-60-8	
p-Terphenyl-d14 (S)	90	%.	32-111	1	03/02/15 11:45	03/03/15 01:12	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	79.9	1		03/03/15 02:05	67-64-1	
Acrolein	ND	ug/kg	79.9	1		03/03/15 02:05	107-02-8	
Acrylonitrile	ND	ug/kg	79.9	1		03/03/15 02:05	107-13-1	
Benzene	ND	ug/kg	4.0	1		03/03/15 02:05	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1		03/03/15 02:05	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		03/03/15 02:05	75-27-4	
Bromoform	ND	ug/kg	4.0	1		03/03/15 02:05	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		03/03/15 02:05	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.0	1		03/03/15 02:05	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-3 (12-14) Lab ID: 50113219006 Collected: 02/24/15 15:30 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	98-06-6	
Carbon disulfide	ND	ug/kg	8.0	1		03/03/15 02:05	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		03/03/15 02:05	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	75-00-3	
Chloroform	ND	ug/kg	4.0	1		03/03/15 02:05	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		03/03/15 02:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1		03/03/15 02:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1		03/03/15 02:05	106-43-4	
Dibromochloromethane	ND	ug/kg	4.0	1		03/03/15 02:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1		03/03/15 02:05	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1		03/03/15 02:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	79.9	1		03/03/15 02:05	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.0	1		03/03/15 02:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1		03/03/15 02:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/03/15 02:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/03/15 02:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		03/03/15 02:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		03/03/15 02:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		03/03/15 02:05	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		03/03/15 02:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/03/15 02:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/03/15 02:05	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	100-41-4	
Ethyl methacrylate	ND	ug/kg	79.9	1		03/03/15 02:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		03/03/15 02:05	87-68-3	
n-Hexane	ND	ug/kg	4.0	1		03/03/15 02:05	110-54-3	
2-Hexanone	ND	ug/kg	79.9	1		03/03/15 02:05	591-78-6	
Iodomethane	ND	ug/kg	79.9	1		03/03/15 02:05	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		03/03/15 02:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		03/03/15 02:05	99-87-6	
Methylene Chloride	ND	ug/kg	16.0	1		03/03/15 02:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.0	1		03/03/15 02:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		03/03/15 02:05	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	103-65-1	
Styrene	ND	ug/kg	4.0	1		03/03/15 02:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		03/03/15 02:05	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-3 (12-14) Lab ID: 50113219006 Collected: 02/24/15 15:30 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.0	1		03/03/15 02:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		03/03/15 02:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		03/03/15 02:05	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		03/03/15 02:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1		03/03/15 02:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		03/03/15 02:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		03/03/15 02:05	108-67-8	
Vinyl acetate	ND	ug/kg	79.9	1		03/03/15 02:05	108-05-4	
Vinyl chloride	ND	ug/kg	4.0	1		03/03/15 02:05	75-01-4	
Xylene (Total)	ND	ug/kg	8.0	1		03/03/15 02:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	85-118	1		03/03/15 02:05	1868-53-7	
Toluene-d8 (S)	93	%	71-128	1		03/03/15 02:05	2037-26-5	
4-Bromofluorobenzene (S)	94	%	56-144	1		03/03/15 02:05	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.6	%	0.10	1		02/26/15 10:02		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-4 (0-2) Lab ID: 50113219007 Collected: 02/24/15 16:05 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	10.3	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:23	7440-38-2	
Barium	59.6	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:23	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/27/15 11:11	03/03/15 01:23	7440-43-9	
Chromium	17.6	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:23	7440-47-3	
Lead	16.7	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:23	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:23	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/27/15 11:11	03/03/15 01:23	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:06	03/05/15 11:41	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	7.9	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	208-96-8	
Anthracene	12.3	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	120-12-7	
Benzo(a)anthracene	46.2	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	56-55-3	
Benzo(a)pyrene	44.1	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	50-32-8	
Benzo(b)fluoranthene	56.4	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	205-99-2	
Benzo(g,h,i)perylene	31.3	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	191-24-2	
Benzo(k)fluoranthene	36.9	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	207-08-9	
Chrysene	62.3	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	218-01-9	
Dibenz(a,h)anthracene	13.7	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	53-70-3	
Fluoranthene	123	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	206-44-0	
Fluorene	7.8	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	86-73-7	
Indeno(1,2,3-cd)pyrene	26.0	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	193-39-5	
1-Methylnaphthalene	48.8	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	90-12-0	
2-Methylnaphthalene	42.2	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	91-57-6	
Naphthalene	28.1	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	91-20-3	
Phenanthrene	116	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	85-01-8	
Pyrene	104	ug/kg	6.1	1	03/02/15 11:45	03/03/15 01:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	71	%.	38-110	1	03/02/15 11:45	03/03/15 01:30	321-60-8	
p-Terphenyl-d14 (S)	75	%.	32-111	1	03/02/15 11:45	03/03/15 01:30	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	87.7	1		03/03/15 02:30	67-64-1	
Acrolein	ND	ug/kg	87.7	1		03/03/15 02:30	107-02-8	
Acrylonitrile	ND	ug/kg	87.7	1		03/03/15 02:30	107-13-1	
Benzene	ND	ug/kg	4.4	1		03/03/15 02:30	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		03/03/15 02:30	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		03/03/15 02:30	75-27-4	
Bromoform	ND	ug/kg	4.4	1		03/03/15 02:30	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		03/03/15 02:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.9	1		03/03/15 02:30	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-4 (0-2) Lab ID: 50113219007 Collected: 02/24/15 16:05 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	98-06-6	
Carbon disulfide	ND	ug/kg	8.8	1		03/03/15 02:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		03/03/15 02:30	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	75-00-3	
Chloroform	ND	ug/kg	4.4	1		03/03/15 02:30	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		03/03/15 02:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		03/03/15 02:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		03/03/15 02:30	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		03/03/15 02:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		03/03/15 02:30	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		03/03/15 02:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	87.7	1		03/03/15 02:30	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		03/03/15 02:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		03/03/15 02:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/03/15 02:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/03/15 02:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		03/03/15 02:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		03/03/15 02:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		03/03/15 02:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		03/03/15 02:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/03/15 02:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/03/15 02:30	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	100-41-4	
Ethyl methacrylate	ND	ug/kg	87.7	1		03/03/15 02:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		03/03/15 02:30	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		03/03/15 02:30	110-54-3	
2-Hexanone	ND	ug/kg	87.7	1		03/03/15 02:30	591-78-6	
Iodomethane	ND	ug/kg	87.7	1		03/03/15 02:30	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		03/03/15 02:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		03/03/15 02:30	99-87-6	
Methylene Chloride	ND	ug/kg	17.5	1		03/03/15 02:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.9	1		03/03/15 02:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		03/03/15 02:30	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	103-65-1	
Styrene	ND	ug/kg	4.4	1		03/03/15 02:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		03/03/15 02:30	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-4 (0-2) Lab ID: 50113219007 Collected: 02/24/15 16:05 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.4	1		03/03/15 02:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		03/03/15 02:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		03/03/15 02:30	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		03/03/15 02:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		03/03/15 02:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		03/03/15 02:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		03/03/15 02:30	108-67-8	
Vinyl acetate	ND	ug/kg	87.7	1		03/03/15 02:30	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		03/03/15 02:30	75-01-4	
Xylene (Total)	ND	ug/kg	8.8	1		03/03/15 02:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	85-118	1		03/03/15 02:30	1868-53-7	
Toluene-d8 (S)	94	%	71-128	1		03/03/15 02:30	2037-26-5	
4-Bromofluorobenzene (S)	91	%	56-144	1		03/03/15 02:30	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.4	%	0.10	1		02/26/15 10:02		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-4 (6-8) **Lab ID: 50113219008** Collected: 02/24/15 16:20 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.2	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:25	7440-38-2	
Barium	22.6	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:25	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:25	7440-43-9	
Chromium	16.9	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:25	7440-47-3	
Lead	16.1	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:25	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:25	7782-49-2	
Silver	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:25	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:06	03/05/15 11:44	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	83-32-9	
Acenaphthylene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	208-96-8	
Anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	191-24-2	
Benzo(k)fluoranthene	7.3	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	207-08-9	
Chrysene	7.7	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	53-70-3	
Fluoranthene	7.7	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	206-44-0	
Fluorene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	91-57-6	
Naphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	91-20-3	
Phenanthrene	7.6	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	85-01-8	
Pyrene	5.9	ug/kg	5.8	1	03/02/15 11:45	03/03/15 01:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	79	%.	38-110	1	03/02/15 11:45	03/03/15 01:48	321-60-8	
p-Terphenyl-d14 (S)	89	%.	32-111	1	03/02/15 11:45	03/03/15 01:48	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	84.0	1		03/03/15 02:55	67-64-1	
Acrolein	ND	ug/kg	84.0	1		03/03/15 02:55	107-02-8	
Acrylonitrile	ND	ug/kg	84.0	1		03/03/15 02:55	107-13-1	
Benzene	ND	ug/kg	4.2	1		03/03/15 02:55	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		03/03/15 02:55	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		03/03/15 02:55	75-27-4	
Bromoform	ND	ug/kg	4.2	1		03/03/15 02:55	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		03/03/15 02:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.0	1		03/03/15 02:55	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-4 (6-8) Lab ID: 50113219008 Collected: 02/24/15 16:20 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	98-06-6	
Carbon disulfide	ND	ug/kg	8.4	1		03/03/15 02:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		03/03/15 02:55	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	75-00-3	
Chloroform	ND	ug/kg	4.2	1		03/03/15 02:55	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		03/03/15 02:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		03/03/15 02:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		03/03/15 02:55	106-43-4	
Dibromochloromethane	ND	ug/kg	4.2	1		03/03/15 02:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		03/03/15 02:55	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		03/03/15 02:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	84.0	1		03/03/15 02:55	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.2	1		03/03/15 02:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 02:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 02:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 02:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 02:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 02:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 02:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 02:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 02:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 02:55	10061-02-6	
Ethylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	100-41-4	
Ethyl methacrylate	ND	ug/kg	84.0	1		03/03/15 02:55	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		03/03/15 02:55	87-68-3	
n-Hexane	ND	ug/kg	4.2	1		03/03/15 02:55	110-54-3	
2-Hexanone	ND	ug/kg	84.0	1		03/03/15 02:55	591-78-6	
Iodomethane	ND	ug/kg	84.0	1		03/03/15 02:55	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		03/03/15 02:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		03/03/15 02:55	99-87-6	
Methylene Chloride	ND	ug/kg	16.8	1		03/03/15 02:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.0	1		03/03/15 02:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		03/03/15 02:55	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	103-65-1	
Styrene	ND	ug/kg	4.2	1		03/03/15 02:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		03/03/15 02:55	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-4 (6-8) Lab ID: 50113219008 Collected: 02/24/15 16:20 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.2	1		03/03/15 02:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		03/03/15 02:55	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		03/03/15 02:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		03/03/15 02:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		03/03/15 02:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		03/03/15 02:55	108-67-8	
Vinyl acetate	ND	ug/kg	84.0	1		03/03/15 02:55	108-05-4	
Vinyl chloride	ND	ug/kg	4.2	1		03/03/15 02:55	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	1		03/03/15 02:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	85-118	1		03/03/15 02:55	1868-53-7	
Toluene-d8 (S)	95	%	71-128	1		03/03/15 02:55	2037-26-5	
4-Bromofluorobenzene (S)	96	%	56-144	1		03/03/15 02:55	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.2	%	0.10	1		02/26/15 10:03		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-5 (0-2) Lab ID: 50113219009 Collected: 02/24/15 16:40 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	2.8	mg/kg	0.99	1	02/27/15 11:11	03/03/15 01:27	7440-38-2	
Barium	90.8	mg/kg	0.99	1	02/27/15 11:11	03/03/15 01:27	7440-39-3	
Cadmium	ND	mg/kg	0.50	1	02/27/15 11:11	03/03/15 01:27	7440-43-9	
Chromium	16.7	mg/kg	0.99	1	02/27/15 11:11	03/03/15 01:27	7440-47-3	
Lead	13.4	mg/kg	0.99	1	02/27/15 11:11	03/03/15 01:27	7439-92-1	
Selenium	ND	mg/kg	0.99	1	02/27/15 11:11	03/03/15 01:27	7782-49-2	
Silver	ND	mg/kg	0.50	1	02/27/15 11:11	03/03/15 01:27	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:06	03/05/15 11:50	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:06	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	90	%.	38-110	1	03/02/15 11:45	03/03/15 02:06	321-60-8	
p-Terphenyl-d14 (S)	93	%.	32-111	1	03/02/15 11:45	03/03/15 02:06	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	94.0	1		03/03/15 03:20	67-64-1	
Acrolein	ND	ug/kg	94.0	1		03/03/15 03:20	107-02-8	
Acrylonitrile	ND	ug/kg	94.0	1		03/03/15 03:20	107-13-1	
Benzene	ND	ug/kg	4.7	1		03/03/15 03:20	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		03/03/15 03:20	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		03/03/15 03:20	75-27-4	
Bromoform	ND	ug/kg	4.7	1		03/03/15 03:20	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		03/03/15 03:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.5	1		03/03/15 03:20	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-5 (0-2) Lab ID: 50113219009 Collected: 02/24/15 16:40 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	98-06-6	
Carbon disulfide	ND	ug/kg	9.4	1		03/03/15 03:20	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		03/03/15 03:20	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	75-00-3	
Chloroform	ND	ug/kg	4.7	1		03/03/15 03:20	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		03/03/15 03:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 03:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 03:20	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		03/03/15 03:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		03/03/15 03:20	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		03/03/15 03:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	94.0	1		03/03/15 03:20	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		03/03/15 03:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 03:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 03:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 03:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 03:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 03:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 03:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 03:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 03:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 03:20	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	100-41-4	
Ethyl methacrylate	ND	ug/kg	94.0	1		03/03/15 03:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		03/03/15 03:20	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		03/03/15 03:20	110-54-3	
2-Hexanone	ND	ug/kg	94.0	1		03/03/15 03:20	591-78-6	
Iodomethane	ND	ug/kg	94.0	1		03/03/15 03:20	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		03/03/15 03:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		03/03/15 03:20	99-87-6	
Methylene Chloride	ND	ug/kg	18.8	1		03/03/15 03:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.5	1		03/03/15 03:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		03/03/15 03:20	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	103-65-1	
Styrene	ND	ug/kg	4.7	1		03/03/15 03:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		03/03/15 03:20	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-5 (0-2) Lab ID: 50113219009 Collected: 02/24/15 16:40 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.7	1		03/03/15 03:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 03:20	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		03/03/15 03:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		03/03/15 03:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		03/03/15 03:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 03:20	108-67-8	
Vinyl acetate	ND	ug/kg	94.0	1		03/03/15 03:20	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		03/03/15 03:20	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		03/03/15 03:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	85-118	1		03/03/15 03:20	1868-53-7	
Toluene-d8 (S)	93	%	71-128	1		03/03/15 03:20	2037-26-5	
4-Bromofluorobenzene (S)	93	%	56-144	1		03/03/15 03:20	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.0	%	0.10	1		02/26/15 10:03		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-5 (6-8) Lab ID: 50113219010 Collected: 02/24/15 16:50 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	2.7	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:29	7440-38-2	
Barium	22.7	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:29	7440-39-3	
Cadmium	ND	mg/kg	0.51	1	02/27/15 11:11	03/03/15 01:29	7440-43-9	
Chromium	15.8	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:29	7440-47-3	
Lead	11.9	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:29	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:29	7782-49-2	
Silver	ND	mg/kg	0.51	1	02/27/15 11:11	03/03/15 01:29	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.21	1	03/04/15 13:06	03/05/15 11:52	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	83-32-9	
Acenaphthylene	ND	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	208-96-8	
Anthracene	10.2	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	120-12-7	
Benzo(a)anthracene	49.2	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	56-55-3	
Benzo(a)pyrene	34.9	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	50-32-8	
Benzo(b)fluoranthene	98.6	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	205-99-2	
Benzo(g,h,i)perylene	57.3	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	191-24-2	
Benzo(k)fluoranthene	39.7	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	207-08-9	
Chrysene	120	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	218-01-9	
Dibenz(a,h)anthracene	18.8	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	53-70-3	
Fluoranthene	214	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	206-44-0	
Fluorene	ND	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	86-73-7	
Indeno(1,2,3-cd)pyrene	25.4	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	193-39-5	
1-Methylnaphthalene	349	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	90-12-0	
2-Methylnaphthalene	217	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	91-57-6	
Naphthalene	335	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	91-20-3	
Phenanthrene	1050	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	85-01-8	
Pyrene	166	ug/kg	5.5	1	03/02/15 11:45	03/03/15 02:23	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	87	%.	38-110	1	03/02/15 11:45	03/03/15 02:23	321-60-8	
p-Terphenyl-d14 (S)	93	%.	32-111	1	03/02/15 11:45	03/03/15 02:23	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	82.1	1		03/03/15 03:45	67-64-1	
Acrolein	ND	ug/kg	82.1	1		03/03/15 03:45	107-02-8	
Acrylonitrile	ND	ug/kg	82.1	1		03/03/15 03:45	107-13-1	
Benzene	ND	ug/kg	4.1	1		03/03/15 03:45	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		03/03/15 03:45	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		03/03/15 03:45	75-27-4	
Bromoform	ND	ug/kg	4.1	1		03/03/15 03:45	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		03/03/15 03:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.5	1		03/03/15 03:45	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-5 (6-8) Lab ID: 50113219010 Collected: 02/24/15 16:50 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	98-06-6	
Carbon disulfide	ND	ug/kg	8.2	1		03/03/15 03:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		03/03/15 03:45	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	75-00-3	
Chloroform	ND	ug/kg	4.1	1		03/03/15 03:45	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		03/03/15 03:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		03/03/15 03:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		03/03/15 03:45	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		03/03/15 03:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		03/03/15 03:45	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		03/03/15 03:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	82.1	1		03/03/15 03:45	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		03/03/15 03:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 03:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 03:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 03:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 03:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 03:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 03:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 03:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 03:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 03:45	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	100-41-4	
Ethyl methacrylate	ND	ug/kg	82.1	1		03/03/15 03:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		03/03/15 03:45	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		03/03/15 03:45	110-54-3	
2-Hexanone	ND	ug/kg	82.1	1		03/03/15 03:45	591-78-6	
Iodomethane	ND	ug/kg	82.1	1		03/03/15 03:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		03/03/15 03:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		03/03/15 03:45	99-87-6	
Methylene Chloride	ND	ug/kg	16.4	1		03/03/15 03:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.5	1		03/03/15 03:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		03/03/15 03:45	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	103-65-1	
Styrene	ND	ug/kg	4.1	1		03/03/15 03:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		03/03/15 03:45	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-5 (6-8) Lab ID: 50113219010 Collected: 02/24/15 16:50 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.1	1		03/03/15 03:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		03/03/15 03:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		03/03/15 03:45	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		03/03/15 03:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		03/03/15 03:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		03/03/15 03:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		03/03/15 03:45	108-67-8	
Vinyl acetate	ND	ug/kg	82.1	1		03/03/15 03:45	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		03/03/15 03:45	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		03/03/15 03:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	85-118	1		03/03/15 03:45	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		03/03/15 03:45	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	56-144	1		03/03/15 03:45	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	10.4	%	0.10	1		02/26/15 10:03
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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: Blind Duplicate 1 Lab ID: 50113219011 Collected: 02/24/15 08:00 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	3.0	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:32	7440-38-2	
Barium	99.3	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:32	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:32	7440-43-9	
Chromium	17.1	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:32	7440-47-3	
Lead	15.5	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:32	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/27/15 11:11	03/03/15 01:32	7782-49-2	
Silver	ND	mg/kg	0.53	1	02/27/15 11:11	03/03/15 01:32	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:06	03/05/15 11:54	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/02/15 11:45	03/03/15 02:41	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	82	%.	38-110	1	03/02/15 11:45	03/03/15 02:41	321-60-8	
p-Terphenyl-d14 (S)	91	%.	32-111	1	03/02/15 11:45	03/03/15 02:41	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	97.0	1		03/03/15 04:10	67-64-1	
Acrolein	ND	ug/kg	97.0	1		03/03/15 04:10	107-02-8	
Acrylonitrile	ND	ug/kg	97.0	1		03/03/15 04:10	107-13-1	
Benzene	ND	ug/kg	4.9	1		03/03/15 04:10	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		03/03/15 04:10	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		03/03/15 04:10	75-27-4	
Bromoform	ND	ug/kg	4.9	1		03/03/15 04:10	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		03/03/15 04:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.3	1		03/03/15 04:10	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: Blind Duplicate 1 Lab ID: 50113219011 Collected: 02/24/15 08:00 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	98-06-6	
Carbon disulfide	ND	ug/kg	9.7	1		03/03/15 04:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		03/03/15 04:10	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	75-00-3	
Chloroform	ND	ug/kg	4.9	1		03/03/15 04:10	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		03/03/15 04:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		03/03/15 04:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		03/03/15 04:10	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		03/03/15 04:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		03/03/15 04:10	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		03/03/15 04:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	97.0	1		03/03/15 04:10	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		03/03/15 04:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		03/03/15 04:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		03/03/15 04:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		03/03/15 04:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		03/03/15 04:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		03/03/15 04:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		03/03/15 04:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		03/03/15 04:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		03/03/15 04:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		03/03/15 04:10	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	100-41-4	
Ethyl methacrylate	ND	ug/kg	97.0	1		03/03/15 04:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		03/03/15 04:10	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		03/03/15 04:10	110-54-3	
2-Hexanone	ND	ug/kg	97.0	1		03/03/15 04:10	591-78-6	
Iodomethane	ND	ug/kg	97.0	1		03/03/15 04:10	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		03/03/15 04:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		03/03/15 04:10	99-87-6	
Methylene Chloride	ND	ug/kg	19.4	1		03/03/15 04:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.3	1		03/03/15 04:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		03/03/15 04:10	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	103-65-1	
Styrene	ND	ug/kg	4.9	1		03/03/15 04:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		03/03/15 04:10	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: Blind Duplicate 1 Lab ID: 50113219011 Collected: 02/24/15 08:00 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.9	1		03/03/15 04:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		03/03/15 04:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		03/03/15 04:10	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		03/03/15 04:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		03/03/15 04:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		03/03/15 04:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		03/03/15 04:10	108-67-8	
Vinyl acetate	ND	ug/kg	97.0	1		03/03/15 04:10	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		03/03/15 04:10	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	1		03/03/15 04:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	85-118	1		03/03/15 04:10	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		03/03/15 04:10	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	56-144	1		03/03/15 04:10	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.5	%	0.10	1		02/27/15 10:50		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-6 (0-2) **Lab ID: 50113219012** Collected: 02/24/15 17:15 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.4	mg/kg	1.3	1	02/27/15 11:11	03/03/15 01:34	7440-38-2	
Barium	100	mg/kg	1.3	1	02/27/15 11:11	03/03/15 01:34	7440-39-3	
Cadmium	ND	mg/kg	0.63	1	02/27/15 11:11	03/03/15 01:34	7440-43-9	
Chromium	24.9	mg/kg	1.3	1	02/27/15 11:11	03/03/15 01:34	7440-47-3	
Lead	12.0	mg/kg	1.3	1	02/27/15 11:11	03/03/15 01:34	7439-92-1	
Selenium	ND	mg/kg	1.3	1	02/27/15 11:11	03/03/15 01:34	7782-49-2	
Silver	ND	mg/kg	0.63	1	02/27/15 11:11	03/03/15 01:34	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.27	1	03/04/15 13:06	03/05/15 11:56	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	83-32-9	
Acenaphthylene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	208-96-8	
Anthracene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	207-08-9	
Chrysene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	53-70-3	
Fluoranthene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	206-44-0	
Fluorene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	91-57-6	
Naphthalene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	91-20-3	
Phenanthrene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	85-01-8	
Pyrene	ND	ug/kg	6.4	1	03/02/15 11:45	03/03/15 02:59	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	75	%.	38-110	1	03/02/15 11:45	03/03/15 02:59	321-60-8	
p-Terphenyl-d14 (S)	80	%.	32-111	1	03/02/15 11:45	03/03/15 02:59	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	89.8	1		03/03/15 04:35	67-64-1	
Acrolein	ND	ug/kg	89.8	1		03/03/15 04:35	107-02-8	
Acrylonitrile	ND	ug/kg	89.8	1		03/03/15 04:35	107-13-1	
Benzene	ND	ug/kg	4.5	1		03/03/15 04:35	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		03/03/15 04:35	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		03/03/15 04:35	75-27-4	
Bromoform	ND	ug/kg	4.5	1		03/03/15 04:35	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		03/03/15 04:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.5	1		03/03/15 04:35	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-6 (0-2) Lab ID: 50113219012 Collected: 02/24/15 17:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	98-06-6	
Carbon disulfide	ND	ug/kg	9.0	1		03/03/15 04:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		03/03/15 04:35	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	75-00-3	
Chloroform	ND	ug/kg	4.5	1		03/03/15 04:35	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		03/03/15 04:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		03/03/15 04:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		03/03/15 04:35	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		03/03/15 04:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		03/03/15 04:35	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		03/03/15 04:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	89.8	1		03/03/15 04:35	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		03/03/15 04:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		03/03/15 04:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/03/15 04:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/03/15 04:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		03/03/15 04:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		03/03/15 04:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		03/03/15 04:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		03/03/15 04:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/03/15 04:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/03/15 04:35	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	100-41-4	
Ethyl methacrylate	ND	ug/kg	89.8	1		03/03/15 04:35	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		03/03/15 04:35	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		03/03/15 04:35	110-54-3	
2-Hexanone	ND	ug/kg	89.8	1		03/03/15 04:35	591-78-6	
Iodomethane	ND	ug/kg	89.8	1		03/03/15 04:35	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		03/03/15 04:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		03/03/15 04:35	99-87-6	
Methylene Chloride	ND	ug/kg	18.0	1		03/03/15 04:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.5	1		03/03/15 04:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		03/03/15 04:35	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	103-65-1	
Styrene	ND	ug/kg	4.5	1		03/03/15 04:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		03/03/15 04:35	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-6 (0-2) Lab ID: 50113219012 Collected: 02/24/15 17:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.5	1		03/03/15 04:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		03/03/15 04:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		03/03/15 04:35	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		03/03/15 04:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		03/03/15 04:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		03/03/15 04:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		03/03/15 04:35	108-67-8	
Vinyl acetate	ND	ug/kg	89.8	1		03/03/15 04:35	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		03/03/15 04:35	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	1		03/03/15 04:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	85-118	1		03/03/15 04:35	1868-53-7	
Toluene-d8 (S)	93	%	71-128	1		03/03/15 04:35	2037-26-5	
4-Bromofluorobenzene (S)	94	%	56-144	1		03/03/15 04:35	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	22.1	%	0.10	1		02/27/15 10:50
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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-6 (12-14) Lab ID: 50113219013 Collected: 02/24/15 17:40 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	2.6	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:36	7440-38-2	
Barium	26.8	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:36	7440-39-3	
Cadmium	ND	mg/kg	0.50	1	02/27/15 11:11	03/03/15 01:36	7440-43-9	
Chromium	16.6	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:36	7440-47-3	
Lead	16.0	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:36	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/27/15 11:11	03/03/15 01:36	7782-49-2	
Silver	ND	mg/kg	0.50	1	02/27/15 11:11	03/03/15 01:36	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:06	03/05/15 11:58	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	83-32-9	
Acenaphthylene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	208-96-8	
Anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	207-08-9	
Chrysene	17.5	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	53-70-3	
Fluoranthene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	206-44-0	
Fluorene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	91-57-6	
Naphthalene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	91-20-3	
Phenanthrene	6.3	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	85-01-8	
Pyrene	ND	ug/kg	5.8	1	03/02/15 11:45	03/03/15 03:17	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	100	%.	38-110	1	03/02/15 11:45	03/03/15 03:17	321-60-8	
p-Terphenyl-d14 (S)	102	%.	32-111	1	03/02/15 11:45	03/03/15 03:17	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	82.9	1		03/03/15 06:15	67-64-1	
Acrolein	ND	ug/kg	82.9	1		03/03/15 06:15	107-02-8	
Acrylonitrile	ND	ug/kg	82.9	1		03/03/15 06:15	107-13-1	
Benzene	ND	ug/kg	4.1	1		03/03/15 06:15	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		03/03/15 06:15	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		03/03/15 06:15	75-27-4	
Bromoform	ND	ug/kg	4.1	1		03/03/15 06:15	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		03/03/15 06:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.7	1		03/03/15 06:15	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-6 (12-14) Lab ID: 50113219013 Collected: 02/24/15 17:40 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	98-06-6	
Carbon disulfide	ND	ug/kg	8.3	1		03/03/15 06:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		03/03/15 06:15	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	75-00-3	
Chloroform	ND	ug/kg	4.1	1		03/03/15 06:15	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		03/03/15 06:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		03/03/15 06:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		03/03/15 06:15	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		03/03/15 06:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		03/03/15 06:15	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		03/03/15 06:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	82.9	1		03/03/15 06:15	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		03/03/15 06:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 06:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 06:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 06:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 06:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 06:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 06:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 06:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 06:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 06:15	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	100-41-4	
Ethyl methacrylate	ND	ug/kg	82.9	1		03/03/15 06:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		03/03/15 06:15	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		03/03/15 06:15	110-54-3	
2-Hexanone	ND	ug/kg	82.9	1		03/03/15 06:15	591-78-6	
Iodomethane	ND	ug/kg	82.9	1		03/03/15 06:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		03/03/15 06:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		03/03/15 06:15	99-87-6	
Methylene Chloride	ND	ug/kg	16.6	1		03/03/15 06:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.7	1		03/03/15 06:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		03/03/15 06:15	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	103-65-1	
Styrene	ND	ug/kg	4.1	1		03/03/15 06:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		03/03/15 06:15	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-6 (12-14) Lab ID: 50113219013 Collected: 02/24/15 17:40 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.1	1		03/03/15 06:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		03/03/15 06:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		03/03/15 06:15	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		03/03/15 06:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		03/03/15 06:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		03/03/15 06:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		03/03/15 06:15	108-67-8	
Vinyl acetate	ND	ug/kg	82.9	1		03/03/15 06:15	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		03/03/15 06:15	75-01-4	
Xylene (Total)	ND	ug/kg	8.3	1		03/03/15 06:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	85-118	1		03/03/15 06:15	1868-53-7	
Toluene-d8 (S)	92	%	71-128	1		03/03/15 06:15	2037-26-5	
4-Bromofluorobenzene (S)	96	%	56-144	1		03/03/15 06:15	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.5	%	0.10	1		02/27/15 10:51		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-7 (0-2) Lab ID: 50113219014 Collected: 02/24/15 18:05 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	10.6	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:52	7440-38-2	
Barium	57.5	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:52	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/27/15 11:11	03/03/15 01:52	7440-43-9	
Chromium	21.9	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:52	7440-47-3	
Lead	13.1	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:52	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:52	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/27/15 11:11	03/03/15 01:52	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:06	03/05/15 12:05	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	83-32-9	
Acenaphthylene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	208-96-8	
Anthracene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	207-08-9	
Chrysene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	53-70-3	
Fluoranthene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	206-44-0	
Fluorene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	91-57-6	
Naphthalene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	91-20-3	
Phenanthrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	85-01-8	
Pyrene	ND	ug/kg	6.2	1	03/02/15 11:45	03/03/15 04:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	75	%.	38-110	1	03/02/15 11:45	03/03/15 04:47	321-60-8	
p-Terphenyl-d14 (S)	70	%.	32-111	1	03/02/15 11:45	03/03/15 04:47	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	91.9	1		03/03/15 05:00	67-64-1	
Acrolein	ND	ug/kg	91.9	1		03/03/15 05:00	107-02-8	
Acrylonitrile	ND	ug/kg	91.9	1		03/03/15 05:00	107-13-1	
Benzene	ND	ug/kg	4.6	1		03/03/15 05:00	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		03/03/15 05:00	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		03/03/15 05:00	75-27-4	
Bromoform	ND	ug/kg	4.6	1		03/03/15 05:00	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		03/03/15 05:00	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.0	1		03/03/15 05:00	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-7 (0-2) Lab ID: 50113219014 Collected: 02/24/15 18:05 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	98-06-6	
Carbon disulfide	ND	ug/kg	9.2	1		03/03/15 05:00	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		03/03/15 05:00	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	75-00-3	
Chloroform	ND	ug/kg	4.6	1		03/03/15 05:00	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		03/03/15 05:00	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 05:00	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 05:00	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		03/03/15 05:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		03/03/15 05:00	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		03/03/15 05:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	91.9	1		03/03/15 05:00	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		03/03/15 05:00	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 05:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 05:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 05:00	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 05:00	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 05:00	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 05:00	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 05:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 05:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 05:00	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	100-41-4	
Ethyl methacrylate	ND	ug/kg	91.9	1		03/03/15 05:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		03/03/15 05:00	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		03/03/15 05:00	110-54-3	
2-Hexanone	ND	ug/kg	91.9	1		03/03/15 05:00	591-78-6	
Iodomethane	ND	ug/kg	91.9	1		03/03/15 05:00	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		03/03/15 05:00	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		03/03/15 05:00	99-87-6	
Methylene Chloride	ND	ug/kg	18.4	1		03/03/15 05:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.0	1		03/03/15 05:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		03/03/15 05:00	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	103-65-1	
Styrene	ND	ug/kg	4.6	1		03/03/15 05:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		03/03/15 05:00	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-7 (0-2) Lab ID: 50113219014 Collected: 02/24/15 18:05 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.6	1		03/03/15 05:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 05:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 05:00	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		03/03/15 05:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		03/03/15 05:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		03/03/15 05:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 05:00	108-67-8	
Vinyl acetate	ND	ug/kg	91.9	1		03/03/15 05:00	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		03/03/15 05:00	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		03/03/15 05:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	85-118	1		03/03/15 05:00	1868-53-7	
Toluene-d8 (S)	92	%.	71-128	1		03/03/15 05:00	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	56-144	1		03/03/15 05:00	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	20.0	%	0.10	1		02/27/15 10:51		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-7 (6-8) **Lab ID: 50113219015** Collected: 02/24/15 18:15 Received: 02/25/15 10:35 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	8.7	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:54	7440-38-2	
Barium	60.1	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:54	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/27/15 11:11	03/03/15 01:54	7440-43-9	
Chromium	23.7	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:54	7440-47-3	
Lead	17.5	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:54	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/27/15 11:11	03/03/15 01:54	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/27/15 11:11	03/03/15 01:54	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:06	03/05/15 12:07	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	208-96-8	
Anthracene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	207-08-9	
Chrysene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	53-70-3	
Fluoranthene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	206-44-0	
Fluorene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	91-57-6	
Naphthalene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	91-20-3	
Phenanthrene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	85-01-8	
Pyrene	ND	ug/kg	6.1	1	03/02/15 11:45	03/03/15 05:05	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	83	%.	38-110	1	03/02/15 11:45	03/03/15 05:05	321-60-8	
p-Terphenyl-d14 (S)	91	%.	32-111	1	03/02/15 11:45	03/03/15 05:05	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	86.4	1		03/03/15 05:25	67-64-1	
Acrolein	ND	ug/kg	86.4	1		03/03/15 05:25	107-02-8	
Acrylonitrile	ND	ug/kg	86.4	1		03/03/15 05:25	107-13-1	
Benzene	ND	ug/kg	4.3	1		03/03/15 05:25	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		03/03/15 05:25	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		03/03/15 05:25	75-27-4	
Bromoform	ND	ug/kg	4.3	1		03/03/15 05:25	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		03/03/15 05:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.6	1		03/03/15 05:25	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-7 (6-8) Lab ID: 50113219015 Collected: 02/24/15 18:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	98-06-6	
Carbon disulfide	ND	ug/kg	8.6	1		03/03/15 05:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		03/03/15 05:25	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	75-00-3	
Chloroform	ND	ug/kg	4.3	1		03/03/15 05:25	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		03/03/15 05:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		03/03/15 05:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		03/03/15 05:25	106-43-4	
Dibromochloromethane	ND	ug/kg	4.3	1		03/03/15 05:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		03/03/15 05:25	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		03/03/15 05:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	86.4	1		03/03/15 05:25	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.3	1		03/03/15 05:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		03/03/15 05:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/03/15 05:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/03/15 05:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		03/03/15 05:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		03/03/15 05:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		03/03/15 05:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		03/03/15 05:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/03/15 05:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/03/15 05:25	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	100-41-4	
Ethyl methacrylate	ND	ug/kg	86.4	1		03/03/15 05:25	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		03/03/15 05:25	87-68-3	
n-Hexane	ND	ug/kg	4.3	1		03/03/15 05:25	110-54-3	
2-Hexanone	ND	ug/kg	86.4	1		03/03/15 05:25	591-78-6	
Iodomethane	ND	ug/kg	86.4	1		03/03/15 05:25	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		03/03/15 05:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		03/03/15 05:25	99-87-6	
Methylene Chloride	ND	ug/kg	17.3	1		03/03/15 05:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.6	1		03/03/15 05:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		03/03/15 05:25	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	103-65-1	
Styrene	ND	ug/kg	4.3	1		03/03/15 05:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		03/03/15 05:25	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: B-7 (6-8) Lab ID: 50113219015 Collected: 02/24/15 18:15 Received: 02/25/15 10:35 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.3	1		03/03/15 05:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		03/03/15 05:25	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		03/03/15 05:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		03/03/15 05:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		03/03/15 05:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		03/03/15 05:25	108-67-8	
Vinyl acetate	ND	ug/kg	86.4	1		03/03/15 05:25	108-05-4	
Vinyl chloride	ND	ug/kg	4.3	1		03/03/15 05:25	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	1		03/03/15 05:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	85-118	1		03/03/15 05:25	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		03/03/15 05:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	56-144	1		03/03/15 05:25	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.8	%	0.10	1		02/27/15 10:51		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: Trip Blank Lab ID: 50113219016 Collected: 02/24/15 13:00 Received: 02/25/15 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	100	1		03/03/15 05:50	67-64-1	
Acrolein	ND	ug/kg	100	1		03/03/15 05:50	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		03/03/15 05:50	107-13-1	
Benzene	ND	ug/kg	5.0	1		03/03/15 05:50	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		03/03/15 05:50	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		03/03/15 05:50	75-27-4	
Bromoform	ND	ug/kg	5.0	1		03/03/15 05:50	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		03/03/15 05:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.0	1		03/03/15 05:50	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		03/03/15 05:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		03/03/15 05:50	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	75-00-3	
Chloroform	ND	ug/kg	5.0	1		03/03/15 05:50	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		03/03/15 05:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		03/03/15 05:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		03/03/15 05:50	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		03/03/15 05:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		03/03/15 05:50	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		03/03/15 05:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		03/03/15 05:50	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		03/03/15 05:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		03/03/15 05:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/03/15 05:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/03/15 05:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		03/03/15 05:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		03/03/15 05:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		03/03/15 05:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		03/03/15 05:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/03/15 05:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/03/15 05:50	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		03/03/15 05:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		03/03/15 05:50	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		03/03/15 05:50	110-54-3	
2-Hexanone	ND	ug/kg	100	1		03/03/15 05:50	591-78-6	
Iodomethane	ND	ug/kg	100	1		03/03/15 05:50	74-88-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Sample: Trip Blank Lab ID: 50113219016 Collected: 02/24/15 13:00 Received: 02/25/15 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		03/03/15 05:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		03/03/15 05:50	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		03/03/15 05:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.0	1		03/03/15 05:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		03/03/15 05:50	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	103-65-1	
Styrene	ND	ug/kg	5.0	1		03/03/15 05:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		03/03/15 05:50	127-18-4	
Toluene	ND	ug/kg	5.0	1		03/03/15 05:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		03/03/15 05:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		03/03/15 05:50	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		03/03/15 05:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		03/03/15 05:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		03/03/15 05:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		03/03/15 05:50	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		03/03/15 05:50	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		03/03/15 05:50	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		03/03/15 05:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	85-118	1		03/03/15 05:50	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		03/03/15 05:50	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	56-144	1		03/03/15 05:50	460-00-4	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch:	MERP/6136	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	50113219001, 50113219002, 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015		

METHOD BLANK: 1246517 Matrix: Solid

Associated Lab Samples: 50113219001, 50113219002, 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	03/05/15 11:24	

LABORATORY CONTROL SAMPLE: 1246518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.61	121	80-120	L3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1246519 1246520

Parameter	Units	50113219013 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	.56	.61	0.70	0.76	122	121	75-125	8	20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch:	MPRP/15419	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	50113219001, 50113219002, 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015		

METHOD BLANK: 1243703 Matrix: Solid

Associated Lab Samples: 50113219001, 50113219002, 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/03/15 00:52	
Barium	mg/kg	ND	1.0	03/03/15 00:52	
Cadmium	mg/kg	ND	0.50	03/03/15 00:52	
Chromium	mg/kg	ND	1.0	03/03/15 00:52	
Lead	mg/kg	ND	1.0	03/03/15 00:52	
Selenium	mg/kg	ND	1.0	03/03/15 00:52	
Silver	mg/kg	ND	0.50	03/03/15 00:52	

LABORATORY CONTROL SAMPLE: 1243704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.4	105	80-120	
Barium	mg/kg	50	50.8	102	80-120	
Cadmium	mg/kg	50	51.5	103	80-120	
Chromium	mg/kg	50	51.3	103	80-120	
Lead	mg/kg	50	50.5	101	80-120	
Selenium	mg/kg	50	51.5	103	80-120	
Silver	mg/kg	25	25.2	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1243705 1243706

Parameter	Units	50113219013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.6	55.4	53.8	51.1	50.7	87	89	75-125	1	20	
Barium	mg/kg	26.8	55.4	53.8	77.4	82.0	91	103	75-125	6	20	
Cadmium	mg/kg	ND	55.4	53.8	50.6	50.2	91	93	75-125	1	20	
Chromium	mg/kg	16.6	55.4	53.8	65.5	66.0	88	92	75-125	1	20	
Lead	mg/kg	16.0	55.4	53.8	60.7	59.6	81	81	75-125	2	20	
Selenium	mg/kg	ND	55.4	53.8	47.3	46.8	85	87	75-125	1	20	
Silver	mg/kg	ND	27.7	26.9	23.2	22.8	84	85	75-125	2	20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch: MSV/74035 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015, 50113219016

METHOD BLANK: 1245414 Matrix: Solid
Associated Lab Samples: 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015, 50113219016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/02/15 23:35	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/02/15 23:35	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/02/15 23:35	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/02/15 23:35	
1,1-Dichloroethane	ug/kg	ND	5.0	03/02/15 23:35	
1,1-Dichloroethene	ug/kg	ND	5.0	03/02/15 23:35	
1,1-Dichloropropene	ug/kg	ND	5.0	03/02/15 23:35	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/02/15 23:35	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/02/15 23:35	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/02/15 23:35	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/02/15 23:35	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 23:35	
1,2-Dichloroethane	ug/kg	ND	5.0	03/02/15 23:35	
1,2-Dichloropropane	ug/kg	ND	5.0	03/02/15 23:35	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 23:35	
1,3-Dichloropropane	ug/kg	ND	5.0	03/02/15 23:35	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 23:35	
2,2-Dichloropropane	ug/kg	ND	5.0	03/02/15 23:35	
2-Butanone (MEK)	ug/kg	ND	25.0	03/02/15 23:35	
2-Chlorotoluene	ug/kg	ND	5.0	03/02/15 23:35	
2-Hexanone	ug/kg	ND	100	03/02/15 23:35	
4-Chlorotoluene	ug/kg	ND	5.0	03/02/15 23:35	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/02/15 23:35	
Acetone	ug/kg	ND	100	03/02/15 23:35	
Acrolein	ug/kg	ND	100	03/02/15 23:35	
Acrylonitrile	ug/kg	ND	100	03/02/15 23:35	
Benzene	ug/kg	ND	5.0	03/02/15 23:35	
Bromobenzene	ug/kg	ND	5.0	03/02/15 23:35	
Bromochloromethane	ug/kg	ND	5.0	03/02/15 23:35	
Bromodichloromethane	ug/kg	ND	5.0	03/02/15 23:35	
Bromoform	ug/kg	ND	5.0	03/02/15 23:35	
Bromomethane	ug/kg	ND	5.0	03/02/15 23:35	
Carbon disulfide	ug/kg	ND	10.0	03/02/15 23:35	
Carbon tetrachloride	ug/kg	ND	5.0	03/02/15 23:35	
Chlorobenzene	ug/kg	ND	5.0	03/02/15 23:35	
Chloroethane	ug/kg	ND	5.0	03/02/15 23:35	
Chloroform	ug/kg	ND	5.0	03/02/15 23:35	
Chloromethane	ug/kg	ND	5.0	03/02/15 23:35	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

METHOD BLANK: 1245414

Matrix: Solid

Associated Lab Samples: 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015, 50113219016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/02/15 23:35	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/02/15 23:35	
Dibromochloromethane	ug/kg	ND	5.0	03/02/15 23:35	
Dibromomethane	ug/kg	ND	5.0	03/02/15 23:35	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/02/15 23:35	
Ethyl methacrylate	ug/kg	ND	100	03/02/15 23:35	
Ethylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/02/15 23:35	
Iodomethane	ug/kg	ND	100	03/02/15 23:35	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/02/15 23:35	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/02/15 23:35	
Methylene Chloride	ug/kg	ND	20.0	03/02/15 23:35	
n-Butylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
n-Hexane	ug/kg	ND	5.0	03/02/15 23:35	
n-Propylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
p-Isopropyltoluene	ug/kg	ND	5.0	03/02/15 23:35	
sec-Butylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
Styrene	ug/kg	ND	5.0	03/02/15 23:35	
tert-Butylbenzene	ug/kg	ND	5.0	03/02/15 23:35	
Tetrachloroethene	ug/kg	ND	5.0	03/02/15 23:35	
Toluene	ug/kg	ND	5.0	03/02/15 23:35	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/02/15 23:35	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/02/15 23:35	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/02/15 23:35	
Trichloroethene	ug/kg	ND	5.0	03/02/15 23:35	
Trichlorofluoromethane	ug/kg	ND	5.0	03/02/15 23:35	
Vinyl acetate	ug/kg	ND	100	03/02/15 23:35	
Vinyl chloride	ug/kg	ND	5.0	03/02/15 23:35	
Xylene (Total)	ug/kg	ND	10.0	03/02/15 23:35	
4-Bromofluorobenzene (S)	%.	95	56-144	03/02/15 23:35	
Dibromofluoromethane (S)	%.	95	85-118	03/02/15 23:35	
Toluene-d8 (S)	%.	94	71-128	03/02/15 23:35	

LABORATORY CONTROL SAMPLE: 1245415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	51.3	103	62-123	
1,1,1-Trichloroethane	ug/kg	50	53.3	107	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.6	91	65-124	
1,1,2-Trichloroethane	ug/kg	50	45.3	91	74-129	
1,1-Dichloroethane	ug/kg	50	49.7	99	73-130	
1,1-Dichloroethene	ug/kg	50	53.7	107	66-126	
1,1-Dichloropropene	ug/kg	50	50.8	102	78-125	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

LABORATORY CONTROL SAMPLE: 1245415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/kg	50	42.8	86	66-131	
1,2,3-Trichloropropane	ug/kg	50	46.3	93	44-157	
1,2,4-Trichlorobenzene	ug/kg	50	39.6	79	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	48.6	97	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	46.6	93	74-120	
1,2-Dichlorobenzene	ug/kg	50	44.9	90	73-122	
1,2-Dichloroethane	ug/kg	50	51.0	102	73-127	
1,2-Dichloropropane	ug/kg	50	49.8	100	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	49.2	98	65-127	
1,3-Dichlorobenzene	ug/kg	50	43.3	87	73-121	
1,3-Dichloropropane	ug/kg	50	46.2	92	72-121	
1,4-Dichlorobenzene	ug/kg	50	41.5	83	75-119	
2,2-Dichloropropane	ug/kg	50	46.2	92	63-122	
2-Butanone (MEK)	ug/kg	250	221	88	59-139	
2-Chlorotoluene	ug/kg	50	45.0	90	72-121	
2-Hexanone	ug/kg	250	219	87	56-139	
4-Chlorotoluene	ug/kg	50	45.2	90	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	232	93	63-136	
Acetone	ug/kg	250	269	108	46-156	
Acrolein	ug/kg	1000	3110	311	47-200	L3
Acrylonitrile	ug/kg	1000	995	99	67-130	
Benzene	ug/kg	50	48.5	97	74-119	
Bromobenzene	ug/kg	50	47.4	95	69-129	
Bromochloromethane	ug/kg	50	54.5	109	67-129	
Bromodichloromethane	ug/kg	50	49.8	100	68-121	
Bromoform	ug/kg	50	40.9	82	49-124	
Bromomethane	ug/kg	50	49.0	98	44-142	
Carbon disulfide	ug/kg	100	109	109	61-129	
Carbon tetrachloride	ug/kg	50	52.3	105	58-127	
Chlorobenzene	ug/kg	50	45.4	91	77-122	
Chloroethane	ug/kg	50	56.0	112	59-141	
Chloroform	ug/kg	50	50.7	101	75-124	
Chloromethane	ug/kg	50	53.2	106	46-133	
cis-1,2-Dichloroethene	ug/kg	50	48.0	96	72-122	
cis-1,3-Dichloropropene	ug/kg	50	42.5	85	68-115	
Dibromochloromethane	ug/kg	50	43.0	86	60-121	
Dibromomethane	ug/kg	50	46.7	93	72-124	
Dichlorodifluoromethane	ug/kg	50	46.6	93	26-186	
Ethyl methacrylate	ug/kg	200	157	78	63-130	
Ethylbenzene	ug/kg	50	49.4	99	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	43.4	87	55-139	
Iodomethane	ug/kg	100	122	122	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	52.7	105	65-123	
Methyl-tert-butyl ether	ug/kg	100	100	100	68-120	
Methylene Chloride	ug/kg	50	55.0	110	57-142	
n-Butylbenzene	ug/kg	50	46.0	92	68-125	
n-Hexane	ug/kg	50	45.0	90	57-117	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

LABORATORY CONTROL SAMPLE: 1245415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/kg	50	48.2	96	68-122	
p-Isopropyltoluene	ug/kg	50	47.9	96	66-133	
sec-Butylbenzene	ug/kg	50	51.6	103	64-131	
Styrene	ug/kg	50	51.1	102	70-126	
tert-Butylbenzene	ug/kg	50	41.9	84	46-124	
Tetrachloroethene	ug/kg	50	44.4	89	72-126	
Toluene	ug/kg	50	46.9	94	71-121	
trans-1,2-Dichloroethene	ug/kg	50	48.6	97	69-123	
trans-1,3-Dichloropropene	ug/kg	50	41.6	83	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	147	74	61-124	
Trichloroethene	ug/kg	50	49.8	100	74-123	
Trichlorofluoromethane	ug/kg	50	65.1	130	72-146	
Vinyl acetate	ug/kg	200	208	104	57-131	
Vinyl chloride	ug/kg	50	49.1	98	55-128	
Xylene (Total)	ug/kg	150	150	100	66-124	
4-Bromofluorobenzene (S)	%.			99	56-144	
Dibromofluoromethane (S)	%.			99	85-118	
Toluene-d8 (S)	%.			97	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245416 1245417

Parameter	Units	50113219013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	38.8	38.9	25.5	23.0	66	59	10-129	10	20
1,1,1-Trichloroethane	ug/kg	ND	38.8	38.9	36.7	33.9	95	87	26-143	8	20
1,1,2,2-Tetrachloroethane	ug/kg	ND	38.8	38.9	20.0	18.1	52	46	10-156	10	20
1,1,2-Trichloroethane	ug/kg	ND	38.8	38.9	22.3	19.8	58	51	13-156	12	20
1,1-Dichloroethane	ug/kg	ND	38.8	38.9	31.4	28.7	81	74	36-150	9	20
1,1-Dichloroethene	ug/kg	ND	38.8	38.9	37.8	34.6	97	89	31-146	9	20
1,1-Dichloropropene	ug/kg	ND	38.8	38.9	32.1	30.3	83	78	26-145	6	20
1,2,3-Trichlorobenzene	ug/kg	ND	38.8	38.9	9.7	9.7	25	25	10-119	0	20
1,2,3-Trichloropropane	ug/kg	ND	38.8	38.9	21.8	18.7	56	48	10-168	15	20
1,2,4-Trichlorobenzene	ug/kg	ND	38.8	38.9	9.2	9.6	24	25	10-122	4	20
1,2,4-Trimethylbenzene	ug/kg	ND	38.8	38.9	18.2	17.5	47	45	10-139	4	20
1,2-Dibromoethane (EDB)	ug/kg	ND	38.8	38.9	21.8	19.8	56	51	15-136	10	20
1,2-Dichlorobenzene	ug/kg	ND	38.8	38.9	15.3	14.7	39	38	10-132	4	20
1,2-Dichloroethane	ug/kg	ND	38.8	38.9	29.0	25.7	75	66	30-140	12	20
1,2-Dichloropropane	ug/kg	ND	38.8	38.9	27.2	24.5	70	63	29-135	10	20
1,3,5-Trimethylbenzene	ug/kg	ND	38.8	38.9	19.6	18.6	50	48	10-143	5	20
1,3-Dichlorobenzene	ug/kg	ND	38.8	38.9	15.1	14.7	39	38	10-130	3	20
1,3-Dichloropropane	ug/kg	ND	38.8	38.9	22.1	20.4	57	52	17-139	8	20
1,4-Dichlorobenzene	ug/kg	ND	38.8	38.9	14.4	14.2	37	36	10-128	2	20
2,2-Dichloropropane	ug/kg	ND	38.8	38.9	31.3	30.1	81	77	29-136	4	20
2-Butanone (MEK)	ug/kg	ND	194	195	113	97.9	58	50	22-176	14	20
2-Chlorotoluene	ug/kg	ND	38.8	38.9	18.0	17.4	46	45	10-146	3	20

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245416 1245417												
Parameter	Units	50113219013		MS		MSD		MS		MSD		Qual
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	% Rec	Max	
2-Hexanone	ug/kg	ND	194	195	111	102	57	52	12-165	9	20	
4-Chlorotoluene	ug/kg	ND	38.8	38.9	17.0	16.5	44	42	10-138	3	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	194	195	108	96.5	56	50	22-155	11	20	
Acetone	ug/kg	ND	194	195	154	134	79	69	11-200	13	20	
Acrolein	ug/kg	ND	775	780	1390	1290	180	166	10-200	7	20	
Acrylonitrile	ug/kg	ND	775	780	478	438	62	56	20-150	9	20	
Benzene	ug/kg	ND	38.8	38.9	27.7	25.8	71	66	27-140	7	20	
Bromobenzene	ug/kg	ND	38.8	38.9	19.6	18.8	51	48	10-133	4	20	
Bromochloromethane	ug/kg	ND	38.8	38.9	28.7	25.1	74	64	28-142	13	20	
Bromodichloromethane	ug/kg	ND	38.8	38.9	27.3	25.0	70	64	13-139	9	20	
Bromoform	ug/kg	ND	38.8	38.9	20.5	20.3	53	52	10-122	1	20	
Bromomethane	ug/kg	ND	38.8	38.9	30.8	28.4	80	73	10-154	8	20	
Carbon disulfide	ug/kg	ND	77.5	78	73.5	68.9	95	88	20-142	6	20	
Carbon tetrachloride	ug/kg	ND	38.8	38.9	36.9	32.7	95	84	19-135	12	20	
Chlorobenzene	ug/kg	ND	38.8	38.9	21.5	20.2	56	52	10-136	6	20	
Chloroethane	ug/kg	ND	38.8	38.9	38.2	35.4	99	91	24-161	8	20	
Chloroform	ug/kg	ND	38.8	38.9	30.8	28.6	79	74	36-138	7	20	
Chloromethane	ug/kg	ND	38.8	38.9	34.3	32.4	88	83	28-143	6	20	
cis-1,2-Dichloroethene	ug/kg	ND	38.8	38.9	27.3	25.4	70	65	29-136	7	20	
cis-1,3-Dichloropropene	ug/kg	ND	38.8	38.9	22.0	20.9	57	54	10-130	5	20	
Dibromochloromethane	ug/kg	ND	38.8	38.9	21.8	20.4	56	52	10-124	7	20	
Dibromomethane	ug/kg	ND	38.8	38.9	23.7	21.4	61	55	24-136	10	20	
Dichlorodifluoromethane	ug/kg	ND	38.8	38.9	39.6	36.2	102	93	15-187	9	20	
Ethyl methacrylate	ug/kg	ND	155	155	72.4J	65J	47	42	10-147		20	
Ethylbenzene	ug/kg	ND	38.8	38.9	23.6	21.8	61	56	10-144	8	20	
Hexachloro-1,3-butadiene	ug/kg	ND	38.8	38.9	11.4	12.2	29	31	10-136	7	20	
Iodomethane	ug/kg	ND	77.5	78	76.3J	62.9J	98	81	10-155		20	
Isopropylbenzene (Cumene)	ug/kg	ND	38.8	38.9	24.8	23.4	64	60	10-134	6	20	
Methyl-tert-butyl ether	ug/kg	ND	77.5	78	54.6	48.6	70	62	30-147	12	20	
Methylene Chloride	ug/kg	ND	38.8	38.9	35.0	33.0	75	69	23-150	6	20	
n-Butylbenzene	ug/kg	ND	38.8	38.9	15.3	15.1	39	39	10-141	1	20	
n-Hexane	ug/kg	ND	38.8	38.9	32.2	29.2	83	75	10-140	10	20	
n-Propylbenzene	ug/kg	ND	38.8	38.9	19.4	18.8	50	48	10-143	3	20	
p-Isopropyltoluene	ug/kg	ND	38.8	38.9	17.8	17.0	46	44	10-146	5	20	
sec-Butylbenzene	ug/kg	ND	38.8	38.9	19.9	19.3	51	50	10-150	3	20	
Styrene	ug/kg	ND	38.8	38.9	21.5	20.2	55	52	10-138	6	20	
tert-Butylbenzene	ug/kg	ND	38.8	38.9	17.1	16.5	44	42	10-135	4	20	
Tetrachloroethene	ug/kg	ND	38.8	38.9	24.7	22.3	64	57	10-153	10	20	
Toluene	ug/kg	ND	38.8	38.9	24.0	23.1	62	59	10-140	4	20	
trans-1,2-Dichloroethene	ug/kg	ND	38.8	38.9	30.2	28.3	78	73	28-139	7	20	
trans-1,3-Dichloropropene	ug/kg	ND	38.8	38.9	21.4	20.6	55	53	10-126	4	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	155	155	65.1J	59.5J	42	38	10-132		20	
Trichloroethene	ug/kg	ND	38.8	38.9	28.6	27.3	74	70	17-148	5	20	
Trichlorofluoromethane	ug/kg	ND	38.8	38.9	53.2	47.9	137	123	31-177	11	20	
Vinyl acetate	ug/kg	ND	155	155	65J	58.8J	42	38	10-131		20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245416 1245417												
Parameter	Units	50113219013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/kg	ND	38.8	38.9	34.3	32.2	89	83	30-145	7	20	
Xylene (Total)	ug/kg	ND	116	117	69.1	64.8	59	55	10-143	6	20	
4-Bromofluorobenzene (S)	%.						105	103	56-144			
Dibromofluoromethane (S)	%.						105	104	85-118			
Toluene-d8 (S)	%.						96	97	71-128			

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch: MSV/74038

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 50113219001, 50113219002

METHOD BLANK: 1245434

Matrix: Solid

Associated Lab Samples: 50113219001, 50113219002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/02/15 11:30	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/02/15 11:30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/02/15 11:30	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/02/15 11:30	
1,1-Dichloroethane	ug/kg	ND	5.0	03/02/15 11:30	
1,1-Dichloroethene	ug/kg	ND	5.0	03/02/15 11:30	
1,1-Dichloropropene	ug/kg	ND	5.0	03/02/15 11:30	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/02/15 11:30	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/02/15 11:30	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/02/15 11:30	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/02/15 11:30	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 11:30	
1,2-Dichloroethane	ug/kg	ND	5.0	03/02/15 11:30	
1,2-Dichloropropane	ug/kg	ND	5.0	03/02/15 11:30	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 11:30	
1,3-Dichloropropane	ug/kg	ND	5.0	03/02/15 11:30	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 11:30	
2,2-Dichloropropane	ug/kg	ND	5.0	03/02/15 11:30	
2-Butanone (MEK)	ug/kg	ND	25.0	03/02/15 11:30	
2-Chlorotoluene	ug/kg	ND	5.0	03/02/15 11:30	
2-Hexanone	ug/kg	ND	100	03/02/15 11:30	
4-Chlorotoluene	ug/kg	ND	5.0	03/02/15 11:30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/02/15 11:30	
Acetone	ug/kg	ND	100	03/02/15 11:30	
Acrolein	ug/kg	ND	100	03/02/15 11:30	
Acrylonitrile	ug/kg	ND	100	03/02/15 11:30	
Benzene	ug/kg	ND	5.0	03/02/15 11:30	
Bromobenzene	ug/kg	ND	5.0	03/02/15 11:30	
Bromochloromethane	ug/kg	ND	5.0	03/02/15 11:30	
Bromodichloromethane	ug/kg	ND	5.0	03/02/15 11:30	
Bromoform	ug/kg	ND	5.0	03/02/15 11:30	
Bromomethane	ug/kg	ND	5.0	03/02/15 11:30	
Carbon disulfide	ug/kg	ND	10.0	03/02/15 11:30	
Carbon tetrachloride	ug/kg	ND	5.0	03/02/15 11:30	
Chlorobenzene	ug/kg	ND	5.0	03/02/15 11:30	
Chloroethane	ug/kg	ND	5.0	03/02/15 11:30	
Chloroform	ug/kg	ND	5.0	03/02/15 11:30	
Chloromethane	ug/kg	ND	5.0	03/02/15 11:30	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/02/15 11:30	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

METHOD BLANK: 1245434

Matrix: Solid

Associated Lab Samples: 50113219001, 50113219002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/02/15 11:30	
Dibromochloromethane	ug/kg	ND	5.0	03/02/15 11:30	
Dibromomethane	ug/kg	ND	5.0	03/02/15 11:30	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/02/15 11:30	
Ethyl methacrylate	ug/kg	ND	100	03/02/15 11:30	
Ethylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/02/15 11:30	
Iodomethane	ug/kg	ND	100	03/02/15 11:30	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/02/15 11:30	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/02/15 11:30	
Methylene Chloride	ug/kg	ND	20.0	03/02/15 11:30	
n-Butylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
n-Hexane	ug/kg	ND	5.0	03/02/15 11:30	
n-Propylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
p-Isopropyltoluene	ug/kg	ND	5.0	03/02/15 11:30	
sec-Butylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
Styrene	ug/kg	ND	5.0	03/02/15 11:30	
tert-Butylbenzene	ug/kg	ND	5.0	03/02/15 11:30	
Tetrachloroethene	ug/kg	ND	5.0	03/02/15 11:30	
Toluene	ug/kg	ND	5.0	03/02/15 11:30	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/02/15 11:30	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/02/15 11:30	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/02/15 11:30	
Trichloroethene	ug/kg	ND	5.0	03/02/15 11:30	
Trichlorofluoromethane	ug/kg	ND	5.0	03/02/15 11:30	
Vinyl acetate	ug/kg	ND	100	03/02/15 11:30	
Vinyl chloride	ug/kg	ND	5.0	03/02/15 11:30	
Xylene (Total)	ug/kg	ND	10.0	03/02/15 11:30	
4-Bromofluorobenzene (S)	%	96	56-144	03/02/15 11:30	
Dibromofluoromethane (S)	%	97	85-118	03/02/15 11:30	
Toluene-d8 (S)	%	94	71-128	03/02/15 11:30	

LABORATORY CONTROL SAMPLE: 1245435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	47.2	94	62-123	
1,1,1-Trichloroethane	ug/kg	50	48.1	96	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	44.0	88	65-124	
1,1,2-Trichloroethane	ug/kg	50	43.5	87	74-129	
1,1-Dichloroethane	ug/kg	50	43.8	88	73-130	
1,1-Dichloroethene	ug/kg	50	49.3	99	66-126	
1,1-Dichloropropene	ug/kg	50	45.8	92	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	44.2	88	66-131	
1,2,3-Trichloropropane	ug/kg	50	44.6	89	44-157	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

LABORATORY CONTROL SAMPLE: 1245435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	50	43.6	87	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	45.2	90	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	45.7	91	74-120	
1,2-Dichlorobenzene	ug/kg	50	42.9	86	73-122	
1,2-Dichloroethane	ug/kg	50	48.7	97	73-127	
1,2-Dichloropropane	ug/kg	50	44.7	89	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	45.1	90	65-127	
1,3-Dichlorobenzene	ug/kg	50	42.5	85	73-121	
1,3-Dichloropropane	ug/kg	50	44.0	88	72-121	
1,4-Dichlorobenzene	ug/kg	50	41.4	83	75-119	
2,2-Dichloropropane	ug/kg	50	46.6	93	63-122	
2-Butanone (MEK)	ug/kg	250	231	92	59-139	
2-Chlorotoluene	ug/kg	50	42.1	84	72-121	
2-Hexanone	ug/kg	250	216	86	56-139	
4-Chlorotoluene	ug/kg	50	43.2	86	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	225	90	63-136	
Acetone	ug/kg	250	329	132	46-156	
Acrolein	ug/kg	1000	3320	332	47-200	L3
Acrylonitrile	ug/kg	1000	948	95	67-130	
Benzene	ug/kg	50	43.2	86	74-119	
Bromobenzene	ug/kg	50	44.7	89	69-129	
Bromochloromethane	ug/kg	50	48.2	96	67-129	
Bromodichloromethane	ug/kg	50	46.3	93	68-121	
Bromoform	ug/kg	50	40.8	82	49-124	
Bromomethane	ug/kg	50	44.3	89	44-142	
Carbon disulfide	ug/kg	100	99.8	100	61-129	
Carbon tetrachloride	ug/kg	50	46.1	92	58-127	
Chlorobenzene	ug/kg	50	43.1	86	77-122	
Chloroethane	ug/kg	50	50.8	102	59-141	
Chloroform	ug/kg	50	46.2	92	75-124	
Chloromethane	ug/kg	50	47.6	95	46-133	
cis-1,2-Dichloroethene	ug/kg	50	45.0	90	72-122	
cis-1,3-Dichloropropene	ug/kg	50	41.5	83	68-115	
Dibromochloromethane	ug/kg	50	40.8	82	60-121	
Dibromomethane	ug/kg	50	46.8	94	72-124	
Dichlorodifluoromethane	ug/kg	50	44.4	89	26-186	
Ethyl methacrylate	ug/kg	200	150	75	63-130	
Ethylbenzene	ug/kg	50	45.0	90	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	42.9	86	55-139	
Iodomethane	ug/kg	100	105	105	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	48.3	97	65-123	
Methyl-tert-butyl ether	ug/kg	100	95.5	96	68-120	
Methylene Chloride	ug/kg	50	48.7	97	57-142	
n-Butylbenzene	ug/kg	50	45.4	91	68-125	
n-Hexane	ug/kg	50	42.8	86	57-117	
n-Propylbenzene	ug/kg	50	44.5	89	68-122	
p-Isopropyltoluene	ug/kg	50	45.4	91	66-133	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

LABORATORY CONTROL SAMPLE: 1245435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/kg	50	46.9	94	64-131	
Styrene	ug/kg	50	47.9	96	70-126	
tert-Butylbenzene	ug/kg	50	36.9	74	46-124	
Tetrachloroethene	ug/kg	50	43.3	87	72-126	
Toluene	ug/kg	50	42.5	85	71-121	
trans-1,2-Dichloroethene	ug/kg	50	45.0	90	69-123	
trans-1,3-Dichloropropene	ug/kg	50	41.6	83	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	165	82	61-124	
Trichloroethene	ug/kg	50	45.3	91	74-123	
Trichlorofluoromethane	ug/kg	50	60.8	122	72-146	
Vinyl acetate	ug/kg	200	205	103	57-131	
Vinyl chloride	ug/kg	50	44.6	89	55-128	
Xylene (Total)	ug/kg	150	139	92	66-124	
4-Bromofluorobenzene (S)	%			100	56-144	
Dibromofluoromethane (S)	%			101	85-118	
Toluene-d8 (S)	%			98	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245436 1245437

Parameter	Units	50113355009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	51.6	53.5	49.9	42.2	97	79	10-129	17	20	
1,1,1-Trichloroethane	ug/kg	ND	51.6	53.5	55.6	46.4	108	87	26-143	18	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	51.6	53.5	46.8	35.8	91	67	10-156	27	20	
1,1,2-Trichloroethane	ug/kg	ND	51.6	53.5	49.1	37.9	95	71	13-156	26	20	
1,1-Dichloroethane	ug/kg	ND	51.6	53.5	52.2	42.2	101	79	36-150	21	20	
1,1-Dichloroethene	ug/kg	ND	51.6	53.5	55.6	46.6	108	87	31-146	18	20	
1,1-Dichloropropene	ug/kg	ND	51.6	53.5	50.7	43.6	98	82	26-145	15	20	
1,2,3-Trichlorobenzene	ug/kg	ND	51.6	53.5	30.5	24.8	59	46	10-119	21	20	
1,2,3-Trichloropropane	ug/kg	ND	51.6	53.5	47.5	37.8	92	71	10-168	23	20	
1,2,4-Trichlorobenzene	ug/kg	ND	51.6	53.5	31.4	25.3	61	47	10-122	21	20	
1,2,4-Trimethylbenzene	ug/kg	ND	51.6	53.5	42.2	37.4	82	70	10-139	12	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	51.6	53.5	47.3	38.1	92	71	15-136	22	20	
1,2-Dichlorobenzene	ug/kg	ND	51.6	53.5	38.8	32.3	75	61	10-132	18	20	
1,2-Dichloroethane	ug/kg	ND	51.6	53.5	53.8	42.6	104	80	30-140	23	20	
1,2-Dichloropropane	ug/kg	ND	51.6	53.5	50.9	41.3	99	77	29-135	21	20	
1,3,5-Trimethylbenzene	ug/kg	ND	51.6	53.5	42.9	38.3	83	72	10-143	11	20	
1,3-Dichlorobenzene	ug/kg	ND	51.6	53.5	38.7	32.3	75	60	10-130	18	20	
1,3-Dichloropropane	ug/kg	ND	51.6	53.5	47.2	38.6	91	72	17-139	20	20	
1,4-Dichlorobenzene	ug/kg	ND	51.6	53.5	37.2	31.5	72	59	10-128	17	20	
2,2-Dichloropropane	ug/kg	ND	51.6	53.5	50.1	44.0	97	82	29-136	13	20	
2-Butanone (MEK)	ug/kg	ND	258	267	240	202	93	76	22-176	17	20	
2-Chlorotoluene	ug/kg	ND	51.6	53.5	40.4	34.8	78	65	10-146	15	20	
2-Hexanone	ug/kg	ND	258	267	227	196	88	73	12-165	15	20	
4-Chlorotoluene	ug/kg	ND	51.6	53.5	40.4	35.1	78	66	10-138	14	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245436 1245437											
Parameter	Units	50113355009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	258	267	244	198	94	74	22-155	21	20
Acetone	ug/kg	ND	258	267	303	256	117	96	11-200	17	20
Acrolein	ug/kg	ND	1030	1070	3250	2650	315	248	10-200	20	MO
Acrylonitrile	ug/kg	ND	1030	1070	1030	844	99	79	20-150	19	20
Benzene	ug/kg	ND	51.6	53.5	49.6	40.9	96	77	27-140	19	20
Bromobenzene	ug/kg	ND	51.6	53.5	44.1	36.6	85	68	10-133	19	20
Bromochloromethane	ug/kg	ND	51.6	53.5	53.7	45.7	104	86	28-142	16	20
Bromodichloromethane	ug/kg	ND	51.6	53.5	52.6	42.6	102	80	13-139	21	20
Bromoform	ug/kg	ND	51.6	53.5	41.7	35.9	81	67	10-122	15	20
Bromomethane	ug/kg	ND	51.6	53.5	48.5	42.5	94	79	10-154	13	20
Carbon disulfide	ug/kg	ND	103	107	110	95.3	107	89	20-142	15	20
Carbon tetrachloride	ug/kg	ND	51.6	53.5	53.5	43.8	104	82	19-135	20	20
Chlorobenzene	ug/kg	ND	51.6	53.5	44.2	37.7	86	70	10-136	16	20
Chloroethane	ug/kg	ND	51.6	53.5	59.8	49.0	116	92	24-161	20	20
Chloroform	ug/kg	ND	51.6	53.5	53.1	43.2	103	81	36-138	21	20
Chloromethane	ug/kg	ND	51.6	53.5	55.3	45.0	107	84	28-143	20	20
cis-1,2-Dichloroethene	ug/kg	ND	51.6	53.5	50.5	41.0	98	77	29-136	21	20
cis-1,3-Dichloropropene	ug/kg	ND	51.6	53.5	44.2	37.3	86	70	10-130	17	20
Dibromochloromethane	ug/kg	ND	51.6	53.5	42.7	36.1	83	68	10-124	17	20
Dibromomethane	ug/kg	ND	51.6	53.5	48.6	40.2	94	75	24-136	19	20
Dichlorodifluoromethane	ug/kg	ND	51.6	53.5	51.4	41.6	100	78	15-187	21	1d
Ethyl methacrylate	ug/kg	ND	207	213	152	126	74	59	10-147	19	20
Ethylbenzene	ug/kg	ND	51.6	53.5	45.5	40.3	88	75	10-144	12	20
Hexachloro-1,3-butadiene	ug/kg	ND	51.6	53.5	31.3	30.3	61	57	10-136	3	20
Iodomethane	ug/kg	ND	103	107	122	102J	118	95	10-155		20
Isopropylbenzene (Cumene)	ug/kg	ND	51.6	53.5	47.2	42.6	91	80	10-134	10	20
Methyl-tert-butyl ether	ug/kg	ND	103	107	105	85.1	102	80	30-147	21	20
Methylene Chloride	ug/kg	ND	51.6	53.5	63.2	46.0	102	67	23-150	31	20
n-Butylbenzene	ug/kg	ND	51.6	53.5	36.8	35.2	71	66	10-141	4	20
n-Hexane	ug/kg	ND	51.6	53.5	48.1	40.9	93	77	10-140	16	20
n-Propylbenzene	ug/kg	ND	51.6	53.5	41.8	38.1	81	71	10-143	9	20
p-Isopropyltoluene	ug/kg	ND	51.6	53.5	39.9	37.2	77	70	10-146	7	20
sec-Butylbenzene	ug/kg	ND	51.6	53.5	43.0	39.6	83	74	10-150	8	20
Styrene	ug/kg	ND	51.6	53.5	48.7	40.8	94	76	10-138	18	20
tert-Butylbenzene	ug/kg	ND	51.6	53.5	35.8	32.6	69	61	10-135	9	20
Tetrachloroethene	ug/kg	ND	51.6	53.5	43.8	37.8	85	71	10-153	15	20
Toluene	ug/kg	ND	51.6	53.5	46.3	38.5	90	72	10-140	18	20
trans-1,2-Dichloroethene	ug/kg	ND	51.6	53.5	50.4	42.9	98	80	28-139	16	20
trans-1,3-Dichloropropene	ug/kg	ND	51.6	53.5	42.9	36.9	83	69	10-126	15	20
trans-1,4-Dichloro-2-butene	ug/kg	ND	207	213	160	132	78	62	10-132	20	20
Trichloroethene	ug/kg	ND	51.6	53.5	49.6	42.5	96	80	17-148	16	20
Trichlorofluoromethane	ug/kg	ND	51.6	53.5	69.9	57.0	135	107	31-177	20	20
Vinyl acetate	ug/kg	ND	207	213	67.3J	55.8J	33	26	10-131		20
Vinyl chloride	ug/kg	ND	51.6	53.5	51.0	42.3	99	79	30-145	19	20
Xylene (Total)	ug/kg	ND	155	160	138	122	89	76	10-143	12	20

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245436 1245437												
Parameter	Units	50113355009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
4-Bromofluorobenzene (S)	%.						101	101	56-144			
Dibromofluoromethane (S)	%.						98	100	85-118			
Toluene-d8 (S)	%.						97	96	71-128			

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch: OEXT/38511

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV PAH by SIM

Associated Lab Samples: 50113219001, 50113219002, 50113219003

METHOD BLANK: 1245139

Matrix: Solid

Associated Lab Samples: 50113219001, 50113219002, 50113219003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/02/15 16:51	
2-Methylnaphthalene	ug/kg	ND	5.0	03/02/15 16:51	
Acenaphthene	ug/kg	ND	5.0	03/02/15 16:51	
Acenaphthylene	ug/kg	ND	5.0	03/02/15 16:51	
Anthracene	ug/kg	ND	5.0	03/02/15 16:51	
Benzo(a)anthracene	ug/kg	ND	5.0	03/02/15 16:51	
Benzo(a)pyrene	ug/kg	ND	5.0	03/02/15 16:51	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/02/15 16:51	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/02/15 16:51	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/02/15 16:51	
Chrysene	ug/kg	ND	5.0	03/02/15 16:51	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/02/15 16:51	
Fluoranthene	ug/kg	ND	5.0	03/02/15 16:51	
Fluorene	ug/kg	ND	5.0	03/02/15 16:51	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/02/15 16:51	
Naphthalene	ug/kg	ND	5.0	03/02/15 16:51	
Phenanthrene	ug/kg	ND	5.0	03/02/15 16:51	
Pyrene	ug/kg	ND	5.0	03/02/15 16:51	
2-Fluorobiphenyl (S)	%	80	38-110	03/02/15 16:51	
p-Terphenyl-d14 (S)	%	89	32-111	03/02/15 16:51	

LABORATORY CONTROL SAMPLE: 1245140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	289	87	40-102	
2-Methylnaphthalene	ug/kg	333	294	88	39-104	
Acenaphthene	ug/kg	333	297	89	43-108	
Acenaphthylene	ug/kg	333	301	90	44-110	
Anthracene	ug/kg	333	295	89	44-112	
Benzo(a)anthracene	ug/kg	333	324	97	43-124	
Benzo(a)pyrene	ug/kg	333	341	102	44-124	
Benzo(b)fluoranthene	ug/kg	333	372	112	44-123	
Benzo(g,h,i)perylene	ug/kg	333	324	97	44-118	
Benzo(k)fluoranthene	ug/kg	333	308	93	42-122	
Chrysene	ug/kg	333	339	102	44-124	
Dibenz(a,h)anthracene	ug/kg	333	332	100	44-119	
Fluoranthene	ug/kg	333	308	92	45-119	
Fluorene	ug/kg	333	314	94	44-113	
Indeno(1,2,3-cd)pyrene	ug/kg	333	332	100	44-119	
Naphthalene	ug/kg	333	276	83	42-103	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

LABORATORY CONTROL SAMPLE: 1245140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	315	94	44-113	
Pyrene	ug/kg	333	338	101	45-123	
2-Fluorobiphenyl (S)	%.			82	38-110	
p-Terphenyl-d14 (S)	%.			88	32-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245141 1245142

Parameter	Units	50113139001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.								
1-Methylnaphthalene	ug/kg	ND	349	346	319	318	91	91	20-116	1	20	
2-Methylnaphthalene	ug/kg	ND	349	346	319	318	91	91	10-131	0	20	
Acenaphthene	ug/kg	ND	349	346	304	308	87	89	25-117	1	20	
Acenaphthylene	ug/kg	ND	349	346	301	309	86	89	27-123	2	20	
Anthracene	ug/kg	ND	349	346	322	313	92	90	20-123	3	20	
Benzo(a)anthracene	ug/kg	ND	349	346	344	345	98	100	23-124	0	20	
Benzo(a)pyrene	ug/kg	ND	349	346	339	335	97	97	23-120	1	20	
Benzo(b)fluoranthene	ug/kg	ND	349	346	357	349	102	101	24-117	2	20	
Benzo(g,h,i)perylene	ug/kg	ND	349	346	327	342	93	99	12-122	4	20	
Benzo(k)fluoranthene	ug/kg	ND	349	346	323	315	92	91	14-123	2	20	
Chrysene	ug/kg	ND	349	346	348	351	99	102	22-124	1	20	
Dibenz(a,h)anthracene	ug/kg	ND	349	346	340	332	97	96	26-113	2	20	
Fluoranthene	ug/kg	ND	349	346	334	336	95	97	21-125	1	20	
Fluorene	ug/kg	ND	349	346	329	333	94	96	19-127	1	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	349	346	332	321	95	93	15-121	3	20	
Naphthalene	ug/kg	ND	349	346	289	291	83	84	15-125	0	20	
Phenanthrene	ug/kg	ND	349	346	344	351	98	101	10-139	2	20	
Pyrene	ug/kg	ND	349	346	351	355	100	102	17-132	1	20	
2-Fluorobiphenyl (S)	%.						80	80	38-110			
p-Terphenyl-d14 (S)	%.						93	93	32-111			

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch:	OEXT/38512	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV PAH by SIM
Associated Lab Samples:	50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015		

METHOD BLANK:	1245143	Matrix:	Solid
Associated Lab Samples:	50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010, 50113219011, 50113219012, 50113219013, 50113219014, 50113219015		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/03/15 00:00	
2-Methylnaphthalene	ug/kg	ND	5.0	03/03/15 00:00	
Acenaphthene	ug/kg	ND	5.0	03/03/15 00:00	
Acenaphthylene	ug/kg	ND	5.0	03/03/15 00:00	
Anthracene	ug/kg	ND	5.0	03/03/15 00:00	
Benzo(a)anthracene	ug/kg	ND	5.0	03/03/15 00:00	
Benzo(a)pyrene	ug/kg	ND	5.0	03/03/15 00:00	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/03/15 00:00	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/03/15 00:00	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/03/15 00:00	
Chrysene	ug/kg	ND	5.0	03/03/15 00:00	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/03/15 00:00	
Fluoranthene	ug/kg	ND	5.0	03/03/15 00:00	
Fluorene	ug/kg	ND	5.0	03/03/15 00:00	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/03/15 00:00	
Naphthalene	ug/kg	ND	5.0	03/03/15 00:00	
Phenanthrene	ug/kg	ND	5.0	03/03/15 00:00	
Pyrene	ug/kg	ND	5.0	03/03/15 00:00	
2-Fluorobiphenyl (S)	%	107	38-110	03/03/15 00:00	
p-Terphenyl-d14 (S)	%	125	32-111	03/03/15 00:00	S3

LABORATORY CONTROL SAMPLE: 1245144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	313	94	40-102	
2-Methylnaphthalene	ug/kg	333	315	95	39-104	
Acenaphthene	ug/kg	333	323	97	43-108	
Acenaphthylene	ug/kg	333	318	95	44-110	
Anthracene	ug/kg	333	321	96	44-112	
Benzo(a)anthracene	ug/kg	333	365	110	43-124	
Benzo(a)pyrene	ug/kg	333	363	109	44-124	
Benzo(b)fluoranthene	ug/kg	333	375	113	44-123	
Benzo(g,h,i)perylene	ug/kg	333	360	108	44-118	
Benzo(k)fluoranthene	ug/kg	333	352	106	42-122	
Chrysene	ug/kg	333	367	110	44-124	
Dibenz(a,h)anthracene	ug/kg	333	360	108	44-119	
Fluoranthene	ug/kg	333	338	101	45-119	
Fluorene	ug/kg	333	341	102	44-113	

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 Jasper Power Plant

Pace Project No.: 50113219

LABORATORY CONTROL SAMPLE: 1245144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	360	108	44-119	
Naphthalene	ug/kg	333	292	88	42-103	
Phenanthrene	ug/kg	333	344	103	44-113	
Pyrene	ug/kg	333	367	110	45-123	
2-Fluorobiphenyl (S)	%.			87	38-110	
p-Terphenyl-d14 (S)	%.			101	32-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245145 1245146

Parameter	Units	50113219013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	387	385	317	329	81	85	20-116	4	20	
2-Methylnaphthalene	ug/kg	ND	387	385	323	335	82	86	10-131	4	20	
Acenaphthene	ug/kg	ND	387	385	335	347	87	90	25-117	3	20	
Acenaphthylene	ug/kg	ND	387	385	329	357	85	93	27-123	8	20	
Anthracene	ug/kg	ND	387	385	329	353	84	91	20-123	7	20	
Benzo(a)anthracene	ug/kg	ND	387	385	364	387	94	101	23-124	6	20	
Benzo(a)pyrene	ug/kg	ND	387	385	358	381	92	99	23-120	6	20	
Benzo(b)fluoranthene	ug/kg	ND	387	385	415	450	107	117	24-117	8	20	
Benzo(g,h,i)perylene	ug/kg	ND	387	385	332	362	86	94	12-122	9	20	
Benzo(k)fluoranthene	ug/kg	ND	387	385	341	358	88	93	14-123	5	20	
Chrysene	ug/kg	17.5	387	385	386	414	95	103	22-124	7	20	
Dibenz(a,h)anthracene	ug/kg	ND	387	385	348	378	90	98	26-113	8	20	
Fluoranthene	ug/kg	ND	387	385	342	365	87	94	21-125	6	20	
Fluorene	ug/kg	ND	387	385	361	372	93	97	19-127	3	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	387	385	350	370	90	96	15-121	6	20	
Naphthalene	ug/kg	ND	387	385	303	311	78	81	15-125	3	20	
Phenanthrene	ug/kg	6.3	387	385	350	376	89	96	10-139	7	20	
Pyrene	ug/kg	ND	387	385	374	405	96	105	17-132	8	20	
2-Fluorobiphenyl (S)	%.						83	82	38-110			
p-Terphenyl-d14 (S)	%.						89	94	32-111			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch:	PMST/10384	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	50113219001, 50113219002, 50113219003, 50113219004, 50113219005, 50113219006, 50113219007, 50113219008, 50113219009, 50113219010		

SAMPLE DUPLICATE: 1243521

Parameter	Units	50113119005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.9	15.9	0	5	

SAMPLE DUPLICATE: 1243522

Parameter	Units	50113219010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.4	11.6	10	5	R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113219

QC Batch: PMST/10387

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50113219011, 50113219012, 50113219013, 50113219014, 50113219015

SAMPLE DUPLICATE: 1244381

Parameter	Units	50113316001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.4	1	5	

SAMPLE DUPLICATE: 1244382

Parameter	Units	50113219013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.5	13.9	4	5	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Former Jasper Power Plant

Pace Project No.: 50113219

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.

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.

ANALYTE QUALIFIERS

1d	Multiple compounds are outside acceptance limits due to sample matrix. Refer to LCS for system control and data acceptability. JLZ 03/3/15
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50113219001	B-1 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219002	B-1 (4-5)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219003	B-2 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219004	B-2 (4-5)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219005	B-3 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219006	B-3 (12-14)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219007	B-4 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219008	B-4 (6-8)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219009	B-5 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219010	B-5 (6-8)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219011	Blind Duplicate 1	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219012	B-6 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219013	B-6 (12-14)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219014	B-7 (0-2)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219015	B-7 (6-8)	EPA 3050	MPRP/15419	EPA 6010	ICP/18703
50113219001	B-1 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219002	B-1 (4-5)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219003	B-2 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219004	B-2 (4-5)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219005	B-3 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219006	B-3 (12-14)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219007	B-4 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219008	B-4 (6-8)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219009	B-5 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219010	B-5 (6-8)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219011	Blind Duplicate 1	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219012	B-6 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219013	B-6 (12-14)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219014	B-7 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219015	B-7 (6-8)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113219001	B-1 (0-2)	EPA 3546	OEXT/38511	EPA 8270 by SIM	MSSV/17345
50113219002	B-1 (4-5)	EPA 3546	OEXT/38511	EPA 8270 by SIM	MSSV/17345
50113219003	B-2 (0-2)	EPA 3546	OEXT/38511	EPA 8270 by SIM	MSSV/17345
50113219004	B-2 (4-5)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219005	B-3 (0-2)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219006	B-3 (12-14)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219007	B-4 (0-2)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219008	B-4 (6-8)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219009	B-5 (0-2)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219010	B-5 (6-8)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219011	Blind Duplicate 1	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219012	B-6 (0-2)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219013	B-6 (12-14)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219014	B-7 (0-2)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219015	B-7 (6-8)	EPA 3546	OEXT/38512	EPA 8270 by SIM	MSSV/17346
50113219001	B-1 (0-2)	EPA 8260	MSV/74038		
50113219002	B-1 (4-5)	EPA 8260	MSV/74038		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Jasper Power Plant

Pace Project No.: 50113219

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50113219003	B-2 (0-2)	EPA 8260	MSV/74035		
50113219004	B-2 (4-5)	EPA 8260	MSV/74035		
50113219005	B-3 (0-2)	EPA 8260	MSV/74035		
50113219006	B-3 (12-14)	EPA 8260	MSV/74035		
50113219007	B-4 (0-2)	EPA 8260	MSV/74035		
50113219008	B-4 (6-8)	EPA 8260	MSV/74035		
50113219009	B-5 (0-2)	EPA 8260	MSV/74035		
50113219010	B-5 (6-8)	EPA 8260	MSV/74035		
50113219011	Blind Duplicate 1	EPA 8260	MSV/74035		
50113219012	B-6 (0-2)	EPA 8260	MSV/74035		
50113219013	B-6 (12-14)	EPA 8260	MSV/74035		
50113219014	B-7 (0-2)	EPA 8260	MSV/74035		
50113219015	B-7 (6-8)	EPA 8260	MSV/74035		
50113219016	Trip Blank	EPA 8260	MSV/74035		
50113219001	B-1 (0-2)	ASTM D2974-87	PMST/10384		
50113219002	B-1 (4-5)	ASTM D2974-87	PMST/10384		
50113219003	B-2 (0-2)	ASTM D2974-87	PMST/10384		
50113219004	B-2 (4-5)	ASTM D2974-87	PMST/10384		
50113219005	B-3 (0-2)	ASTM D2974-87	PMST/10384		
50113219006	B-3 (12-14)	ASTM D2974-87	PMST/10384		
50113219007	B-4 (0-2)	ASTM D2974-87	PMST/10384		
50113219008	B-4 (6-8)	ASTM D2974-87	PMST/10384		
50113219009	B-5 (0-2)	ASTM D2974-87	PMST/10384		
50113219010	B-5 (6-8)	ASTM D2974-87	PMST/10384		
50113219011	Blind Duplicate 1	ASTM D2974-87	PMST/10387		
50113219012	B-6 (0-2)	ASTM D2974-87	PMST/10387		
50113219013	B-6 (12-14)	ASTM D2974-87	PMST/10387		
50113219014	B-7 (0-2)	ASTM D2974-87	PMST/10387		
50113219015	B-7 (6-8)	ASTM D2974-87	PMST/10387		

REPORT OF LABORATORY ANALYSIS

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Cashco A/C	Report To:	Megan Foye	Attention:	Angie Tribby - Buyer
Address:	255 S. Garvin St. Unit G	Copy To:	Brian Kleemen	Company Name:	Cashco A/C
	Evansville, IN 47713		Rob Walker	Address:	
Email To:	mcgovern@cashco.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	813 972-2455	Project Name:	Former Josses Power Plant	Pace Project Manager:	
Fax:		Project Number:	1001150711	Pace Profile #:	
Requested Due Date/TAT:					

Page: 1 of 2

1848202

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ PLUST⁹⁹ ☐ RCRA ☐ OTHER

Site Location
 IN

STATE:

Section D Required Client Information		Matrix Codes MATRIX / CODE		COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)		MATRIX CODE (see vaild codes to left)		SAMPLE TEMP AT COLLECTION		PRESERVATIVES		Analysis Test		Requested Analysis Filtered (Y/N)		Pace Project No./ Lab I.D.													
ITEM #	SAMPLE ID (A-Z, 0-9 /, -)	DW Drinking Water	WT Waste Water	WW Waste Water	P Product	SL Soil/Solid	OL Oil	WP Wipe	AR Air	TS Tissue	OT Other	DATE	TIME	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Y/N	Analysis Test	VOC Method 8210M	PCEA Metals Lead/Cd	PCEA Metals Lead/Cd	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
1	B-1 (0-2')											2-24-15	1310			X										X		X			001
2	B-1 (4-5')												1350													X		X			002
3	B-2 (0-2')												1415																		003
4	B-2 (4-5')												1440																		004
5	B-3 (0-2')												1515																		005
6	B-3 (2-4')												1530																		006
7	B-4 (0-2')												1605																		007
8	B-4 (6-8')												1620																		008
9	B-5 (0-2')												1640																		009
10	B-5 (6-8')												1650																		010
11	Blank Duplicate 1																														011
12																															-

ADDITIONAL COMMENTS

1. Negan Foye / Cordano 2/24/15 1800

2. Sarah Fox / Cordano 2/24/15 1900

3. Fed Ex

RELINQUISHED BY / AFFILIATION

1. Negan Foye / Cordano 2/24/15 1800

2. Sarah Fox / Cordano 2/24/15 1900

3. Fed Ex

ACCEPTED BY / AFFILIATION

1. Sarah Fox / Cordano 2/24/15 1800

2. Fed Ex

3. Sarah Fox / Cordano 2/24/15 1900

DATE

1. 2/24/15

2. 2/24/15

3. 2/24/15

TIME

1. 1800

2. 1900

3. 1055

Temp in °C

1. 40.8

2. 40.8

3. 40.8

Received on

1. y

2. y

3. y

Custody

1. y

2. y

3. y

Sealed Cooler

1. y

2. y

3. y

Samples Intact

1. y

2. y

3. y

DATE SIGNED 2/24/15

SIGNATURE OF SAMPLER: Negan Foye

PRINT NAME OF SAMPLER: Negan Foye

SAMPLER NAME AND SIGNATURE

ORIGINAL

Page 77 of 81

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: <u>Cardno LLC</u> Address: <u>355 S. Garrisonville, IN 47113</u> Email To: <u>Megan.Fox@cardno.com</u> Phone: <u>812.922.2423</u> Requested Due Date/TAT: <u>11/01/15</u>		Section B Required Project Information: Report To: <u>Megan Fox</u> Copy To: <u>Brian Kleeman</u> Address: <u>200 Walker</u> Project Name: <u>Former Jasper Power Plant</u> Project Number: <u>11011507H</u> Purchase Order No.: <u></u>		Section C Invoice Information: Attention: <u>Dr. E. Trippy Payne</u> Company Name: <u>Cardno LLC</u> Address: <u></u> Pace Quote Reference: <u></u> Pace Project Manager: <u></u> Pace Profile #: <u></u>	
Section D Required Client Information: Matrix Codes MATRIX / CODE Drinking Water DW Waste Water WW Product P Solid/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT		Regulatory Agency ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER			
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		Site Location STATE: <u>IN</u>			

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 Y/N	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			COMPOSITE	COMPOSITE					DATE	TIME	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃		Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1	B-6 (0-2')	Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other			2-24-15	1715		4	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
	Megan Fox / Cardno	2/24/15	1800	Sarah Fox / Cardno	2/24/15	1800					
	Sarah Fox / Cardno	2/24/15	1900	Fed Ex	2/24/15	1900					
	Fed Ex			Shawmut	2/25/15	1035					
							Temp in °C	Received on	Custody	Sealed Cooler	Samples Intact

ORIGINAL

w/fox

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Megan Fox
 SIGNATURE of SAMPLER: Megan Fox

DATE Signed (MM/DD/YYYY): 2/24/15

Sample Condition Upon Receipt

Pace Analytical

Client Name: CARDNO ATC

Project # 50113219

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8066 3255 8549

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 5035A kits placed in freezer

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 4.8°C
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 2/25/15 sf

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	6.
Containers Intact:	☒ Yes ☐ No ☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐ Yes ☒ No ☐ N/A	8. NO TIME ON SAMPLES
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes ☐ No ☒ N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	10.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	11. TERRACORE
Trip Blank Custody Seals Present	☐ Yes ☒ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	12.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	13.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: R. Walker Date/Time: 2-25-15

Comments/ Resolution:

* ALL TERRACORE VIALS ARE LABELED WITH PACE LABELS

NS/USD Collected @ B-6 (1274)

Project Manager Review:

R. G. Met

Date: 2-25-15

Sample Container Count



CLIENT: CARDNO ATC

COC PAGE 1 of 2
COC ID# 1848202

Project # 50113219

Bulk

Sample Line Item	DG9H	AG1U	WG9U	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	pH <2	pH >12	Comments
1					1															
2																				
3																				
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	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	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	BP3C	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	WGFH	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

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COC PAGE 2 of 2
COC ID# 1848203

Project # 50113219

Bull

Comments

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
WG9U	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	JG9U	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	BP3C	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	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziptoc Bag

March 12, 2015

Mr. Brian Kleeman
Cardno ATC
255 South Garvin St.
Suite G
Evansville, IN 47713

RE: Project: Former Jasper Power Plant
Pace Project No.: 50113286

Dear Mr. Kleeman:

Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,



Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

cc: Mr. Rob Walker, Cardno ATC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10177/ E-10247

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Louisiana/NELAP Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Pennsylvania Certification #: 68-05340

Texas Certification #: T104704355-15-8

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50113286001	B-8 (0-2)	Solid	02/25/15 09:00	02/26/15 10:15
50113286002	B-8 (12-14)	Solid	02/25/15 09:37	02/26/15 10:15
50113286003	Trip Blank	Solid	02/25/15 08:30	02/26/15 10:15
50113286004	B-9 (0-2)	Solid	02/25/15 10:00	02/26/15 10:15
50113286005	B-9 (4-6)	Solid	02/25/15 10:10	02/26/15 10:15
50113286006	B-10 (0-2)	Solid	02/25/15 10:30	02/26/15 10:15
50113286007	B-10 (4-6)	Solid	02/25/15 10:40	02/26/15 10:15
50113286008	B-11 (0-2)	Solid	02/25/15 11:00	02/26/15 10:15
50113286009	B-11 (6-8)	Solid	02/25/15 11:15	02/26/15 10:15
50113286010	B-12 (0-2)	Solid	02/25/15 11:30	02/26/15 10:15
50113286011	B-12 (8-10)	Solid	02/25/15 12:15	02/26/15 10:15
50113286012	Blind Duplicate 2	Solid	02/25/15 08:00	02/26/15 10:15
50113286013	B-13 (0-2)	Solid	02/25/15 12:30	02/26/15 10:15
50113286014	B-13 (4-6)	Solid	02/25/15 12:40	02/26/15 10:15
50113286015	B-14 (0-2)	Solid	02/25/15 13:10	02/26/15 10:15
50113286016	B-14 (4-6)	Solid	02/25/15 13:20	02/26/15 10:15
50113286017	B-15 (0-2)	Solid	02/25/15 13:40	02/26/15 10:15
50113286018	B-15 (2-4)	Solid	02/25/15 13:50	02/26/15 10:15
50113286019	B-16 (2-4)	Solid	02/25/15 14:15	02/26/15 10:15
50113286020	B-16 (6-8)	Solid	02/25/15 14:25	02/26/15 10:15
50113286021	B-17 (0-2)	Solid	02/25/15 14:45	02/26/15 10:15
50113286022	B-17 (4-6)	Solid	02/25/15 14:55	02/26/15 10:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50113286001	B-8 (0-2)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286002	B-8 (12-14)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286003	Trip Blank	EPA 8260	ALA	72
50113286004	B-9 (0-2)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286005	B-9 (4-6)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286006	B-10 (0-2)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286007	B-10 (4-6)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286008	B-11 (0-2)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286009	B-11 (6-8)	EPA 6010	JPk	7

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50113286010	B-12 (0-2)	EPA 7471	LLB	1
		EPA 8270 by SIM	TBP	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	TBP	20
		EPA 8260	ALA	72
50113286011	B-12 (8-10)	ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
50113286012	Blind Duplicate 2	EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
50113286013	B-13 (0-2)	EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113286014	B-13 (4-6)	EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
50113286015	B-14 (0-2)	EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
50113286016	B-14 (4-6)	ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
		EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50113286017	B-15 (0-2)	EPA 8260	ALA	72
		ASTM D2974-87	SCM	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113286018	B-15 (2-4)	EPA 8260	ALA	72
		ASTM D2974-87	MLS	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113286019	B-16 (2-4)	EPA 8260	ALA	72
		ASTM D2974-87	MLS	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113286020	B-16 (6-8)	EPA 8260	ALA	72
		ASTM D2974-87	MLS	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113286021	B-17 (0-2)	EPA 8260	ALA	72
		ASTM D2974-87	MLS	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20
50113286022	B-17 (4-6)	EPA 8260	ALA	72
		ASTM D2974-87	MLS	1
		EPA 6010	JPk	7
		EPA 7471	LLB	1
		EPA 8270 by SIM	JCM	20

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-8 (0-2) Lab ID: 50113286001 Collected: 02/25/15 09:00 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.7	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:00	7440-38-2	
Barium	79.9	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:00	7440-39-3	
Cadmium	ND	mg/kg	0.59	1	02/28/15 09:50	03/03/15 02:00	7440-43-9	
Chromium	14.9	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:00	7440-47-3	
Lead	11.5	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:00	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:00	7782-49-2	
Silver	ND	mg/kg	0.59	1	02/28/15 09:50	03/03/15 02:00	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:35	03/05/15 13:21	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	83-32-9	
Acenaphthylene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	208-96-8	
Anthracene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	207-08-9	
Chrysene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	53-70-3	
Fluoranthene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	206-44-0	
Fluorene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	91-57-6	
Naphthalene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	91-20-3	
Phenanthrene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	85-01-8	
Pyrene	ND	ug/kg	6.3	1	03/04/15 12:15	03/05/15 09:37	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	90	%.	38-110	1	03/04/15 12:15	03/05/15 09:37	321-60-8	
p-Terphenyl-d14 (S)	85	%.	32-111	1	03/04/15 12:15	03/05/15 09:37	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	89.4	1		03/02/15 16:15	67-64-1	
Acrolein	ND	ug/kg	89.4	1		03/02/15 16:15	107-02-8	
Acrylonitrile	ND	ug/kg	89.4	1		03/02/15 16:15	107-13-1	
Benzene	ND	ug/kg	4.5	1		03/02/15 16:15	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		03/02/15 16:15	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		03/02/15 16:15	75-27-4	
Bromoform	ND	ug/kg	4.5	1		03/02/15 16:15	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		03/02/15 16:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.3	1		03/02/15 16:15	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-8 (0-2) Lab ID: 50113286001 Collected: 02/25/15 09:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	98-06-6	
Carbon disulfide	ND	ug/kg	8.9	1		03/02/15 16:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		03/02/15 16:15	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	75-00-3	
Chloroform	ND	ug/kg	4.5	1		03/02/15 16:15	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		03/02/15 16:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		03/02/15 16:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		03/02/15 16:15	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		03/02/15 16:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		03/02/15 16:15	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		03/02/15 16:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	89.4	1		03/02/15 16:15	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		03/02/15 16:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		03/02/15 16:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/02/15 16:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/02/15 16:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		03/02/15 16:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		03/02/15 16:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		03/02/15 16:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		03/02/15 16:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/02/15 16:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/02/15 16:15	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	100-41-4	
Ethyl methacrylate	ND	ug/kg	89.4	1		03/02/15 16:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		03/02/15 16:15	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		03/02/15 16:15	110-54-3	
2-Hexanone	ND	ug/kg	89.4	1		03/02/15 16:15	591-78-6	
Iodomethane	ND	ug/kg	89.4	1		03/02/15 16:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		03/02/15 16:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		03/02/15 16:15	99-87-6	
Methylene Chloride	ND	ug/kg	17.9	1		03/02/15 16:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.3	1		03/02/15 16:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		03/02/15 16:15	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	103-65-1	
Styrene	ND	ug/kg	4.5	1		03/02/15 16:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		03/02/15 16:15	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-8 (0-2) Lab ID: 50113286001 Collected: 02/25/15 09:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.5	1		03/02/15 16:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		03/02/15 16:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		03/02/15 16:15	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		03/02/15 16:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		03/02/15 16:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		03/02/15 16:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		03/02/15 16:15	108-67-8	
Vinyl acetate	ND	ug/kg	89.4	1		03/02/15 16:15	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		03/02/15 16:15	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		03/02/15 16:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	85-118	1		03/02/15 16:15	1868-53-7	
Toluene-d8 (S)	100	%.	71-128	1		03/02/15 16:15	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	56-144	1		03/02/15 16:15	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	21.1	%	0.10	1		02/27/15 10:52		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-8 (12-14) Lab ID: 50113286002 Collected: 02/25/15 09:37 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	33.8	mg/kg	0.97	1	02/28/15 09:50	03/03/15 02:02	7440-38-2	
Barium	24.5	mg/kg	0.97	1	02/28/15 09:50	03/03/15 02:02	7440-39-3	
Cadmium	ND	mg/kg	0.49	1	02/28/15 09:50	03/03/15 02:02	7440-43-9	
Chromium	10.4	mg/kg	0.97	1	02/28/15 09:50	03/03/15 02:02	7440-47-3	
Lead	48.6	mg/kg	0.97	1	02/28/15 09:50	03/03/15 02:02	7439-92-1	
Selenium	ND	mg/kg	0.97	1	02/28/15 09:50	03/03/15 02:02	7782-49-2	
Silver	ND	mg/kg	0.49	1	02/28/15 09:50	03/03/15 02:02	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:35	03/05/15 13:23	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	83-32-9	
Acenaphthylene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	208-96-8	
Anthracene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	50-32-8	
Benzo(b)fluoranthene	13.3	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	205-99-2	
Benzo(g,h,i)perylene	20.9	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	191-24-2	
Benzo(k)fluoranthene	12.9	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	207-08-9	
Chrysene	24.6	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	53-70-3	
Fluoranthene	24.9	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	206-44-0	
Fluorene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	91-57-6	
Naphthalene	ND	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	91-20-3	
Phenanthrene	18.6	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	85-01-8	
Pyrene	106	ug/kg	5.5	1	03/04/15 12:15	03/05/15 09:55	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	92	%.	38-110	1	03/04/15 12:15	03/05/15 09:55	321-60-8	
p-Terphenyl-d14 (S)	93	%.	32-111	1	03/04/15 12:15	03/05/15 09:55	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	71.9	1		03/02/15 16:42	67-64-1	
Acrolein	ND	ug/kg	71.9	1		03/02/15 16:42	107-02-8	
Acrylonitrile	ND	ug/kg	71.9	1		03/02/15 16:42	107-13-1	
Benzene	ND	ug/kg	3.6	1		03/02/15 16:42	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1		03/02/15 16:42	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1		03/02/15 16:42	75-27-4	
Bromoform	ND	ug/kg	3.6	1		03/02/15 16:42	75-25-2	
Bromomethane	ND	ug/kg	3.6	1		03/02/15 16:42	74-83-9	
2-Butanone (MEK)	ND	ug/kg	18.0	1		03/02/15 16:42	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-8 (12-14) Lab ID: 50113286002 Collected: 02/25/15 09:37 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	98-06-6	
Carbon disulfide	ND	ug/kg	7.2	1		03/02/15 16:42	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.6	1		03/02/15 16:42	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	108-90-7	
Chloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	75-00-3	
Chloroform	ND	ug/kg	3.6	1		03/02/15 16:42	67-66-3	
Chloromethane	ND	ug/kg	3.6	1		03/02/15 16:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1		03/02/15 16:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1		03/02/15 16:42	106-43-4	
Dibromochloromethane	ND	ug/kg	3.6	1		03/02/15 16:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1		03/02/15 16:42	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1		03/02/15 16:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	71.9	1		03/02/15 16:42	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.6	1		03/02/15 16:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.6	1		03/02/15 16:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1		03/02/15 16:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1		03/02/15 16:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1		03/02/15 16:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1		03/02/15 16:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1		03/02/15 16:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1		03/02/15 16:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1		03/02/15 16:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1		03/02/15 16:42	10061-02-6	
Ethylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	100-41-4	
Ethyl methacrylate	ND	ug/kg	71.9	1		03/02/15 16:42	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1		03/02/15 16:42	87-68-3	
n-Hexane	ND	ug/kg	3.6	1		03/02/15 16:42	110-54-3	
2-Hexanone	ND	ug/kg	71.9	1		03/02/15 16:42	591-78-6	
Iodomethane	ND	ug/kg	71.9	1		03/02/15 16:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1		03/02/15 16:42	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1		03/02/15 16:42	99-87-6	
Methylene Chloride	ND	ug/kg	14.4	1		03/02/15 16:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	18.0	1		03/02/15 16:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.6	1		03/02/15 16:42	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	103-65-1	
Styrene	ND	ug/kg	3.6	1		03/02/15 16:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1		03/02/15 16:42	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-8 (12-14) Lab ID: 50113286002 Collected: 02/25/15 09:37 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	3.6	1		03/02/15 16:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1		03/02/15 16:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1		03/02/15 16:42	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1		03/02/15 16:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1		03/02/15 16:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1		03/02/15 16:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1		03/02/15 16:42	108-67-8	
Vinyl acetate	ND	ug/kg	71.9	1		03/02/15 16:42	108-05-4	
Vinyl chloride	ND	ug/kg	3.6	1		03/02/15 16:42	75-01-4	
Xylene (Total)	ND	ug/kg	7.2	1		03/02/15 16:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%	85-118	1		03/02/15 16:42	1868-53-7	
Toluene-d8 (S)	100	%	71-128	1		03/02/15 16:42	2037-26-5	
4-Bromofluorobenzene (S)	97	%	56-144	1		03/02/15 16:42	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	10	%	0.10	1		02/27/15 10:52		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: Trip Blank Lab ID: 50113286003 Collected: 02/25/15 08:30 Received: 02/26/15 10:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	100	1		03/02/15 17:10	67-64-1	
Acrolein	ND	ug/kg	100	1		03/02/15 17:10	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		03/02/15 17:10	107-13-1	
Benzene	ND	ug/kg	5.0	1		03/02/15 17:10	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		03/02/15 17:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		03/02/15 17:10	75-27-4	
Bromoform	ND	ug/kg	5.0	1		03/02/15 17:10	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		03/02/15 17:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.0	1		03/02/15 17:10	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		03/02/15 17:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		03/02/15 17:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	75-00-3	
Chloroform	ND	ug/kg	5.0	1		03/02/15 17:10	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		03/02/15 17:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		03/02/15 17:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		03/02/15 17:10	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		03/02/15 17:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		03/02/15 17:10	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		03/02/15 17:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		03/02/15 17:10	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		03/02/15 17:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		03/02/15 17:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/02/15 17:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/02/15 17:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		03/02/15 17:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		03/02/15 17:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		03/02/15 17:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		03/02/15 17:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/02/15 17:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/02/15 17:10	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		03/02/15 17:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		03/02/15 17:10	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		03/02/15 17:10	110-54-3	
2-Hexanone	ND	ug/kg	100	1		03/02/15 17:10	591-78-6	
Iodomethane	ND	ug/kg	100	1		03/02/15 17:10	74-88-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: Trip Blank Lab ID: 50113286003 Collected: 02/25/15 08:30 Received: 02/26/15 10:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		03/02/15 17:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		03/02/15 17:10	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		03/02/15 17:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.0	1		03/02/15 17:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		03/02/15 17:10	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	103-65-1	
Styrene	ND	ug/kg	5.0	1		03/02/15 17:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		03/02/15 17:10	127-18-4	
Toluene	ND	ug/kg	5.0	1		03/02/15 17:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		03/02/15 17:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		03/02/15 17:10	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		03/02/15 17:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		03/02/15 17:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		03/02/15 17:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		03/02/15 17:10	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		03/02/15 17:10	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		03/02/15 17:10	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		03/02/15 17:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	85-118	1		03/02/15 17:10	1868-53-7	
Toluene-d8 (S)	96	%.	71-128	1		03/02/15 17:10	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	56-144	1		03/02/15 17:10	460-00-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-9 (0-2) Lab ID: 50113286004 Collected: 02/25/15 10:00 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	18.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:04	7440-38-2	
Barium	73.2	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:04	7440-39-3	
Cadmium	0.69	mg/kg	0.57	1	02/28/15 09:50	03/03/15 02:04	7440-43-9	
Chromium	20.4	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:04	7440-47-3	
Lead	39.5	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:04	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:04	7782-49-2	
Silver	ND	mg/kg	0.57	1	02/28/15 09:50	03/03/15 02:04	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:25	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	208-96-8	
Anthracene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	120-12-7	
Benzo(a)anthracene	10.3	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	56-55-3	
Benzo(a)pyrene	11.3	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	50-32-8	
Benzo(b)fluoranthene	12.4	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	205-99-2	
Benzo(g,h,i)perylene	9.9	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	191-24-2	
Benzo(k)fluoranthene	14.9	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	207-08-9	
Chrysene	16.6	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	53-70-3	
Fluoranthene	32.8	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	206-44-0	
Fluorene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	86-73-7	
Indeno(1,2,3-cd)pyrene	7.8	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	91-57-6	
Naphthalene	ND	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	91-20-3	
Phenanthrene	34.6	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	85-01-8	
Pyrene	28.8	ug/kg	6.1	1	03/04/15 12:15	03/05/15 10:13	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	82	%.	38-110	1	03/04/15 12:15	03/05/15 10:13	321-60-8	
p-Terphenyl-d14 (S)	83	%.	32-111	1	03/04/15 12:15	03/05/15 10:13	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	80.2	1		03/02/15 17:37	67-64-1	
Acrolein	ND	ug/kg	80.2	1		03/02/15 17:37	107-02-8	
Acrylonitrile	ND	ug/kg	80.2	1		03/02/15 17:37	107-13-1	
Benzene	ND	ug/kg	4.0	1		03/02/15 17:37	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1		03/02/15 17:37	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		03/02/15 17:37	75-27-4	
Bromoform	ND	ug/kg	4.0	1		03/02/15 17:37	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		03/02/15 17:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.0	1		03/02/15 17:37	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-9 (0-2) Lab ID: 50113286004 Collected: 02/25/15 10:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	98-06-6	
Carbon disulfide	ND	ug/kg	8.0	1		03/02/15 17:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		03/02/15 17:37	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	75-00-3	
Chloroform	ND	ug/kg	4.0	1		03/02/15 17:37	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		03/02/15 17:37	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1		03/02/15 17:37	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1		03/02/15 17:37	106-43-4	
Dibromochloromethane	ND	ug/kg	4.0	1		03/02/15 17:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1		03/02/15 17:37	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1		03/02/15 17:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	80.2	1		03/02/15 17:37	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.0	1		03/02/15 17:37	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1		03/02/15 17:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/02/15 17:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/02/15 17:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		03/02/15 17:37	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		03/02/15 17:37	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		03/02/15 17:37	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		03/02/15 17:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/02/15 17:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/02/15 17:37	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	100-41-4	
Ethyl methacrylate	ND	ug/kg	80.2	1		03/02/15 17:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		03/02/15 17:37	87-68-3	
n-Hexane	ND	ug/kg	4.0	1		03/02/15 17:37	110-54-3	
2-Hexanone	ND	ug/kg	80.2	1		03/02/15 17:37	591-78-6	
Iodomethane	ND	ug/kg	80.2	1		03/02/15 17:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		03/02/15 17:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		03/02/15 17:37	99-87-6	
Methylene Chloride	ND	ug/kg	16.0	1		03/02/15 17:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.0	1		03/02/15 17:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		03/02/15 17:37	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	103-65-1	
Styrene	ND	ug/kg	4.0	1		03/02/15 17:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		03/02/15 17:37	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-9 (0-2) Lab ID: 50113286004 Collected: 02/25/15 10:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.0	1		03/02/15 17:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		03/02/15 17:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		03/02/15 17:37	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		03/02/15 17:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1		03/02/15 17:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		03/02/15 17:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		03/02/15 17:37	108-67-8	
Vinyl acetate	ND	ug/kg	80.2	1		03/02/15 17:37	108-05-4	
Vinyl chloride	ND	ug/kg	4.0	1		03/02/15 17:37	75-01-4	
Xylene (Total)	ND	ug/kg	8.0	1		03/02/15 17:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	118	%.	85-118	1		03/02/15 17:37	1868-53-7	
Toluene-d8 (S)	109	%.	71-128	1		03/02/15 17:37	2037-26-5	
4-Bromofluorobenzene (S)	79	%.	56-144	1		03/02/15 17:37	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.4	%	0.10	1		02/27/15 10:52		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-9 (4-6) Lab ID: 50113286005 Collected: 02/25/15 10:10 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	19.0	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:10	7440-38-2	
Barium	89.4	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:10	7440-39-3	
Cadmium	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:10	7440-43-9	
Chromium	19.7	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:10	7440-47-3	
Lead	22.9	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:10	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:10	7782-49-2	
Silver	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:10	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:27	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	207-08-9	
Chrysene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	53-70-3	
Fluoranthene	7.6	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	91-57-6	
Naphthalene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	91-20-3	
Phenanthrene	10.3	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	85-01-8	
Pyrene	7.4	ug/kg	6.0	1	03/04/15 12:15	03/05/15 10:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	97	%.	38-110	1	03/04/15 12:15	03/05/15 10:30	321-60-8	
p-Terphenyl-d14 (S)	88	%.	32-111	1	03/04/15 12:15	03/05/15 10:30	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	81.4	1		03/02/15 18:05	67-64-1	
Acrolein	ND	ug/kg	81.4	1		03/02/15 18:05	107-02-8	
Acrylonitrile	ND	ug/kg	81.4	1		03/02/15 18:05	107-13-1	
Benzene	ND	ug/kg	4.1	1		03/02/15 18:05	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		03/02/15 18:05	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		03/02/15 18:05	75-27-4	
Bromoform	ND	ug/kg	4.1	1		03/02/15 18:05	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		03/02/15 18:05	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.3	1		03/02/15 18:05	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-9 (4-6) Lab ID: 50113286005 Collected: 02/25/15 10:10 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	98-06-6	
Carbon disulfide	ND	ug/kg	8.1	1		03/02/15 18:05	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		03/02/15 18:05	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	75-00-3	
Chloroform	ND	ug/kg	4.1	1		03/02/15 18:05	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		03/02/15 18:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		03/02/15 18:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		03/02/15 18:05	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		03/02/15 18:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		03/02/15 18:05	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		03/02/15 18:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	81.4	1		03/02/15 18:05	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		03/02/15 18:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		03/02/15 18:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/02/15 18:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/02/15 18:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		03/02/15 18:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		03/02/15 18:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		03/02/15 18:05	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		03/02/15 18:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/02/15 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/02/15 18:05	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	100-41-4	
Ethyl methacrylate	ND	ug/kg	81.4	1		03/02/15 18:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		03/02/15 18:05	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		03/02/15 18:05	110-54-3	
2-Hexanone	ND	ug/kg	81.4	1		03/02/15 18:05	591-78-6	
Iodomethane	ND	ug/kg	81.4	1		03/02/15 18:05	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		03/02/15 18:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		03/02/15 18:05	99-87-6	
Methylene Chloride	ND	ug/kg	16.3	1		03/02/15 18:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.3	1		03/02/15 18:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		03/02/15 18:05	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	103-65-1	
Styrene	ND	ug/kg	4.1	1		03/02/15 18:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		03/02/15 18:05	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-9 (4-6) Lab ID: 50113286005 Collected: 02/25/15 10:10 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.1	1		03/02/15 18:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		03/02/15 18:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		03/02/15 18:05	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		03/02/15 18:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		03/02/15 18:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		03/02/15 18:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		03/02/15 18:05	108-67-8	
Vinyl acetate	ND	ug/kg	81.4	1		03/02/15 18:05	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		03/02/15 18:05	75-01-4	
Xylene (Total)	ND	ug/kg	8.1	1		03/02/15 18:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	129	%.	85-118	1		03/02/15 18:05	1868-53-7	S3
Toluene-d8 (S)	119	%.	71-128	1		03/02/15 18:05	2037-26-5	
4-Bromofluorobenzene (S)	83	%.	56-144	1		03/02/15 18:05	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.3	%	0.10	1		02/27/15 10:52		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-10 (0-2) Lab ID: 50113286006 Collected: 02/25/15 10:30 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	19.6	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:12	7440-38-2	
Barium	58.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:12	7440-39-3	
Cadmium	ND	mg/kg	0.57	1	02/28/15 09:50	03/03/15 02:12	7440-43-9	
Chromium	19.0	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:12	7440-47-3	
Lead	18.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:12	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:12	7782-49-2	
Silver	ND	mg/kg	0.57	1	02/28/15 09:50	03/03/15 02:12	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.25	1	03/04/15 13:35	03/05/15 13:30	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	83-32-9	
Acenaphthylene	ND	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	208-96-8	
Anthracene	7.6	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	120-12-7	
Benzo(a)anthracene	17.9	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	56-55-3	
Benzo(a)pyrene	16.4	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	50-32-8	
Benzo(b)fluoranthene	15.2	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	205-99-2	
Benzo(g,h,i)perylene	13.2	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	191-24-2	
Benzo(k)fluoranthene	15.2	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	207-08-9	
Chrysene	22.9	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	53-70-3	
Fluoranthene	39.1	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	206-44-0	
Fluorene	ND	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	86-73-7	
Indeno(1,2,3-cd)pyrene	9.4	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	193-39-5	
1-Methylnaphthalene	12.7	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	90-12-0	
2-Methylnaphthalene	10.9	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	91-57-6	
Naphthalene	ND	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	91-20-3	
Phenanthrene	59.0	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	85-01-8	
Pyrene	35.8	ug/kg	6.2	1	03/04/15 12:15	03/05/15 10:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	83	%.	38-110	1	03/04/15 12:15	03/05/15 10:48	321-60-8	
p-Terphenyl-d14 (S)	87	%.	32-111	1	03/04/15 12:15	03/05/15 10:48	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	88.9	1		03/02/15 18:32	67-64-1	
Acrolein	ND	ug/kg	88.9	1		03/02/15 18:32	107-02-8	
Acrylonitrile	ND	ug/kg	88.9	1		03/02/15 18:32	107-13-1	
Benzene	ND	ug/kg	4.4	1		03/02/15 18:32	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		03/02/15 18:32	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		03/02/15 18:32	75-27-4	
Bromoform	ND	ug/kg	4.4	1		03/02/15 18:32	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		03/02/15 18:32	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.2	1		03/02/15 18:32	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-10 (0-2) Lab ID: 50113286006 Collected: 02/25/15 10:30 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	98-06-6	
Carbon disulfide	ND	ug/kg	8.9	1		03/02/15 18:32	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		03/02/15 18:32	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	75-00-3	
Chloroform	ND	ug/kg	4.4	1		03/02/15 18:32	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		03/02/15 18:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		03/02/15 18:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		03/02/15 18:32	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		03/02/15 18:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		03/02/15 18:32	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		03/02/15 18:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	88.9	1		03/02/15 18:32	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		03/02/15 18:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 18:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 18:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 18:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 18:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 18:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 18:32	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 18:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 18:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 18:32	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	100-41-4	
Ethyl methacrylate	ND	ug/kg	88.9	1		03/02/15 18:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		03/02/15 18:32	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		03/02/15 18:32	110-54-3	
2-Hexanone	ND	ug/kg	88.9	1		03/02/15 18:32	591-78-6	
Iodomethane	ND	ug/kg	88.9	1		03/02/15 18:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		03/02/15 18:32	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		03/02/15 18:32	99-87-6	
Methylene Chloride	ND	ug/kg	17.8	1		03/02/15 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.2	1		03/02/15 18:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		03/02/15 18:32	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	103-65-1	
Styrene	ND	ug/kg	4.4	1		03/02/15 18:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		03/02/15 18:32	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-10 (0-2) Lab ID: 50113286006 Collected: 02/25/15 10:30 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.4	1		03/02/15 18:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		03/02/15 18:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		03/02/15 18:32	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		03/02/15 18:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		03/02/15 18:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		03/02/15 18:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		03/02/15 18:32	108-67-8	
Vinyl acetate	ND	ug/kg	88.9	1		03/02/15 18:32	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		03/02/15 18:32	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		03/02/15 18:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	125	%	85-118	1		03/02/15 18:32	1868-53-7	S3
Toluene-d8 (S)	114	%	71-128	1		03/02/15 18:32	2037-26-5	
4-Bromofluorobenzene (S)	73	%	56-144	1		03/02/15 18:32	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	19.7	%	0.10	1		02/27/15 10:52
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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-10 (4-6) Lab ID: 50113286007 Collected: 02/25/15 10:40 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	123	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:15	7440-38-2	
Barium	72.6	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:15	7440-39-3	
Cadmium	1.7	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:15	7440-43-9	
Chromium	33.6	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:15	7440-47-3	
Lead	40.9	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:15	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:15	7782-49-2	
Silver	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:15	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.53	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:36	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	120-12-7	
Benzo(a)anthracene	15.7	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	56-55-3	
Benzo(a)pyrene	17.0	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	50-32-8	
Benzo(b)fluoranthene	17.5	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	205-99-2	
Benzo(g,h,i)perylene	19.4	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	191-24-2	
Benzo(k)fluoranthene	15.6	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	207-08-9	
Chrysene	19.7	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	218-01-9	
Dibenz(a,h)anthracene	10.5	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	53-70-3	
Fluoranthene	31.3	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	86-73-7	
Indeno(1,2,3-cd)pyrene	14.6	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	193-39-5	
1-Methylnaphthalene	18.4	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	90-12-0	
2-Methylnaphthalene	19.7	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	91-57-6	
Naphthalene	11.4	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	91-20-3	
Phenanthrene	34.4	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	85-01-8	
Pyrene	30.0	ug/kg	6.0	1	03/09/15 08:45	03/10/15 04:59	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	79	%.	38-110	1	03/09/15 08:45	03/10/15 04:59	321-60-8	
p-Terphenyl-d14 (S)	66	%.	32-111	1	03/09/15 08:45	03/10/15 04:59	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	78.4	1		03/02/15 18:59	67-64-1	
Acrolein	ND	ug/kg	78.4	1		03/02/15 18:59	107-02-8	
Acrylonitrile	ND	ug/kg	78.4	1		03/02/15 18:59	107-13-1	
Benzene	ND	ug/kg	3.9	1		03/02/15 18:59	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1		03/02/15 18:59	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1		03/02/15 18:59	75-27-4	
Bromoform	ND	ug/kg	3.9	1		03/02/15 18:59	75-25-2	
Bromomethane	ND	ug/kg	3.9	1		03/02/15 18:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	19.6	1		03/02/15 18:59	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-10 (4-6) Lab ID: 50113286007 Collected: 02/25/15 10:40 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	98-06-6	
Carbon disulfide	ND	ug/kg	7.8	1		03/02/15 18:59	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	1		03/02/15 18:59	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	108-90-7	
Chloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	75-00-3	
Chloroform	ND	ug/kg	3.9	1		03/02/15 18:59	67-66-3	
Chloromethane	ND	ug/kg	3.9	1		03/02/15 18:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1		03/02/15 18:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1		03/02/15 18:59	106-43-4	
Dibromochloromethane	ND	ug/kg	3.9	1		03/02/15 18:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1		03/02/15 18:59	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1		03/02/15 18:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	78.4	1		03/02/15 18:59	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.9	1		03/02/15 18:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1		03/02/15 18:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/02/15 18:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/02/15 18:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		03/02/15 18:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		03/02/15 18:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		03/02/15 18:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		03/02/15 18:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/02/15 18:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/02/15 18:59	10061-02-6	
Ethylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	100-41-4	
Ethyl methacrylate	ND	ug/kg	78.4	1		03/02/15 18:59	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		03/02/15 18:59	87-68-3	
n-Hexane	ND	ug/kg	3.9	1		03/02/15 18:59	110-54-3	
2-Hexanone	ND	ug/kg	78.4	1		03/02/15 18:59	591-78-6	
Iodomethane	ND	ug/kg	78.4	1		03/02/15 18:59	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		03/02/15 18:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		03/02/15 18:59	99-87-6	
Methylene Chloride	ND	ug/kg	15.7	1		03/02/15 18:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.6	1		03/02/15 18:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		03/02/15 18:59	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	103-65-1	
Styrene	ND	ug/kg	3.9	1		03/02/15 18:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		03/02/15 18:59	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-10 (4-6) Lab ID: 50113286007 Collected: 02/25/15 10:40 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	3.9	1		03/02/15 18:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		03/02/15 18:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		03/02/15 18:59	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		03/02/15 18:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1		03/02/15 18:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		03/02/15 18:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		03/02/15 18:59	108-67-8	
Vinyl acetate	ND	ug/kg	78.4	1		03/02/15 18:59	108-05-4	
Vinyl chloride	ND	ug/kg	3.9	1		03/02/15 18:59	75-01-4	
Xylene (Total)	ND	ug/kg	7.8	1		03/02/15 18:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	136	%	85-118	1		03/02/15 18:59	1868-53-7	S3
Toluene-d8 (S)	132	%	71-128	1		03/02/15 18:59	2037-26-5	S3
4-Bromofluorobenzene (S)	60	%	56-144	1		03/02/15 18:59	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.6	%	0.10	1		02/27/15 10:53		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-11 (0-2) Lab ID: 50113286008 Collected: 02/25/15 11:00 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.6	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:17	7440-38-2	
Barium	60.6	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:17	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	02/28/15 09:50	03/03/15 02:17	7440-43-9	
Chromium	17.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:17	7440-47-3	
Lead	12.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:17	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:17	7782-49-2	
Silver	ND	mg/kg	0.54	1	02/28/15 09:50	03/03/15 02:17	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:38	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	16.5	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	208-96-8	
Anthracene	76.4	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	120-12-7	
Benzo(a)anthracene	144	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	56-55-3	
Benzo(a)pyrene	117	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	50-32-8	
Benzo(b)fluoranthene	116	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	205-99-2	
Benzo(g,h,i)perylene	60.5	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	191-24-2	
Benzo(k)fluoranthene	109	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	207-08-9	
Chrysene	150	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	218-01-9	
Dibenz(a,h)anthracene	31.1	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	53-70-3	
Fluoranthene	334	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	206-44-0	
Fluorene	18.1	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	86-73-7	
Indeno(1,2,3-cd)pyrene	60.3	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	193-39-5	
1-Methylnaphthalene	7.3	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	90-12-0	
2-Methylnaphthalene	6.9	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	91-57-6	
Naphthalene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	91-20-3	
Phenanthrene	257	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	85-01-8	
Pyrene	280	ug/kg	6.0	1	03/04/15 12:15	03/05/15 11:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	76	%.	38-110	1	03/04/15 12:15	03/05/15 11:24	321-60-8	
p-Terphenyl-d14 (S)	79	%.	32-111	1	03/04/15 12:15	03/05/15 11:24	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	80.3	1		03/02/15 19:27	67-64-1	
Acrolein	ND	ug/kg	80.3	1		03/02/15 19:27	107-02-8	
Acrylonitrile	ND	ug/kg	80.3	1		03/02/15 19:27	107-13-1	
Benzene	ND	ug/kg	4.0	1		03/02/15 19:27	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1		03/02/15 19:27	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		03/02/15 19:27	75-27-4	
Bromoform	ND	ug/kg	4.0	1		03/02/15 19:27	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		03/02/15 19:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.1	1		03/02/15 19:27	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-11 (0-2) Lab ID: 50113286008 Collected: 02/25/15 11:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	98-06-6	
Carbon disulfide	ND	ug/kg	8.0	1		03/02/15 19:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		03/02/15 19:27	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	75-00-3	
Chloroform	ND	ug/kg	4.0	1		03/02/15 19:27	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		03/02/15 19:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1		03/02/15 19:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1		03/02/15 19:27	106-43-4	
Dibromochloromethane	ND	ug/kg	4.0	1		03/02/15 19:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1		03/02/15 19:27	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1		03/02/15 19:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	80.3	1		03/02/15 19:27	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.0	1		03/02/15 19:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1		03/02/15 19:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/02/15 19:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/02/15 19:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		03/02/15 19:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		03/02/15 19:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		03/02/15 19:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		03/02/15 19:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/02/15 19:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/02/15 19:27	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	100-41-4	
Ethyl methacrylate	ND	ug/kg	80.3	1		03/02/15 19:27	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		03/02/15 19:27	87-68-3	
n-Hexane	ND	ug/kg	4.0	1		03/02/15 19:27	110-54-3	
2-Hexanone	ND	ug/kg	80.3	1		03/02/15 19:27	591-78-6	
Iodomethane	ND	ug/kg	80.3	1		03/02/15 19:27	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		03/02/15 19:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		03/02/15 19:27	99-87-6	
Methylene Chloride	ND	ug/kg	16.1	1		03/02/15 19:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.1	1		03/02/15 19:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		03/02/15 19:27	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	103-65-1	
Styrene	ND	ug/kg	4.0	1		03/02/15 19:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		03/02/15 19:27	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-11 (0-2) Lab ID: 50113286008 Collected: 02/25/15 11:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.0	1		03/02/15 19:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		03/02/15 19:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		03/02/15 19:27	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		03/02/15 19:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1		03/02/15 19:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		03/02/15 19:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		03/02/15 19:27	108-67-8	
Vinyl acetate	ND	ug/kg	80.3	1		03/02/15 19:27	108-05-4	
Vinyl chloride	ND	ug/kg	4.0	1		03/02/15 19:27	75-01-4	
Xylene (Total)	ND	ug/kg	8.0	1		03/02/15 19:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%.	85-118	1		03/02/15 19:27	1868-53-7	
Toluene-d8 (S)	98	%.	71-128	1		03/02/15 19:27	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	56-144	1		03/02/15 19:27	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.0	%	0.10	1		03/02/15 10:33		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-11 (6-8) Lab ID: 50113286009 Collected: 02/25/15 11:15 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.3	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:19	7440-38-2	
Barium	119	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:19	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 02:19	7440-43-9	
Chromium	17.4	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:19	7440-47-3	
Lead	21.8	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:19	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:19	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 02:19	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:40	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/04/15 12:15	03/05/15 11:42	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	92	%.	38-110	1	03/04/15 12:15	03/05/15 11:42	321-60-8	
p-Terphenyl-d14 (S)	98	%.	32-111	1	03/04/15 12:15	03/05/15 11:42	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	77.1	1		03/02/15 19:54	67-64-1	
Acrolein	ND	ug/kg	77.1	1		03/02/15 19:54	107-02-8	
Acrylonitrile	ND	ug/kg	77.1	1		03/02/15 19:54	107-13-1	
Benzene	ND	ug/kg	3.9	1		03/02/15 19:54	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1		03/02/15 19:54	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1		03/02/15 19:54	75-27-4	
Bromoform	ND	ug/kg	3.9	1		03/02/15 19:54	75-25-2	
Bromomethane	ND	ug/kg	3.9	1		03/02/15 19:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	19.3	1		03/02/15 19:54	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-11 (6-8) Lab ID: 50113286009 Collected: 02/25/15 11:15 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	98-06-6	
Carbon disulfide	ND	ug/kg	7.7	1		03/02/15 19:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	1		03/02/15 19:54	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	108-90-7	
Chloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	75-00-3	
Chloroform	ND	ug/kg	3.9	1		03/02/15 19:54	67-66-3	
Chloromethane	ND	ug/kg	3.9	1		03/02/15 19:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1		03/02/15 19:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1		03/02/15 19:54	106-43-4	
Dibromochloromethane	ND	ug/kg	3.9	1		03/02/15 19:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1		03/02/15 19:54	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1		03/02/15 19:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	77.1	1		03/02/15 19:54	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.9	1		03/02/15 19:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1		03/02/15 19:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/02/15 19:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/02/15 19:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		03/02/15 19:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		03/02/15 19:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		03/02/15 19:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		03/02/15 19:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/02/15 19:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/02/15 19:54	10061-02-6	
Ethylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	100-41-4	
Ethyl methacrylate	ND	ug/kg	77.1	1		03/02/15 19:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		03/02/15 19:54	87-68-3	
n-Hexane	ND	ug/kg	3.9	1		03/02/15 19:54	110-54-3	
2-Hexanone	ND	ug/kg	77.1	1		03/02/15 19:54	591-78-6	
Iodomethane	ND	ug/kg	77.1	1		03/02/15 19:54	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		03/02/15 19:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		03/02/15 19:54	99-87-6	
Methylene Chloride	ND	ug/kg	15.4	1		03/02/15 19:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.3	1		03/02/15 19:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		03/02/15 19:54	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	103-65-1	
Styrene	ND	ug/kg	3.9	1		03/02/15 19:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		03/02/15 19:54	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-11 (6-8) Lab ID: 50113286009 Collected: 02/25/15 11:15 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	3.9	1		03/02/15 19:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		03/02/15 19:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		03/02/15 19:54	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		03/02/15 19:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.9	1		03/02/15 19:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		03/02/15 19:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		03/02/15 19:54	108-67-8	
Vinyl acetate	ND	ug/kg	77.1	1		03/02/15 19:54	108-05-4	
Vinyl chloride	ND	ug/kg	3.9	1		03/02/15 19:54	75-01-4	
Xylene (Total)	ND	ug/kg	7.7	1		03/02/15 19:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%.	85-118	1		03/02/15 19:54	1868-53-7	
Toluene-d8 (S)	98	%.	71-128	1		03/02/15 19:54	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	56-144	1		03/02/15 19:54	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.6	%	0.10	1		03/02/15 10:33		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-12 (0-2) Lab ID: 50113286010 Collected: 02/25/15 11:30 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	8.2	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:21	7440-38-2	
Barium	68.0	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:21	7440-39-3	
Cadmium	ND	mg/kg	0.60	1	02/28/15 09:50	03/03/15 02:21	7440-43-9	
Chromium	15.3	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:21	7440-47-3	
Lead	15.2	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:21	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:21	7782-49-2	
Silver	ND	mg/kg	0.60	1	02/28/15 09:50	03/03/15 02:21	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:42	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	22.6	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	208-96-8	
Anthracene	23.8	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	120-12-7	
Benzo(a)anthracene	25.1	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	56-55-3	
Benzo(a)pyrene	16.3	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	50-32-8	
Benzo(b)fluoranthene	13.1	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	205-99-2	
Benzo(g,h,i)perylene	8.1	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	191-24-2	
Benzo(k)fluoranthene	12.0	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	207-08-9	
Chrysene	31.9	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	53-70-3	
Fluoranthene	55.1	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	206-44-0	
Fluorene	24.3	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	193-39-5	
1-Methylnaphthalene	54.0	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	90-12-0	
2-Methylnaphthalene	54.3	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	91-57-6	
Naphthalene	21.6	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	91-20-3	
Phenanthrene	217	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	85-01-8	
Pyrene	57.8	ug/kg	6.0	1	03/04/15 12:15	03/05/15 12:00	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	80	%.	38-110	1	03/04/15 12:15	03/05/15 12:00	321-60-8	
p-Terphenyl-d14 (S)	79	%.	32-111	1	03/04/15 12:15	03/05/15 12:00	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	74.0	1		03/03/15 00:29	67-64-1	
Acrolein	ND	ug/kg	74.0	1		03/03/15 00:29	107-02-8	
Acrylonitrile	ND	ug/kg	74.0	1		03/03/15 00:29	107-13-1	
Benzene	ND	ug/kg	3.7	1		03/03/15 00:29	71-43-2	
Bromobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	108-86-1	
Bromochloromethane	ND	ug/kg	3.7	1		03/03/15 00:29	74-97-5	
Bromodichloromethane	ND	ug/kg	3.7	1		03/03/15 00:29	75-27-4	
Bromoform	ND	ug/kg	3.7	1		03/03/15 00:29	75-25-2	
Bromomethane	ND	ug/kg	3.7	1		03/03/15 00:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	18.5	1		03/03/15 00:29	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-12 (0-2) Lab ID: 50113286010 Collected: 02/25/15 11:30 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	98-06-6	
Carbon disulfide	ND	ug/kg	7.4	1		03/03/15 00:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.7	1		03/03/15 00:29	56-23-5	
Chlorobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	108-90-7	
Chloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	75-00-3	
Chloroform	ND	ug/kg	3.7	1		03/03/15 00:29	67-66-3	
Chloromethane	ND	ug/kg	3.7	1		03/03/15 00:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.7	1		03/03/15 00:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.7	1		03/03/15 00:29	106-43-4	
Dibromochloromethane	ND	ug/kg	3.7	1		03/03/15 00:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.7	1		03/03/15 00:29	106-93-4	
Dibromomethane	ND	ug/kg	3.7	1		03/03/15 00:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	74.0	1		03/03/15 00:29	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.7	1		03/03/15 00:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.7	1		03/03/15 00:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.7	1		03/03/15 00:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.7	1		03/03/15 00:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.7	1		03/03/15 00:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.7	1		03/03/15 00:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.7	1		03/03/15 00:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.7	1		03/03/15 00:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.7	1		03/03/15 00:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.7	1		03/03/15 00:29	10061-02-6	
Ethylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	100-41-4	
Ethyl methacrylate	ND	ug/kg	74.0	1		03/03/15 00:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.7	1		03/03/15 00:29	87-68-3	
n-Hexane	ND	ug/kg	3.7	1		03/03/15 00:29	110-54-3	
2-Hexanone	ND	ug/kg	74.0	1		03/03/15 00:29	591-78-6	
Iodomethane	ND	ug/kg	74.0	1		03/03/15 00:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.7	1		03/03/15 00:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.7	1		03/03/15 00:29	99-87-6	
Methylene Chloride	ND	ug/kg	14.8	1		03/03/15 00:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	18.5	1		03/03/15 00:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.7	1		03/03/15 00:29	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	103-65-1	
Styrene	ND	ug/kg	3.7	1		03/03/15 00:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	79-34-5	
Tetrachloroethene	ND	ug/kg	3.7	1		03/03/15 00:29	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-12 (0-2) Lab ID: 50113286010 Collected: 02/25/15 11:30 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	3.7	1		03/03/15 00:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.7	1		03/03/15 00:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.7	1		03/03/15 00:29	79-00-5	
Trichloroethene	ND	ug/kg	3.7	1		03/03/15 00:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.7	1		03/03/15 00:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.7	1		03/03/15 00:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.7	1		03/03/15 00:29	108-67-8	
Vinyl acetate	ND	ug/kg	74.0	1		03/03/15 00:29	108-05-4	
Vinyl chloride	ND	ug/kg	3.7	1		03/03/15 00:29	75-01-4	
Xylene (Total)	ND	ug/kg	7.4	1		03/03/15 00:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	120	%	85-118	1		03/03/15 00:29	1868-53-7	S3
Toluene-d8 (S)	122	%	71-128	1		03/03/15 00:29	2037-26-5	
4-Bromofluorobenzene (S)	65	%	56-144	1		03/03/15 00:29	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.1	%	0.10	1		03/02/15 10:34		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-12 (8-10) Lab ID: 50113286011 Collected: 02/25/15 12:15 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	8.4	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:23	7440-38-2	
Barium	47.6	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:23	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 02:23	7440-43-9	
Chromium	6.7	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:23	7440-47-3	
Lead	4.9	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:23	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:23	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 02:23	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:35	03/05/15 13:44	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	205-99-2	
Benzo(g,h,i)perylene	5.9	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	218-01-9	
Dibenz(a,h)anthracene	7.3	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	86-73-7	
Indeno(1,2,3-cd)pyrene	6.6	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	82	%.	38-110	1	03/04/15 11:05	03/10/15 06:29	321-60-8	
p-Terphenyl-d14 (S)	89	%.	32-111	1	03/04/15 11:05	03/10/15 06:29	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	75.4	1		03/03/15 00:56	67-64-1	
Acrolein	ND	ug/kg	75.4	1		03/03/15 00:56	107-02-8	
Acrylonitrile	ND	ug/kg	75.4	1		03/03/15 00:56	107-13-1	
Benzene	ND	ug/kg	3.8	1		03/03/15 00:56	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1		03/03/15 00:56	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		03/03/15 00:56	75-27-4	
Bromoform	ND	ug/kg	3.8	1		03/03/15 00:56	75-25-2	
Bromomethane	ND	ug/kg	3.8	1		03/03/15 00:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	18.8	1		03/03/15 00:56	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-12 (8-10) Lab ID: 50113286011 Collected: 02/25/15 12:15 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	98-06-6	
Carbon disulfide	ND	ug/kg	7.5	1		03/03/15 00:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1		03/03/15 00:56	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	108-90-7	
Chloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	75-00-3	
Chloroform	ND	ug/kg	3.8	1		03/03/15 00:56	67-66-3	
Chloromethane	ND	ug/kg	3.8	1		03/03/15 00:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1		03/03/15 00:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1		03/03/15 00:56	106-43-4	
Dibromochloromethane	ND	ug/kg	3.8	1		03/03/15 00:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1		03/03/15 00:56	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1		03/03/15 00:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	75.4	1		03/03/15 00:56	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.8	1		03/03/15 00:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		03/03/15 00:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		03/03/15 00:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		03/03/15 00:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		03/03/15 00:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		03/03/15 00:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		03/03/15 00:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		03/03/15 00:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		03/03/15 00:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		03/03/15 00:56	10061-02-6	
Ethylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	100-41-4	
Ethyl methacrylate	ND	ug/kg	75.4	1		03/03/15 00:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		03/03/15 00:56	87-68-3	
n-Hexane	ND	ug/kg	3.8	1		03/03/15 00:56	110-54-3	
2-Hexanone	ND	ug/kg	75.4	1		03/03/15 00:56	591-78-6	
Iodomethane	ND	ug/kg	75.4	1		03/03/15 00:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		03/03/15 00:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		03/03/15 00:56	99-87-6	
Methylene Chloride	ND	ug/kg	15.1	1		03/03/15 00:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	18.8	1		03/03/15 00:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		03/03/15 00:56	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	103-65-1	
Styrene	ND	ug/kg	3.8	1		03/03/15 00:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		03/03/15 00:56	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-12 (8-10) Lab ID: 50113286011 Collected: 02/25/15 12:15 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	3.8	1		03/03/15 00:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		03/03/15 00:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		03/03/15 00:56	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		03/03/15 00:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		03/03/15 00:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		03/03/15 00:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		03/03/15 00:56	108-67-8	
Vinyl acetate	ND	ug/kg	75.4	1		03/03/15 00:56	108-05-4	
Vinyl chloride	ND	ug/kg	3.8	1		03/03/15 00:56	75-01-4	
Xylene (Total)	ND	ug/kg	7.5	1		03/03/15 00:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	85-118	1		03/03/15 00:56	1868-53-7	
Toluene-d8 (S)	98	%.	71-128	1		03/03/15 00:56	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	56-144	1		03/03/15 00:56	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.4	%	0.10	1		03/02/15 10:34		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: Blind Duplicate 2 **Lab ID: 50113286012** Collected: 02/25/15 08:00 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	4.7	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:25	7440-38-2	
Barium	72.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:25	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	02/28/15 09:50	03/03/15 02:25	7440-43-9	
Chromium	13.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:25	7440-47-3	
Lead	10.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:25	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:25	7782-49-2	
Silver	ND	mg/kg	0.55	1	02/28/15 09:50	03/03/15 02:25	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:35	03/05/15 13:46	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 06:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	86	%.	38-110	1	03/04/15 11:05	03/10/15 06:47	321-60-8	
p-Terphenyl-d14 (S)	91	%.	32-111	1	03/04/15 11:05	03/10/15 06:47	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	93.3	1		03/03/15 01:24	67-64-1	
Acrolein	ND	ug/kg	93.3	1		03/03/15 01:24	107-02-8	
Acrylonitrile	ND	ug/kg	93.3	1		03/03/15 01:24	107-13-1	
Benzene	ND	ug/kg	4.7	1		03/03/15 01:24	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		03/03/15 01:24	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		03/03/15 01:24	75-27-4	
Bromoform	ND	ug/kg	4.7	1		03/03/15 01:24	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		03/03/15 01:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.3	1		03/03/15 01:24	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: Blind Duplicate 2 Lab ID: 50113286012 Collected: 02/25/15 08:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	98-06-6	
Carbon disulfide	ND	ug/kg	9.3	1		03/03/15 01:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		03/03/15 01:24	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	75-00-3	
Chloroform	ND	ug/kg	4.7	1		03/03/15 01:24	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		03/03/15 01:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 01:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 01:24	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		03/03/15 01:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		03/03/15 01:24	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		03/03/15 01:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	93.3	1		03/03/15 01:24	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		03/03/15 01:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 01:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 01:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 01:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 01:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 01:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 01:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 01:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 01:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 01:24	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	100-41-4	
Ethyl methacrylate	ND	ug/kg	93.3	1		03/03/15 01:24	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		03/03/15 01:24	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		03/03/15 01:24	110-54-3	
2-Hexanone	ND	ug/kg	93.3	1		03/03/15 01:24	591-78-6	
Iodomethane	ND	ug/kg	93.3	1		03/03/15 01:24	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		03/03/15 01:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		03/03/15 01:24	99-87-6	
Methylene Chloride	ND	ug/kg	18.7	1		03/03/15 01:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.3	1		03/03/15 01:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		03/03/15 01:24	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	103-65-1	
Styrene	ND	ug/kg	4.7	1		03/03/15 01:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		03/03/15 01:24	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: Blind Duplicate 2 Lab ID: 50113286012 Collected: 02/25/15 08:00 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.7	1		03/03/15 01:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 01:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 01:24	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		03/03/15 01:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		03/03/15 01:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		03/03/15 01:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 01:24	108-67-8	
Vinyl acetate	ND	ug/kg	93.3	1		03/03/15 01:24	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		03/03/15 01:24	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		03/03/15 01:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%.	85-118	1		03/03/15 01:24	1868-53-7	
Toluene-d8 (S)	97	%.	71-128	1		03/03/15 01:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	56-144	1		03/03/15 01:24	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.7	%	0.10	1		03/02/15 10:34		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-13 (0-2) Lab ID: 50113286013 Collected: 02/25/15 12:30 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.9	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:27	7440-38-2	
Barium	72.6	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:27	7440-39-3	
Cadmium	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:27	7440-43-9	
Chromium	14.4	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:27	7440-47-3	
Lead	8.3	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:27	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:27	7782-49-2	
Silver	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:27	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:49	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	53-70-3	
Fluoranthene	7.2	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	91-20-3	
Phenanthrene	19.8	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	85-01-8	
Pyrene	6.8	ug/kg	5.9	1	03/04/15 11:05	03/10/15 07:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	67	%.	38-110	1	03/04/15 11:05	03/10/15 07:04	321-60-8	
p-Terphenyl-d14 (S)	66	%.	32-111	1	03/04/15 11:05	03/10/15 07:04	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	88.1	1		03/02/15 20:22	67-64-1	
Acrolein	ND	ug/kg	88.1	1		03/02/15 20:22	107-02-8	
Acrylonitrile	ND	ug/kg	88.1	1		03/02/15 20:22	107-13-1	
Benzene	ND	ug/kg	4.4	1		03/02/15 20:22	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		03/02/15 20:22	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		03/02/15 20:22	75-27-4	
Bromoform	ND	ug/kg	4.4	1		03/02/15 20:22	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		03/02/15 20:22	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.0	1		03/02/15 20:22	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-13 (0-2) Lab ID: 50113286013 Collected: 02/25/15 12:30 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	98-06-6	
Carbon disulfide	ND	ug/kg	8.8	1		03/02/15 20:22	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		03/02/15 20:22	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	75-00-3	
Chloroform	ND	ug/kg	4.4	1		03/02/15 20:22	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		03/02/15 20:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		03/02/15 20:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		03/02/15 20:22	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		03/02/15 20:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		03/02/15 20:22	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		03/02/15 20:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	88.1	1		03/02/15 20:22	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		03/02/15 20:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 20:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 20:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/02/15 20:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 20:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 20:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		03/02/15 20:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 20:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 20:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/02/15 20:22	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	100-41-4	
Ethyl methacrylate	ND	ug/kg	88.1	1		03/02/15 20:22	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		03/02/15 20:22	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		03/02/15 20:22	110-54-3	
2-Hexanone	ND	ug/kg	88.1	1		03/02/15 20:22	591-78-6	
Iodomethane	ND	ug/kg	88.1	1		03/02/15 20:22	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		03/02/15 20:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		03/02/15 20:22	99-87-6	
Methylene Chloride	ND	ug/kg	17.6	1		03/02/15 20:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.0	1		03/02/15 20:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		03/02/15 20:22	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	103-65-1	
Styrene	ND	ug/kg	4.4	1		03/02/15 20:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		03/02/15 20:22	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-13 (0-2) Lab ID: 50113286013 Collected: 02/25/15 12:30 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.4	1		03/02/15 20:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		03/02/15 20:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		03/02/15 20:22	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		03/02/15 20:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		03/02/15 20:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		03/02/15 20:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		03/02/15 20:22	108-67-8	
Vinyl acetate	ND	ug/kg	88.1	1		03/02/15 20:22	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		03/02/15 20:22	75-01-4	
Xylene (Total)	ND	ug/kg	8.8	1		03/02/15 20:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	117	%	85-118	1		03/02/15 20:22	1868-53-7	
Toluene-d8 (S)	105	%	71-128	1		03/02/15 20:22	2037-26-5	
4-Bromofluorobenzene (S)	79	%	56-144	1		03/02/15 20:22	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.5	%	0.10	1		03/02/15 10:34		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-13 (4-6) Lab ID: 50113286014 Collected: 02/25/15 12:40 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	8.7	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:43	7440-38-2	
Barium	71.2	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:43	7440-39-3	
Cadmium	ND	mg/kg	0.56	1	02/28/15 09:50	03/03/15 02:43	7440-43-9	
Chromium	12.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:43	7440-47-3	
Lead	10.6	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:43	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:43	7782-49-2	
Silver	ND	mg/kg	0.56	1	02/28/15 09:50	03/03/15 02:43	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 13:55	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	207-08-9	
Chrysene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	53-70-3	
Fluoranthene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	91-57-6	
Naphthalene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	91-20-3	
Phenanthrene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	85-01-8	
Pyrene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 07:58	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	76	%.	38-110	1	03/04/15 11:05	03/10/15 07:58	321-60-8	
p-Terphenyl-d14 (S)	77	%.	32-111	1	03/04/15 11:05	03/10/15 07:58	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	91.4	1		03/03/15 01:51	67-64-1	
Acrolein	ND	ug/kg	91.4	1		03/03/15 01:51	107-02-8	
Acrylonitrile	ND	ug/kg	91.4	1		03/03/15 01:51	107-13-1	
Benzene	ND	ug/kg	4.6	1		03/03/15 01:51	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		03/03/15 01:51	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		03/03/15 01:51	75-27-4	
Bromoform	ND	ug/kg	4.6	1		03/03/15 01:51	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		03/03/15 01:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.8	1		03/03/15 01:51	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-13 (4-6) Lab ID: 50113286014 Collected: 02/25/15 12:40 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	98-06-6	
Carbon disulfide	ND	ug/kg	9.1	1		03/03/15 01:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		03/03/15 01:51	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	75-00-3	
Chloroform	ND	ug/kg	4.6	1		03/03/15 01:51	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		03/03/15 01:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 01:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		03/03/15 01:51	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		03/03/15 01:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		03/03/15 01:51	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		03/03/15 01:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	91.4	1		03/03/15 01:51	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		03/03/15 01:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 01:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 01:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		03/03/15 01:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 01:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 01:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		03/03/15 01:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 01:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 01:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		03/03/15 01:51	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	100-41-4	
Ethyl methacrylate	ND	ug/kg	91.4	1		03/03/15 01:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		03/03/15 01:51	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		03/03/15 01:51	110-54-3	
2-Hexanone	ND	ug/kg	91.4	1		03/03/15 01:51	591-78-6	
Iodomethane	ND	ug/kg	91.4	1		03/03/15 01:51	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		03/03/15 01:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		03/03/15 01:51	99-87-6	
Methylene Chloride	ND	ug/kg	18.3	1		03/03/15 01:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.8	1		03/03/15 01:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		03/03/15 01:51	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	103-65-1	
Styrene	ND	ug/kg	4.6	1		03/03/15 01:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		03/03/15 01:51	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-13 (4-6) Lab ID: 50113286014 Collected: 02/25/15 12:40 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.6	1		03/03/15 01:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		03/03/15 01:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		03/03/15 01:51	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		03/03/15 01:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		03/03/15 01:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		03/03/15 01:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		03/03/15 01:51	108-67-8	
Vinyl acetate	ND	ug/kg	91.4	1		03/03/15 01:51	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		03/03/15 01:51	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	1		03/03/15 01:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%.	85-118	1		03/03/15 01:51	1868-53-7	
Toluene-d8 (S)	97	%.	71-128	1		03/03/15 01:51	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	56-144	1		03/03/15 01:51	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.0	%	0.10	1		03/02/15 10:34		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-14 (0-2) Lab ID: 50113286015 Collected: 02/25/15 13:10 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.3	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:45	7440-38-2	
Barium	85.1	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:45	7440-39-3	
Cadmium	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:45	7440-43-9	
Chromium	16.3	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:45	7440-47-3	
Lead	9.7	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:45	7439-92-1	
Selenium	ND	mg/kg	1.0	1	02/28/15 09:50	03/03/15 02:45	7782-49-2	
Silver	ND	mg/kg	0.52	1	02/28/15 09:50	03/03/15 02:45	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 14:04	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	83-32-9	
Acenaphthylene	ND	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	208-96-8	
Anthracene	15.5	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	120-12-7	
Benzo(a)anthracene	91.4	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	56-55-3	
Benzo(a)pyrene	105	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	50-32-8	
Benzo(b)fluoranthene	113	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	205-99-2	
Benzo(g,h,i)perylene	87.4	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	191-24-2	
Benzo(k)fluoranthene	91.4	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	207-08-9	
Chrysene	134	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	218-01-9	
Dibenz(a,h)anthracene	28.5	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	53-70-3	
Fluoranthene	304	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	206-44-0	
Fluorene	ND	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	86-73-7	
Indeno(1,2,3-cd)pyrene	68.9	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	91-57-6	
Naphthalene	ND	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	91-20-3	
Phenanthrene	114	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	85-01-8	
Pyrene	277	ug/kg	6.2	1	03/11/15 08:17	03/11/15 19:53	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	67	%.	38-110	1	03/11/15 08:17	03/11/15 19:53	321-60-8	
p-Terphenyl-d14 (S)	66	%.	32-111	1	03/11/15 08:17	03/11/15 19:53	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	96.8	1		03/03/15 13:53	67-64-1	
Acrolein	ND	ug/kg	96.8	1		03/03/15 13:53	107-02-8	
Acrylonitrile	ND	ug/kg	96.8	1		03/03/15 13:53	107-13-1	
Benzene	ND	ug/kg	4.8	1		03/03/15 13:53	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		03/03/15 13:53	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		03/03/15 13:53	75-27-4	
Bromoform	ND	ug/kg	4.8	1		03/03/15 13:53	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		03/03/15 13:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.2	1		03/03/15 13:53	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-14 (0-2) Lab ID: 50113286015 Collected: 02/25/15 13:10 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	98-06-6	
Carbon disulfide	ND	ug/kg	9.7	1		03/03/15 13:53	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		03/03/15 13:53	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	75-00-3	
Chloroform	ND	ug/kg	4.8	1		03/03/15 13:53	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		03/03/15 13:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		03/03/15 13:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		03/03/15 13:53	106-43-4	
Dibromochloromethane	ND	ug/kg	4.8	1		03/03/15 13:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		03/03/15 13:53	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		03/03/15 13:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	96.8	1		03/03/15 13:53	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.8	1		03/03/15 13:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		03/03/15 13:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		03/03/15 13:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		03/03/15 13:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		03/03/15 13:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		03/03/15 13:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		03/03/15 13:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		03/03/15 13:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		03/03/15 13:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		03/03/15 13:53	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	100-41-4	
Ethyl methacrylate	ND	ug/kg	96.8	1		03/03/15 13:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		03/03/15 13:53	87-68-3	
n-Hexane	ND	ug/kg	4.8	1		03/03/15 13:53	110-54-3	
2-Hexanone	ND	ug/kg	96.8	1		03/03/15 13:53	591-78-6	
Iodomethane	ND	ug/kg	96.8	1		03/03/15 13:53	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		03/03/15 13:53	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		03/03/15 13:53	99-87-6	
Methylene Chloride	ND	ug/kg	19.4	1		03/03/15 13:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.2	1		03/03/15 13:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		03/03/15 13:53	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	103-65-1	
Styrene	ND	ug/kg	4.8	1		03/03/15 13:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		03/03/15 13:53	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-14 (0-2) Lab ID: 50113286015 Collected: 02/25/15 13:10 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.8	1		03/03/15 13:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		03/03/15 13:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		03/03/15 13:53	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		03/03/15 13:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		03/03/15 13:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		03/03/15 13:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		03/03/15 13:53	108-67-8	
Vinyl acetate	ND	ug/kg	96.8	1		03/03/15 13:53	108-05-4	
Vinyl chloride	ND	ug/kg	4.8	1		03/03/15 13:53	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	1		03/03/15 13:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	85-118	1		03/03/15 13:53	1868-53-7	
Toluene-d8 (S)	98	%.	71-128	1		03/03/15 13:53	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	56-144	1		03/03/15 13:53	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.2	%	0.10	1		03/02/15 10:35		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-14 (4-6) Lab ID: 50113286016 Collected: 02/25/15 13:20 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	4.3	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:47	7440-38-2	
Barium	119	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:47	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 02:47	7440-43-9	
Chromium	13.4	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:47	7440-47-3	
Lead	8.4	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:47	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/28/15 09:50	03/03/15 02:47	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 02:47	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.22	1	03/04/15 13:35	03/05/15 14:06	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/11/15 08:17	03/11/15 20:11	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%.	38-110	1	03/11/15 08:17	03/11/15 20:11	321-60-8	
p-Terphenyl-d14 (S)	62	%.	32-111	1	03/11/15 08:17	03/11/15 20:11	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	82.2	1		03/03/15 02:19	67-64-1	
Acrolein	ND	ug/kg	82.2	1		03/03/15 02:19	107-02-8	
Acrylonitrile	ND	ug/kg	82.2	1		03/03/15 02:19	107-13-1	
Benzene	ND	ug/kg	4.1	1		03/03/15 02:19	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		03/03/15 02:19	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		03/03/15 02:19	75-27-4	
Bromoform	ND	ug/kg	4.1	1		03/03/15 02:19	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		03/03/15 02:19	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.6	1		03/03/15 02:19	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-14 (4-6) Lab ID: 50113286016 Collected: 02/25/15 13:20 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	98-06-6	
Carbon disulfide	ND	ug/kg	8.2	1		03/03/15 02:19	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		03/03/15 02:19	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	75-00-3	
Chloroform	ND	ug/kg	4.1	1		03/03/15 02:19	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		03/03/15 02:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		03/03/15 02:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		03/03/15 02:19	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		03/03/15 02:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		03/03/15 02:19	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		03/03/15 02:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	82.2	1		03/03/15 02:19	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		03/03/15 02:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 02:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 02:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/03/15 02:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 02:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 02:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		03/03/15 02:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 02:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 02:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/03/15 02:19	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	100-41-4	
Ethyl methacrylate	ND	ug/kg	82.2	1		03/03/15 02:19	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		03/03/15 02:19	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		03/03/15 02:19	110-54-3	
2-Hexanone	ND	ug/kg	82.2	1		03/03/15 02:19	591-78-6	
Iodomethane	ND	ug/kg	82.2	1		03/03/15 02:19	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		03/03/15 02:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		03/03/15 02:19	99-87-6	
Methylene Chloride	ND	ug/kg	16.4	1		03/03/15 02:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.6	1		03/03/15 02:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		03/03/15 02:19	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	103-65-1	
Styrene	ND	ug/kg	4.1	1		03/03/15 02:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		03/03/15 02:19	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-14 (4-6) Lab ID: 50113286016 Collected: 02/25/15 13:20 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.1	1		03/03/15 02:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		03/03/15 02:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		03/03/15 02:19	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		03/03/15 02:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.1	1		03/03/15 02:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		03/03/15 02:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		03/03/15 02:19	108-67-8	
Vinyl acetate	ND	ug/kg	82.2	1		03/03/15 02:19	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		03/03/15 02:19	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		03/03/15 02:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%	85-118	1		03/03/15 02:19	1868-53-7	
Toluene-d8 (S)	98	%	71-128	1		03/03/15 02:19	2037-26-5	
4-Bromofluorobenzene (S)	96	%	56-144	1		03/03/15 02:19	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.1	%	0.10	1		03/02/15 10:35		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-15 (0-2) Lab ID: 50113286017 Collected: 02/25/15 13:40 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	10	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:50	7440-38-2	
Barium	68.0	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:50	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	02/28/15 09:50	03/03/15 02:50	7440-43-9	
Chromium	19.1	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:50	7440-47-3	
Lead	14.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:50	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:50	7782-49-2	
Silver	ND	mg/kg	0.54	1	02/28/15 09:50	03/03/15 02:50	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:35	03/05/15 14:08	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	120-12-7	
Benzo(a)anthracene	6.2	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	50-32-8	
Benzo(b)fluoranthene	6.0	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	205-99-2	
Benzo(g,h,i)perylene	6.7	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	207-08-9	
Chrysene	9.7	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	53-70-3	
Fluoranthene	18.0	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	91-57-6	
Naphthalene	7.8	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	91-20-3	
Phenanthrene	23.5	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	85-01-8	
Pyrene	16.3	ug/kg	6.0	1	03/04/15 11:05	03/10/15 08:52	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54	%.	38-110	1	03/04/15 11:05	03/10/15 08:52	321-60-8	
p-Terphenyl-d14 (S)	50	%.	32-111	1	03/04/15 11:05	03/10/15 08:52	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	83.8	1		03/03/15 02:46	67-64-1	
Acrolein	ND	ug/kg	83.8	1		03/03/15 02:46	107-02-8	
Acrylonitrile	ND	ug/kg	83.8	1		03/03/15 02:46	107-13-1	
Benzene	ND	ug/kg	4.2	1		03/03/15 02:46	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		03/03/15 02:46	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		03/03/15 02:46	75-27-4	
Bromoform	ND	ug/kg	4.2	1		03/03/15 02:46	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		03/03/15 02:46	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.9	1		03/03/15 02:46	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-15 (0-2) Lab ID: 50113286017 Collected: 02/25/15 13:40 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	98-06-6	
Carbon disulfide	ND	ug/kg	8.4	1		03/03/15 02:46	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		03/03/15 02:46	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	75-00-3	
Chloroform	ND	ug/kg	4.2	1		03/03/15 02:46	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		03/03/15 02:46	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		03/03/15 02:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		03/03/15 02:46	106-43-4	
Dibromochloromethane	ND	ug/kg	4.2	1		03/03/15 02:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		03/03/15 02:46	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		03/03/15 02:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	83.8	1		03/03/15 02:46	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.2	1		03/03/15 02:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 02:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 02:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 02:46	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 02:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 02:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 02:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 02:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 02:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 02:46	10061-02-6	
Ethylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	100-41-4	
Ethyl methacrylate	ND	ug/kg	83.8	1		03/03/15 02:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		03/03/15 02:46	87-68-3	
n-Hexane	ND	ug/kg	4.2	1		03/03/15 02:46	110-54-3	
2-Hexanone	ND	ug/kg	83.8	1		03/03/15 02:46	591-78-6	
Iodomethane	ND	ug/kg	83.8	1		03/03/15 02:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		03/03/15 02:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		03/03/15 02:46	99-87-6	
Methylene Chloride	ND	ug/kg	16.8	1		03/03/15 02:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.9	1		03/03/15 02:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		03/03/15 02:46	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	103-65-1	
Styrene	ND	ug/kg	4.2	1		03/03/15 02:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		03/03/15 02:46	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-15 (0-2) Lab ID: 50113286017 Collected: 02/25/15 13:40 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.2	1		03/03/15 02:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		03/03/15 02:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		03/03/15 02:46	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		03/03/15 02:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		03/03/15 02:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		03/03/15 02:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		03/03/15 02:46	108-67-8	
Vinyl acetate	ND	ug/kg	83.8	1		03/03/15 02:46	108-05-4	
Vinyl chloride	ND	ug/kg	4.2	1		03/03/15 02:46	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	1		03/03/15 02:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%	85-118	1		03/03/15 02:46	1868-53-7	
Toluene-d8 (S)	99	%	71-128	1		03/03/15 02:46	2037-26-5	
4-Bromofluorobenzene (S)	90	%	56-144	1		03/03/15 02:46	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.5	%	0.10	1		03/04/15 09:13		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-15 (2-4) Lab ID: 50113286018 Collected: 02/25/15 13:50 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.8	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:52	7440-38-2	
Barium	54.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:52	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	02/28/15 09:50	03/03/15 02:52	7440-43-9	
Chromium	14.0	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:52	7440-47-3	
Lead	8.0	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:52	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:52	7782-49-2	
Silver	ND	mg/kg	0.55	1	02/28/15 09:50	03/03/15 02:52	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:35	03/05/15 14:10	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:10	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	80	%.	38-110	1	03/04/15 11:05	03/10/15 09:10	321-60-8	
p-Terphenyl-d14 (S)	87	%.	32-111	1	03/04/15 11:05	03/10/15 09:10	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	75.5	1		03/03/15 03:13	67-64-1	
Acrolein	ND	ug/kg	75.5	1		03/03/15 03:13	107-02-8	
Acrylonitrile	ND	ug/kg	75.5	1		03/03/15 03:13	107-13-1	
Benzene	ND	ug/kg	3.8	1		03/03/15 03:13	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1		03/03/15 03:13	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		03/03/15 03:13	75-27-4	
Bromoform	ND	ug/kg	3.8	1		03/03/15 03:13	75-25-2	
Bromomethane	ND	ug/kg	3.8	1		03/03/15 03:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	18.9	1		03/03/15 03:13	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-15 (2-4) Lab ID: 50113286018 Collected: 02/25/15 13:50 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	98-06-6	
Carbon disulfide	ND	ug/kg	7.6	1		03/03/15 03:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1		03/03/15 03:13	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	108-90-7	
Chloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	75-00-3	
Chloroform	ND	ug/kg	3.8	1		03/03/15 03:13	67-66-3	
Chloromethane	ND	ug/kg	3.8	1		03/03/15 03:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1		03/03/15 03:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1		03/03/15 03:13	106-43-4	
Dibromochloromethane	ND	ug/kg	3.8	1		03/03/15 03:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1		03/03/15 03:13	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1		03/03/15 03:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	75.5	1		03/03/15 03:13	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.8	1		03/03/15 03:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		03/03/15 03:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		03/03/15 03:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		03/03/15 03:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		03/03/15 03:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		03/03/15 03:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		03/03/15 03:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		03/03/15 03:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		03/03/15 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		03/03/15 03:13	10061-02-6	
Ethylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	100-41-4	
Ethyl methacrylate	ND	ug/kg	75.5	1		03/03/15 03:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		03/03/15 03:13	87-68-3	
n-Hexane	ND	ug/kg	3.8	1		03/03/15 03:13	110-54-3	
2-Hexanone	ND	ug/kg	75.5	1		03/03/15 03:13	591-78-6	
Iodomethane	ND	ug/kg	75.5	1		03/03/15 03:13	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		03/03/15 03:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		03/03/15 03:13	99-87-6	
Methylene Chloride	ND	ug/kg	15.1	1		03/03/15 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	18.9	1		03/03/15 03:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		03/03/15 03:13	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	103-65-1	
Styrene	ND	ug/kg	3.8	1		03/03/15 03:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		03/03/15 03:13	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-15 (2-4) Lab ID: 50113286018 Collected: 02/25/15 13:50 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	3.8	1		03/03/15 03:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		03/03/15 03:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		03/03/15 03:13	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		03/03/15 03:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		03/03/15 03:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		03/03/15 03:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		03/03/15 03:13	108-67-8	
Vinyl acetate	ND	ug/kg	75.5	1		03/03/15 03:13	108-05-4	
Vinyl chloride	ND	ug/kg	3.8	1		03/03/15 03:13	75-01-4	
Xylene (Total)	ND	ug/kg	7.6	1		03/03/15 03:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%.	85-118	1		03/03/15 03:13	1868-53-7	
Toluene-d8 (S)	96	%.	71-128	1		03/03/15 03:13	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	56-144	1		03/03/15 03:13	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.9	%	0.10	1		03/04/15 09:13		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-16 (2-4) Lab ID: 50113286019 Collected: 02/25/15 14:15 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:54	7440-38-2	
Barium	108	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:54	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	02/28/15 09:50	03/03/15 02:54	7440-43-9	
Chromium	15.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:54	7440-47-3	
Lead	16.3	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:54	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:54	7782-49-2	
Silver	ND	mg/kg	0.55	1	02/28/15 09:50	03/03/15 02:54	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:35	03/05/15 14:12	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	208-96-8	
Anthracene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	207-08-9	
Chrysene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	53-70-3	
Fluoranthene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	206-44-0	
Fluorene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	91-57-6	
Naphthalene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	91-20-3	
Phenanthrene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	85-01-8	
Pyrene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51	%.	38-110	1	03/11/15 08:17	03/11/15 20:29	321-60-8	
p-Terphenyl-d14 (S)	57	%.	32-111	1	03/11/15 08:17	03/11/15 20:29	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	93.1	1		03/03/15 03:41	67-64-1	
Acrolein	ND	ug/kg	93.1	1		03/03/15 03:41	107-02-8	
Acrylonitrile	ND	ug/kg	93.1	1		03/03/15 03:41	107-13-1	
Benzene	ND	ug/kg	4.7	1		03/03/15 03:41	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		03/03/15 03:41	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		03/03/15 03:41	75-27-4	
Bromoform	ND	ug/kg	4.7	1		03/03/15 03:41	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		03/03/15 03:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.3	1		03/03/15 03:41	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-16 (2-4) Lab ID: 50113286019 Collected: 02/25/15 14:15 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	98-06-6	
Carbon disulfide	ND	ug/kg	9.3	1		03/03/15 03:41	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		03/03/15 03:41	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	75-00-3	
Chloroform	ND	ug/kg	4.7	1		03/03/15 03:41	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		03/03/15 03:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 03:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 03:41	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		03/03/15 03:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		03/03/15 03:41	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		03/03/15 03:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	93.1	1		03/03/15 03:41	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		03/03/15 03:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 03:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 03:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 03:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 03:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 03:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 03:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 03:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 03:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 03:41	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	100-41-4	
Ethyl methacrylate	ND	ug/kg	93.1	1		03/03/15 03:41	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		03/03/15 03:41	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		03/03/15 03:41	110-54-3	
2-Hexanone	ND	ug/kg	93.1	1		03/03/15 03:41	591-78-6	
Iodomethane	ND	ug/kg	93.1	1		03/03/15 03:41	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		03/03/15 03:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		03/03/15 03:41	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	1		03/03/15 03:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.3	1		03/03/15 03:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		03/03/15 03:41	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	103-65-1	
Styrene	ND	ug/kg	4.7	1		03/03/15 03:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		03/03/15 03:41	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-16 (2-4) Lab ID: 50113286019 Collected: 02/25/15 14:15 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.7	1		03/03/15 03:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 03:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 03:41	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		03/03/15 03:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		03/03/15 03:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		03/03/15 03:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 03:41	108-67-8	
Vinyl acetate	ND	ug/kg	93.1	1		03/03/15 03:41	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		03/03/15 03:41	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		03/03/15 03:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	119	%.	85-118	1		03/03/15 03:41	1868-53-7	S3
Toluene-d8 (S)	109	%.	71-128	1		03/03/15 03:41	2037-26-5	
4-Bromofluorobenzene (S)	79	%.	56-144	1		03/03/15 03:41	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.9	%	0.10	1		03/04/15 09:13
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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-16 (6-8) Lab ID: 50113286020 Collected: 02/25/15 14:25 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.1	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:56	7440-38-2	
Barium	122	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:56	7440-39-3	
Cadmium	ND	mg/kg	0.56	1	02/28/15 09:50	03/03/15 02:56	7440-43-9	
Chromium	15.9	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:56	7440-47-3	
Lead	9.8	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:56	7439-92-1	
Selenium	ND	mg/kg	1.1	1	02/28/15 09:50	03/03/15 02:56	7782-49-2	
Silver	ND	mg/kg	0.56	1	02/28/15 09:50	03/03/15 02:56	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.23	1	03/04/15 13:35	03/05/15 14:14	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	208-96-8	
Anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	207-08-9	
Chrysene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	53-70-3	
Fluoranthene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	206-44-0	
Fluorene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	91-57-6	
Naphthalene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	91-20-3	
Phenanthrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	85-01-8	
Pyrene	ND	ug/kg	5.9	1	03/04/15 11:05	03/10/15 09:46	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	67	%.	38-110	1	03/04/15 11:05	03/10/15 09:46	321-60-8	
p-Terphenyl-d14 (S)	77	%.	32-111	1	03/04/15 11:05	03/10/15 09:46	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	83.8	1		03/03/15 04:08	67-64-1	
Acrolein	ND	ug/kg	83.8	1		03/03/15 04:08	107-02-8	
Acrylonitrile	ND	ug/kg	83.8	1		03/03/15 04:08	107-13-1	
Benzene	ND	ug/kg	4.2	1		03/03/15 04:08	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		03/03/15 04:08	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		03/03/15 04:08	75-27-4	
Bromoform	ND	ug/kg	4.2	1		03/03/15 04:08	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		03/03/15 04:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.9	1		03/03/15 04:08	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-16 (6-8) Lab ID: 50113286020 Collected: 02/25/15 14:25 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	98-06-6	
Carbon disulfide	ND	ug/kg	8.4	1		03/03/15 04:08	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		03/03/15 04:08	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	75-00-3	
Chloroform	ND	ug/kg	4.2	1		03/03/15 04:08	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		03/03/15 04:08	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		03/03/15 04:08	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		03/03/15 04:08	106-43-4	
Dibromochloromethane	ND	ug/kg	4.2	1		03/03/15 04:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		03/03/15 04:08	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		03/03/15 04:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	83.8	1		03/03/15 04:08	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.2	1		03/03/15 04:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 04:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 04:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/03/15 04:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 04:08	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 04:08	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		03/03/15 04:08	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 04:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 04:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/03/15 04:08	10061-02-6	
Ethylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	100-41-4	
Ethyl methacrylate	ND	ug/kg	83.8	1		03/03/15 04:08	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		03/03/15 04:08	87-68-3	
n-Hexane	ND	ug/kg	4.2	1		03/03/15 04:08	110-54-3	
2-Hexanone	ND	ug/kg	83.8	1		03/03/15 04:08	591-78-6	
Iodomethane	ND	ug/kg	83.8	1		03/03/15 04:08	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		03/03/15 04:08	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		03/03/15 04:08	99-87-6	
Methylene Chloride	ND	ug/kg	16.8	1		03/03/15 04:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.9	1		03/03/15 04:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		03/03/15 04:08	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	103-65-1	
Styrene	ND	ug/kg	4.2	1		03/03/15 04:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		03/03/15 04:08	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-16 (6-8) Lab ID: 50113286020 Collected: 02/25/15 14:25 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.2	1		03/03/15 04:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		03/03/15 04:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		03/03/15 04:08	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		03/03/15 04:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.2	1		03/03/15 04:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		03/03/15 04:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		03/03/15 04:08	108-67-8	
Vinyl acetate	ND	ug/kg	83.8	1		03/03/15 04:08	108-05-4	
Vinyl chloride	ND	ug/kg	4.2	1		03/03/15 04:08	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	1		03/03/15 04:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	117	%	85-118	1		03/03/15 04:08	1868-53-7	
Toluene-d8 (S)	97	%	71-128	1		03/03/15 04:08	2037-26-5	
4-Bromofluorobenzene (S)	92	%	56-144	1		03/03/15 04:08	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.5	%	0.10	1		03/04/15 09:13		

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-17 (0-2) Lab ID: 50113286021 Collected: 02/25/15 14:45 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.3	mg/kg	1.2	1	02/28/15 09:50	03/03/15 03:02	7440-38-2	
Barium	49.9	mg/kg	1.2	1	02/28/15 09:50	03/03/15 03:02	7440-39-3	
Cadmium	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 03:02	7440-43-9	
Chromium	16.0	mg/kg	1.2	1	02/28/15 09:50	03/03/15 03:02	7440-47-3	
Lead	14.9	mg/kg	1.2	1	02/28/15 09:50	03/03/15 03:02	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/28/15 09:50	03/03/15 03:02	7782-49-2	
Silver	ND	mg/kg	0.58	1	02/28/15 09:50	03/03/15 03:02	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:06	03/05/15 12:09	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	8.3	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	208-96-8	
Anthracene	18.2	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	120-12-7	
Benzo(a)anthracene	52.0	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	56-55-3	
Benzo(a)pyrene	45.5	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	50-32-8	
Benzo(b)fluoranthene	49.1	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	205-99-2	
Benzo(g,h,i)perylene	32.2	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	191-24-2	
Benzo(k)fluoranthene	47.9	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	207-08-9	
Chrysene	62.5	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	218-01-9	
Dibenz(a,h)anthracene	14.2	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	53-70-3	
Fluoranthene	137	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	206-44-0	
Fluorene	6.8	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	86-73-7	
Indeno(1,2,3-cd)pyrene	26.7	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	193-39-5	
1-Methylnaphthalene	10	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	90-12-0	
2-Methylnaphthalene	10.3	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	91-57-6	
Naphthalene	7.0	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	91-20-3	
Phenanthrene	92.0	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	85-01-8	
Pyrene	114	ug/kg	6.1	1	03/11/15 08:17	03/11/15 20:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	62	%.	38-110	1	03/11/15 08:17	03/11/15 20:47	321-60-8	
p-Terphenyl-d14 (S)	67	%.	32-111	1	03/11/15 08:17	03/11/15 20:47	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	94.8	1		03/03/15 04:36	67-64-1	
Acrolein	ND	ug/kg	94.8	1		03/03/15 04:36	107-02-8	
Acrylonitrile	ND	ug/kg	94.8	1		03/03/15 04:36	107-13-1	
Benzene	ND	ug/kg	4.7	1		03/03/15 04:36	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		03/03/15 04:36	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		03/03/15 04:36	75-27-4	
Bromoform	ND	ug/kg	4.7	1		03/03/15 04:36	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		03/03/15 04:36	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.7	1		03/03/15 04:36	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-17 (0-2) Lab ID: 50113286021 Collected: 02/25/15 14:45 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	98-06-6	
Carbon disulfide	ND	ug/kg	9.5	1		03/03/15 04:36	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		03/03/15 04:36	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	75-00-3	
Chloroform	ND	ug/kg	4.7	1		03/03/15 04:36	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		03/03/15 04:36	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 04:36	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		03/03/15 04:36	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		03/03/15 04:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		03/03/15 04:36	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		03/03/15 04:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	94.8	1		03/03/15 04:36	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		03/03/15 04:36	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 04:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 04:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		03/03/15 04:36	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 04:36	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 04:36	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		03/03/15 04:36	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 04:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 04:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		03/03/15 04:36	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	100-41-4	
Ethyl methacrylate	ND	ug/kg	94.8	1		03/03/15 04:36	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		03/03/15 04:36	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		03/03/15 04:36	110-54-3	
2-Hexanone	ND	ug/kg	94.8	1		03/03/15 04:36	591-78-6	
Iodomethane	ND	ug/kg	94.8	1		03/03/15 04:36	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		03/03/15 04:36	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		03/03/15 04:36	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		03/03/15 04:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.7	1		03/03/15 04:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		03/03/15 04:36	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	103-65-1	
Styrene	ND	ug/kg	4.7	1		03/03/15 04:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		03/03/15 04:36	127-18-4	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-17 (0-2) Lab ID: 50113286021 Collected: 02/25/15 14:45 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.7	1		03/03/15 04:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		03/03/15 04:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		03/03/15 04:36	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		03/03/15 04:36	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		03/03/15 04:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		03/03/15 04:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		03/03/15 04:36	108-67-8	
Vinyl acetate	ND	ug/kg	94.8	1		03/03/15 04:36	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		03/03/15 04:36	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		03/03/15 04:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	126	%.	85-118	1		03/03/15 04:36	1868-53-7	S3
Toluene-d8 (S)	106	%.	71-128	1		03/03/15 04:36	2037-26-5	
4-Bromofluorobenzene (S)	78	%.	56-144	1		03/03/15 04:36	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	18.2	%	0.10	1		03/04/15 09:13
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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-17 (4-6) Lab ID: 50113286022 Collected: 02/25/15 14:55 Received: 02/26/15 10:15 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
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	4.4	mg/kg	1.2	1	02/27/15 11:10	03/02/15 23:38	7440-38-2	
Barium	47.5	mg/kg	1.2	1	02/27/15 11:10	03/02/15 23:38	7440-39-3	
Cadmium	ND	mg/kg	0.60	1	02/27/15 11:10	03/02/15 23:38	7440-43-9	CU
Chromium	15.8	mg/kg	1.2	1	02/27/15 11:10	03/02/15 23:38	7440-47-3	
Lead	16.6	mg/kg	1.2	1	02/27/15 11:10	03/02/15 23:38	7439-92-1	
Selenium	ND	mg/kg	1.2	1	02/27/15 11:10	03/02/15 23:38	7782-49-2	
Silver	ND	mg/kg	0.60	1	02/27/15 11:10	03/02/15 23:38	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.24	1	03/04/15 13:06	03/05/15 12:17	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	83-32-9	
Acenaphthylene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	208-96-8	
Anthracene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	120-12-7	
Benzo(a)anthracene	9.3	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	50-32-8	
Benzo(b)fluoranthene	15.1	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	207-08-9	
Chrysene	10.3	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	53-70-3	
Fluoranthene	7.0	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	206-44-0	
Fluorene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	193-39-5	
1-Methylnaphthalene	7.5	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	90-12-0	
2-Methylnaphthalene	8.8	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	91-57-6	
Naphthalene	10.6	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	91-20-3	
Phenanthrene	14.0	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	85-01-8	
Pyrene	ND	ug/kg	6.2	1	03/04/15 11:05	03/10/15 16:51	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	69	%.	38-110	1	03/04/15 11:05	03/10/15 16:51	321-60-8	
p-Terphenyl-d14 (S)	68	%.	32-111	1	03/04/15 11:05	03/10/15 16:51	1718-51-0	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	85.9	1		03/03/15 05:03	67-64-1	
Acrolein	ND	ug/kg	85.9	1		03/03/15 05:03	107-02-8	
Acrylonitrile	ND	ug/kg	85.9	1		03/03/15 05:03	107-13-1	
Benzene	ND	ug/kg	4.3	1		03/03/15 05:03	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		03/03/15 05:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		03/03/15 05:03	75-27-4	
Bromoform	ND	ug/kg	4.3	1		03/03/15 05:03	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		03/03/15 05:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.5	1		03/03/15 05:03	78-93-3	

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-17 (4-6) Lab ID: 50113286022 Collected: 02/25/15 14:55 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
n-Butylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	98-06-6	
Carbon disulfide	ND	ug/kg	8.6	1		03/03/15 05:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		03/03/15 05:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	75-00-3	
Chloroform	ND	ug/kg	4.3	1		03/03/15 05:03	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		03/03/15 05:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		03/03/15 05:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		03/03/15 05:03	106-43-4	
Dibromochloromethane	ND	ug/kg	4.3	1		03/03/15 05:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		03/03/15 05:03	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		03/03/15 05:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	85.9	1		03/03/15 05:03	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.3	1		03/03/15 05:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		03/03/15 05:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/03/15 05:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/03/15 05:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		03/03/15 05:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		03/03/15 05:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		03/03/15 05:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		03/03/15 05:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/03/15 05:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/03/15 05:03	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	100-41-4	
Ethyl methacrylate	ND	ug/kg	85.9	1		03/03/15 05:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		03/03/15 05:03	87-68-3	
n-Hexane	ND	ug/kg	4.3	1		03/03/15 05:03	110-54-3	
2-Hexanone	ND	ug/kg	85.9	1		03/03/15 05:03	591-78-6	
Iodomethane	ND	ug/kg	85.9	1		03/03/15 05:03	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		03/03/15 05:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		03/03/15 05:03	99-87-6	
Methylene Chloride	ND	ug/kg	17.2	1		03/03/15 05:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.5	1		03/03/15 05:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		03/03/15 05:03	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	103-65-1	
Styrene	ND	ug/kg	4.3	1		03/03/15 05:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	79-34-5	
Tetrachloroethene	10.5	ug/kg	4.3	1		03/03/15 05:03	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Sample: B-17 (4-6) Lab ID: 50113286022 Collected: 02/25/15 14:55 Received: 02/26/15 10:15 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
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Toluene	ND	ug/kg	4.3	1		03/03/15 05:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		03/03/15 05:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		03/03/15 05:03	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		03/03/15 05:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		03/03/15 05:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		03/03/15 05:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		03/03/15 05:03	108-67-8	
Vinyl acetate	ND	ug/kg	85.9	1		03/03/15 05:03	108-05-4	
Vinyl chloride	ND	ug/kg	4.3	1		03/03/15 05:03	75-01-4	
Xylene (Total)	ND	ug/kg	8.6	1		03/03/15 05:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	122	%.	85-118	1		03/03/15 05:03	1868-53-7	1d,S0
Toluene-d8 (S)	105	%.	71-128	1		03/03/15 05:03	2037-26-5	
4-Bromofluorobenzene (S)	79	%.	56-144	1		03/03/15 05:03	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.9	%	0.10	1		03/04/15 09:13		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: MERP/6136

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 50113286021, 50113286022

METHOD BLANK: 1246517

Matrix: Solid

Associated Lab Samples: 50113286021, 50113286022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	03/05/15 11:24	

LABORATORY CONTROL SAMPLE: 1246518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.61	121	80-120	L3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1246519 1246520

Parameter	Units	50113219013 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	.56	.61	0.70	0.76	122	121	75-125	8	20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch:	MERP/6138	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286010, 50113286011, 50113286012, 50113286013, 50113286014, 50113286015, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020		

METHOD BLANK: 1246525 Matrix: Solid

Associated Lab Samples: 50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286010, 50113286011, 50113286012, 50113286013, 50113286014, 50113286015, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.20	03/05/15 13:17	

LABORATORY CONTROL SAMPLE: 1246526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.61	122	80-120	L5

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1246527 1246528

Parameter	Units	50113286013 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	.62	.59	0.73	0.70	116	115	75-125	5	20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: MPRP/15432

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Associated Lab Samples: 50113286022

METHOD BLANK: 1244325

Matrix: Solid

Associated Lab Samples: 50113286022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/02/15 22:38	
Barium	mg/kg	ND	1.0	03/02/15 22:38	
Cadmium	mg/kg	ND	0.50	03/02/15 22:38	CU
Chromium	mg/kg	ND	1.0	03/02/15 22:38	
Lead	mg/kg	ND	1.0	03/02/15 22:38	
Selenium	mg/kg	ND	1.0	03/02/15 22:38	
Silver	mg/kg	ND	0.50	03/02/15 22:38	

LABORATORY CONTROL SAMPLE: 1244326

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	55.2	110	80-120	
Barium	mg/kg	50	53.2	106	80-120	
Cadmium	mg/kg	50	57.2	114	80-120	CH
Chromium	mg/kg	50	53.4	107	80-120	
Lead	mg/kg	50	54.9	110	80-120	
Selenium	mg/kg	50	57.0	114	80-120	
Silver	mg/kg	25	26.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1244327

1244328

Parameter	Units	50113313001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.3	60.8	58.8	68.2	66.7	104	105	75-125	2	20	
Barium	mg/kg	66.5	60.8	58.8	135	140	113	126	75-125	4	20	M0
Cadmium	mg/kg	ND	60.8	58.8	66.4	64.8	109	110	75-125	2	20	CH
Chromium	mg/kg	13.3	60.8	58.8	73.0	69.9	98	96	75-125	4	20	
Lead	mg/kg	10.2	60.8	58.8	64.3	62.9	89	90	75-125	2	20	
Selenium	mg/kg	ND	60.8	58.8	62.6	60.6	103	103	75-125	3	20	
Silver	mg/kg	ND	30.4	29.4	28.4	27.4	94	93	75-125	4	20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch:	MPRP/15433	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286010, 50113286011, 50113286012, 50113286013, 50113286014, 50113286015, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020, 50113286021		

METHOD BLANK: 1244401

Matrix: Solid

Associated Lab Samples: 50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286010, 50113286011, 50113286012, 50113286013, 50113286014, 50113286015, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020, 50113286021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/03/15 01:56	
Barium	mg/kg	ND	1.0	03/03/15 01:56	
Cadmium	mg/kg	ND	0.50	03/03/15 01:56	
Chromium	mg/kg	ND	1.0	03/03/15 01:56	
Lead	mg/kg	ND	1.0	03/03/15 01:56	
Selenium	mg/kg	ND	1.0	03/03/15 01:56	
Silver	mg/kg	ND	0.50	03/03/15 01:56	

LABORATORY CONTROL SAMPLE: 1244402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.4	105	80-120	
Barium	mg/kg	50	51.2	102	80-120	
Cadmium	mg/kg	50	52.2	104	80-120	
Chromium	mg/kg	50	51.7	103	80-120	
Lead	mg/kg	50	49.6	99	80-120	
Selenium	mg/kg	50	51.1	102	80-120	
Silver	mg/kg	25	25.2	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1244403

1244404

Parameter	Units	50113286013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.9	52.9	57.1	56.0	59.9	95	94	75-125	7	20	
Barium	mg/kg	72.6	52.9	57.1	133	144	114	124	75-125	8	20	
Cadmium	mg/kg	ND	52.9	57.1	50.4	54.5	95	96	75-125	8	20	
Chromium	mg/kg	14.4	52.9	57.1	65.6	68.1	97	94	75-125	4	20	
Lead	mg/kg	8.3	52.9	57.1	54.7	62.4	88	95	75-125	13	20	
Selenium	mg/kg	ND	52.9	57.1	46.6	50.4	88	88	75-125	8	20	
Silver	mg/kg	ND	26.4	28.5	23.3	24.9	88	87	75-125	6	20	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch:	MSV/74041	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	50113286001, 50113286002, 50113286003, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286013		

METHOD BLANK:	1245446	Matrix:	Solid
Associated Lab Samples:	50113286001, 50113286002, 50113286003, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286013		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/02/15 13:58	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/02/15 13:58	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/02/15 13:58	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/02/15 13:58	
1,1-Dichloroethane	ug/kg	ND	5.0	03/02/15 13:58	
1,1-Dichloroethene	ug/kg	ND	5.0	03/02/15 13:58	
1,1-Dichloropropene	ug/kg	ND	5.0	03/02/15 13:58	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/02/15 13:58	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/02/15 13:58	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/02/15 13:58	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/02/15 13:58	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 13:58	
1,2-Dichloroethane	ug/kg	ND	5.0	03/02/15 13:58	
1,2-Dichloropropane	ug/kg	ND	5.0	03/02/15 13:58	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 13:58	
1,3-Dichloropropane	ug/kg	ND	5.0	03/02/15 13:58	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/02/15 13:58	
2,2-Dichloropropane	ug/kg	ND	5.0	03/02/15 13:58	
2-Butanone (MEK)	ug/kg	ND	25.0	03/02/15 13:58	
2-Chlorotoluene	ug/kg	ND	5.0	03/02/15 13:58	
2-Hexanone	ug/kg	ND	100	03/02/15 13:58	
4-Chlorotoluene	ug/kg	ND	5.0	03/02/15 13:58	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/02/15 13:58	
Acetone	ug/kg	ND	100	03/02/15 13:58	
Acrolein	ug/kg	ND	100	03/02/15 13:58	
Acrylonitrile	ug/kg	ND	100	03/02/15 13:58	
Benzene	ug/kg	ND	5.0	03/02/15 13:58	
Bromobenzene	ug/kg	ND	5.0	03/02/15 13:58	
Bromochloromethane	ug/kg	ND	5.0	03/02/15 13:58	
Bromodichloromethane	ug/kg	ND	5.0	03/02/15 13:58	
Bromoform	ug/kg	ND	5.0	03/02/15 13:58	
Bromomethane	ug/kg	ND	5.0	03/02/15 13:58	
Carbon disulfide	ug/kg	ND	10.0	03/02/15 13:58	
Carbon tetrachloride	ug/kg	ND	5.0	03/02/15 13:58	
Chlorobenzene	ug/kg	ND	5.0	03/02/15 13:58	
Chloroethane	ug/kg	ND	5.0	03/02/15 13:58	
Chloroform	ug/kg	ND	5.0	03/02/15 13:58	
Chloromethane	ug/kg	ND	5.0	03/02/15 13:58	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

METHOD BLANK: 1245446

Matrix: Solid

Associated Lab Samples: 50113286001, 50113286002, 50113286003, 50113286004, 50113286005, 50113286006, 50113286007, 50113286008, 50113286009, 50113286013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/02/15 13:58	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/02/15 13:58	
Dibromochloromethane	ug/kg	ND	5.0	03/02/15 13:58	
Dibromomethane	ug/kg	ND	5.0	03/02/15 13:58	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/02/15 13:58	
Ethyl methacrylate	ug/kg	ND	100	03/02/15 13:58	
Ethylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/02/15 13:58	
Iodomethane	ug/kg	ND	100	03/02/15 13:58	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/02/15 13:58	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/02/15 13:58	
Methylene Chloride	ug/kg	ND	20.0	03/02/15 13:58	
n-Butylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
n-Hexane	ug/kg	ND	5.0	03/02/15 13:58	
n-Propylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
p-Isopropyltoluene	ug/kg	ND	5.0	03/02/15 13:58	
sec-Butylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
Styrene	ug/kg	ND	5.0	03/02/15 13:58	
tert-Butylbenzene	ug/kg	ND	5.0	03/02/15 13:58	
Tetrachloroethene	ug/kg	ND	5.0	03/02/15 13:58	
Toluene	ug/kg	ND	5.0	03/02/15 13:58	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/02/15 13:58	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/02/15 13:58	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/02/15 13:58	
Trichloroethene	ug/kg	ND	5.0	03/02/15 13:58	
Trichlorofluoromethane	ug/kg	ND	5.0	03/02/15 13:58	
Vinyl acetate	ug/kg	ND	100	03/02/15 13:58	
Vinyl chloride	ug/kg	ND	5.0	03/02/15 13:58	
Xylene (Total)	ug/kg	ND	10.0	03/02/15 13:58	
4-Bromofluorobenzene (S)	%.	98	56-144	03/02/15 13:58	
Dibromofluoromethane (S)	%.	113	85-118	03/02/15 13:58	
Toluene-d8 (S)	%.	96	71-128	03/02/15 13:58	

LABORATORY CONTROL SAMPLE: 1245447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	50.9	102	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	48.8	98	65-124	
1,1-Dichloroethene	ug/kg	50	46.2	92	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	50.3	101	67-126	
1,2-Dichloropropane	ug/kg	50	47.6	95	75-118	
Benzene	ug/kg	50	46.3	93	74-119	
Chlorobenzene	ug/kg	50	44.7	89	77-122	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1245447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/kg	50	49.5	99	75-124	
Ethylbenzene	ug/kg	50	45.8	92	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	47.7	95	65-123	
Methyl-tert-butyl ether	ug/kg	100	106	106	68-120	
Tetrachloroethene	ug/kg	50	42.5	85	72-126	
Toluene	ug/kg	50	47.5	95	71-121	
Trichloroethene	ug/kg	50	46.3	93	74-123	
Vinyl chloride	ug/kg	50	47.5	95	55-128	
Xylene (Total)	ug/kg	150	130	87	66-124	
4-Bromofluorobenzene (S)	%.			98	56-144	
Dibromofluoromethane (S)	%.			102	85-118	
Toluene-d8 (S)	%.			105	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245448 1245449

Parameter	Units	50113286013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	40.9	39.3	44.7	37.1	109	95	26-143	19	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	40.9	39.3	40.2	36.8	98	94	10-156	9	20	
1,1-Dichloroethene	ug/kg	ND	40.9	39.3	40.3	34.6	98	88	31-146	15	20	
1,2,4-Trimethylbenzene	ug/kg	ND	40.9	39.3	41.1	34.6	100	88	10-139	17	20	
1,2-Dichloropropane	ug/kg	ND	40.9	39.3	40.7	34.3	99	87	29-135	17	20	
Benzene	ug/kg	ND	40.9	39.3	40.4	33.6	99	86	27-140	18	20	
Chlorobenzene	ug/kg	ND	40.9	39.3	36.1	29.6	88	75	10-136	20	20	
Chloroform	ug/kg	ND	40.9	39.3	44.1	36.6	108	93	36-138	19	20	
Ethylbenzene	ug/kg	ND	40.9	39.3	39.4	32.3	96	82	10-144	20	20	
Isopropylbenzene (Cumene)	ug/kg	ND	40.9	39.3	40.7	33.2	99	85	10-134	20	20	
Methyl-tert-butyl ether	ug/kg	ND	82	78.5	79.1	72.1	97	92	30-147	9	20	
Tetrachloroethene	ug/kg	ND	40.9	39.3	37.5	30.7	91	78	10-153	20	20	
Toluene	ug/kg	ND	40.9	39.3	40.8	34.0	99	86	10-140	18	20	
Trichloroethene	ug/kg	ND	40.9	39.3	39.4	32.2	96	82	17-148	20	20	
Vinyl chloride	ug/kg	ND	40.9	39.3	41.2	35.0	101	89	30-145	16	20	
Xylene (Total)	ug/kg	ND	123	118	109	88.2	89	75	10-143	21	20	R1,RS
4-Bromofluorobenzene (S)	%.						96	92	56-144			
Dibromofluoromethane (S)	%.						106	105	85-118			
Toluene-d8 (S)	%.						106	107	71-128			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch:	MSV/74043	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	50113286010, 50113286011, 50113286012, 50113286014, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020, 50113286021, 50113286022		

METHOD BLANK: 1245469 Matrix: Solid

Associated Lab Samples: 50113286010, 50113286011, 50113286012, 50113286014, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020, 50113286021, 50113286022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/15 00:01	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/03/15 00:01	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/15 00:01	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/03/15 00:01	
1,1-Dichloroethane	ug/kg	ND	5.0	03/03/15 00:01	
1,1-Dichloroethene	ug/kg	ND	5.0	03/03/15 00:01	
1,1-Dichloropropene	ug/kg	ND	5.0	03/03/15 00:01	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/03/15 00:01	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/03/15 00:01	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/03/15 00:01	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/03/15 00:01	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/03/15 00:01	
1,2-Dichloroethane	ug/kg	ND	5.0	03/03/15 00:01	
1,2-Dichloropropane	ug/kg	ND	5.0	03/03/15 00:01	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/03/15 00:01	
1,3-Dichloropropane	ug/kg	ND	5.0	03/03/15 00:01	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/03/15 00:01	
2,2-Dichloropropane	ug/kg	ND	5.0	03/03/15 00:01	
2-Butanone (MEK)	ug/kg	ND	25.0	03/03/15 00:01	
2-Chlorotoluene	ug/kg	ND	5.0	03/03/15 00:01	
2-Hexanone	ug/kg	ND	100	03/03/15 00:01	
4-Chlorotoluene	ug/kg	ND	5.0	03/03/15 00:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/03/15 00:01	
Acetone	ug/kg	ND	100	03/03/15 00:01	
Acrolein	ug/kg	ND	100	03/03/15 00:01	
Acrylonitrile	ug/kg	ND	100	03/03/15 00:01	
Benzene	ug/kg	ND	5.0	03/03/15 00:01	
Bromobenzene	ug/kg	ND	5.0	03/03/15 00:01	
Bromochloromethane	ug/kg	ND	5.0	03/03/15 00:01	
Bromodichloromethane	ug/kg	ND	5.0	03/03/15 00:01	
Bromoform	ug/kg	ND	5.0	03/03/15 00:01	
Bromomethane	ug/kg	ND	5.0	03/03/15 00:01	
Carbon disulfide	ug/kg	ND	10.0	03/03/15 00:01	
Carbon tetrachloride	ug/kg	ND	5.0	03/03/15 00:01	
Chlorobenzene	ug/kg	ND	5.0	03/03/15 00:01	
Chloroethane	ug/kg	ND	5.0	03/03/15 00:01	
Chloroform	ug/kg	ND	5.0	03/03/15 00:01	
Chloromethane	ug/kg	ND	5.0	03/03/15 00:01	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

METHOD BLANK: 1245469

Matrix: Solid

Associated Lab Samples: 50113286010, 50113286011, 50113286012, 50113286014, 50113286016, 50113286017, 50113286018, 50113286019, 50113286020, 50113286021, 50113286022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/15 00:01	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/15 00:01	
Dibromochloromethane	ug/kg	ND	5.0	03/03/15 00:01	
Dibromomethane	ug/kg	ND	5.0	03/03/15 00:01	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/03/15 00:01	
Ethyl methacrylate	ug/kg	ND	100	03/03/15 00:01	
Ethylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/03/15 00:01	
Iodomethane	ug/kg	ND	100	03/03/15 00:01	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/03/15 00:01	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/03/15 00:01	
Methylene Chloride	ug/kg	ND	20.0	03/03/15 00:01	
n-Butylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
n-Hexane	ug/kg	ND	5.0	03/03/15 00:01	
n-Propylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
p-Isopropyltoluene	ug/kg	ND	5.0	03/03/15 00:01	
sec-Butylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
Styrene	ug/kg	ND	5.0	03/03/15 00:01	
tert-Butylbenzene	ug/kg	ND	5.0	03/03/15 00:01	
Tetrachloroethene	ug/kg	ND	5.0	03/03/15 00:01	
Toluene	ug/kg	ND	5.0	03/03/15 00:01	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/15 00:01	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/15 00:01	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/03/15 00:01	
Trichloroethene	ug/kg	ND	5.0	03/03/15 00:01	
Trichlorofluoromethane	ug/kg	ND	5.0	03/03/15 00:01	
Vinyl acetate	ug/kg	ND	100	03/03/15 00:01	
Vinyl chloride	ug/kg	ND	5.0	03/03/15 00:01	
Xylene (Total)	ug/kg	ND	10.0	03/03/15 00:01	
4-Bromofluorobenzene (S)	%.	96	56-144	03/03/15 00:01	
Dibromofluoromethane (S)	%.	111	85-118	03/03/15 00:01	
Toluene-d8 (S)	%.	98	71-128	03/03/15 00:01	

LABORATORY CONTROL SAMPLE: 1245470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	49.9	100	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	47.2	94	65-124	
1,1-Dichloroethene	ug/kg	50	46.6	93	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	44.1	88	67-126	
1,2-Dichloropropane	ug/kg	50	47.1	94	75-118	
Benzene	ug/kg	50	45.8	92	74-119	
Chlorobenzene	ug/kg	50	41.8	84	77-122	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1245470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/kg	50	49.6	99	75-124	
Ethylbenzene	ug/kg	50	42.8	86	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	43.5	87	65-123	
Methyl-tert-butyl ether	ug/kg	100	91.2	91	68-120	
Tetrachloroethene	ug/kg	50	38.9	78	72-126	
Toluene	ug/kg	50	45.7	91	71-121	
Trichloroethene	ug/kg	50	45.0	90	74-123	
Vinyl chloride	ug/kg	50	47.7	95	55-128	
Xylene (Total)	ug/kg	150	118	79	66-124	
4-Bromofluorobenzene (S)	%.			96	56-144	
Dibromofluoromethane (S)	%.			102	85-118	
Toluene-d8 (S)	%.			103	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1245471 1245472

Parameter	Units	50113381001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	65.3	54.1	47.6	55.1	73	102	26-143	15	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	65.3	54.1	57.4	49.0	88	91	10-156	16	20	
1,1-Dichloroethene	ug/kg	ND	65.3	54.1	39.8	52.2	61	96	31-146	27	20	R1
1,2,4-Trimethylbenzene	ug/kg	ND	65.3	54.1	49.9	51.9	76	96	10-139	4	20	
1,2-Dichloropropane	ug/kg	ND	65.3	54.1	51.8	50.8	79	94	29-135	2	20	
Benzene	ug/kg	ND	65.3	54.1	46.9	49.9	72	92	27-140	6	20	
Chlorobenzene	ug/kg	ND	65.3	54.1	46.9	47.2	72	87	10-136	1	20	
Chloroform	ug/kg	ND	65.3	54.1	54.1	55.3	83	102	36-138	2	20	
Ethylbenzene	ug/kg	ND	65.3	54.1	46.3	49.8	71	92	10-144	7	20	
Isopropylbenzene (Cumene)	ug/kg	ND	65.3	54.1	45.9	50.5	70	93	10-134	9	20	
Methyl-tert-butyl ether	ug/kg	ND	131	108	106	103	81	95	30-147	4	20	
Tetrachloroethene	ug/kg	ND	65.3	54.1	41.8	46.6	64	86	10-153	11	20	
Toluene	ug/kg	ND	65.3	54.1	47.7	50.8	73	94	10-140	6	20	
Trichloroethene	ug/kg	ND	65.3	54.1	44.9	51.3	69	95	17-148	13	20	
Vinyl chloride	ug/kg	ND	65.3	54.1	36.8	51.8	56	96	30-145	34	20	R1
Xylene (Total)	ug/kg	ND	196	162	130	136	66	84	10-143	5	20	
4-Bromofluorobenzene (S)	%.						98	95	56-144			
Dibromofluoromethane (S)	%.						105	102	85-118			
Toluene-d8 (S)	%.						104	103	71-128			

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: MSV/74067

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 50113286015

METHOD BLANK: 1246007

Matrix: Solid

Associated Lab Samples: 50113286015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/15 13:04	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/03/15 13:04	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/03/15 13:04	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/03/15 13:04	
1,1-Dichloroethane	ug/kg	ND	5.0	03/03/15 13:04	
1,1-Dichloroethene	ug/kg	ND	5.0	03/03/15 13:04	
1,1-Dichloropropene	ug/kg	ND	5.0	03/03/15 13:04	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/03/15 13:04	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/03/15 13:04	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/03/15 13:04	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/03/15 13:04	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/03/15 13:04	
1,2-Dichloroethane	ug/kg	ND	5.0	03/03/15 13:04	
1,2-Dichloropropane	ug/kg	ND	5.0	03/03/15 13:04	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/03/15 13:04	
1,3-Dichloropropane	ug/kg	ND	5.0	03/03/15 13:04	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/03/15 13:04	
2,2-Dichloropropane	ug/kg	ND	5.0	03/03/15 13:04	
2-Butanone (MEK)	ug/kg	ND	25.0	03/03/15 13:04	
2-Chlorotoluene	ug/kg	ND	5.0	03/03/15 13:04	
2-Hexanone	ug/kg	ND	100	03/03/15 13:04	
4-Chlorotoluene	ug/kg	ND	5.0	03/03/15 13:04	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/03/15 13:04	
Acetone	ug/kg	ND	100	03/03/15 13:04	
Acrolein	ug/kg	ND	100	03/03/15 13:04	
Acrylonitrile	ug/kg	ND	100	03/03/15 13:04	
Benzene	ug/kg	ND	5.0	03/03/15 13:04	
Bromobenzene	ug/kg	ND	5.0	03/03/15 13:04	
Bromochloromethane	ug/kg	ND	5.0	03/03/15 13:04	
Bromodichloromethane	ug/kg	ND	5.0	03/03/15 13:04	
Bromoform	ug/kg	ND	5.0	03/03/15 13:04	
Bromomethane	ug/kg	ND	5.0	03/03/15 13:04	
Carbon disulfide	ug/kg	ND	10.0	03/03/15 13:04	
Carbon tetrachloride	ug/kg	ND	5.0	03/03/15 13:04	
Chlorobenzene	ug/kg	ND	5.0	03/03/15 13:04	
Chloroethane	ug/kg	ND	5.0	03/03/15 13:04	
Chloroform	ug/kg	ND	5.0	03/03/15 13:04	
Chloromethane	ug/kg	ND	5.0	03/03/15 13:04	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/15 13:04	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

METHOD BLANK: 1246007

Matrix: Solid

Associated Lab Samples: 50113286015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/15 13:04	
Dibromochloromethane	ug/kg	ND	5.0	03/03/15 13:04	
Dibromomethane	ug/kg	ND	5.0	03/03/15 13:04	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/03/15 13:04	
Ethyl methacrylate	ug/kg	ND	100	03/03/15 13:04	
Ethylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/03/15 13:04	
Iodomethane	ug/kg	ND	100	03/03/15 13:04	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/03/15 13:04	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/03/15 13:04	
Methylene Chloride	ug/kg	ND	20.0	03/03/15 13:04	
n-Butylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
n-Hexane	ug/kg	ND	5.0	03/03/15 13:04	
n-Propylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
p-Isopropyltoluene	ug/kg	ND	5.0	03/03/15 13:04	
sec-Butylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
Styrene	ug/kg	ND	5.0	03/03/15 13:04	
tert-Butylbenzene	ug/kg	ND	5.0	03/03/15 13:04	
Tetrachloroethene	ug/kg	ND	5.0	03/03/15 13:04	
Toluene	ug/kg	ND	5.0	03/03/15 13:04	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/03/15 13:04	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/03/15 13:04	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/03/15 13:04	
Trichloroethene	ug/kg	ND	5.0	03/03/15 13:04	
Trichlorofluoromethane	ug/kg	ND	5.0	03/03/15 13:04	
Vinyl acetate	ug/kg	ND	100	03/03/15 13:04	
Vinyl chloride	ug/kg	ND	5.0	03/03/15 13:04	
Xylene (Total)	ug/kg	ND	10.0	03/03/15 13:04	
4-Bromofluorobenzene (S)	%	97	56-144	03/03/15 13:04	
Dibromofluoromethane (S)	%	112	85-118	03/03/15 13:04	
Toluene-d8 (S)	%	94	71-128	03/03/15 13:04	

LABORATORY CONTROL SAMPLE: 1246008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	48.8	98	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	47.8	96	65-124	
1,1-Dichloroethene	ug/kg	50	46.4	93	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	48.3	97	67-126	
1,2-Dichloropropane	ug/kg	50	46.2	92	75-118	
Benzene	ug/kg	50	44.8	90	74-119	
Chlorobenzene	ug/kg	50	43.3	87	77-122	
Chloroform	ug/kg	50	48.8	98	75-124	
Ethylbenzene	ug/kg	50	43.6	87	72-123	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1246008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/kg	50	45.3	91	65-123	
Methyl-tert-butyl ether	ug/kg	100	93.0	93	68-120	
Tetrachloroethene	ug/kg	50	40.5	81	72-126	
Toluene	ug/kg	50	45.3	91	71-121	
Trichloroethene	ug/kg	50	45.1	90	74-123	
Vinyl chloride	ug/kg	50	45.4	91	55-128	
Xylene (Total)	ug/kg	150	123	82	66-124	
4-Bromofluorobenzene (S)	%			98	56-144	
Dibromofluoromethane (S)	%			102	85-118	
Toluene-d8 (S)	%			103	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1246009 1246010

Parameter	Units	50113414016		MS	MSD	MS		MSD	MS		MSD	% Rec		Max	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Limit	RPD	RPD	
1,1,1-Trichloroethane	ug/kg	ND	37.4	37.9	34.1	41.3	91	109	26-143	19	20				
1,1,2,2-Tetrachloroethane	ug/kg	ND	37.4	37.9	35.3	37.7	94	99	10-156	7	20				
1,1-Dichloroethene	ug/kg	ND	37.4	37.9	33.2	40.9	89	108	31-146	21	20				R1
1,2,4-Trimethylbenzene	ug/kg	ND	37.4	37.9	36.1	41.4	96	109	10-139	14	20				
1,2-Dichloropropane	ug/kg	ND	37.4	37.9	32.8	37.7	88	100	29-135	14	20				
Benzene	ug/kg	ND	37.4	37.9	31.6	37.0	84	98	27-140	16	20				
Chlorobenzene	ug/kg	ND	37.4	37.9	30.4	35.5	81	94	10-136	15	20				
Chloroform	ug/kg	ND	37.4	37.9	34.1	40.0	91	105	36-138	16	20				
Ethylbenzene	ug/kg	ND	37.4	37.9	31.8	38.0	84	100	10-144	18	20				
Isopropylbenzene (Cumene)	ug/kg	ND	37.4	37.9	32.2	39.2	86	104	10-134	20	20				
Methyl-tert-butyl ether	ug/kg	ND	74.9	75.8	74.8	78.9	100	104	30-147	5	20				
Tetrachloroethene	ug/kg	ND	37.4	37.9	29.6	36.1	79	95	10-153	20	20				
Toluene	ug/kg	ND	37.4	37.9	33.2	39.1	88	102	10-140	16	20				
Trichloroethene	ug/kg	ND	37.4	37.9	31.8	38.1	85	101	17-148	18	20				
Vinyl chloride	ug/kg	ND	37.4	37.9	31.8	40.0	85	106	30-145	23	20				R1
Xylene (Total)	ug/kg	ND	112	114	86.6	104	77	91	10-143	18	20				
4-Bromofluorobenzene (S)	%						92	93	56-144						
Dibromofluoromethane (S)	%						100	101	85-118						
Toluene-d8 (S)	%						106	106	71-128						

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch:	OEXT/38539	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV PAH by SIM
Associated Lab Samples:	50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286008, 50113286009, 50113286010		

METHOD BLANK:	1246397	Matrix:	Solid
Associated Lab Samples:	50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286008, 50113286009, 50113286010		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/05/15 05:10	
2-Methylnaphthalene	ug/kg	ND	5.0	03/05/15 05:10	
Acenaphthene	ug/kg	ND	5.0	03/05/15 05:10	
Acenaphthylene	ug/kg	ND	5.0	03/05/15 05:10	
Anthracene	ug/kg	ND	5.0	03/05/15 05:10	
Benzo(a)anthracene	ug/kg	ND	5.0	03/05/15 05:10	
Benzo(a)pyrene	ug/kg	ND	5.0	03/05/15 05:10	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/05/15 05:10	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/05/15 05:10	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/05/15 05:10	
Chrysene	ug/kg	ND	5.0	03/05/15 05:10	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/05/15 05:10	
Fluoranthene	ug/kg	ND	5.0	03/05/15 05:10	
Fluorene	ug/kg	ND	5.0	03/05/15 05:10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/05/15 05:10	
Naphthalene	ug/kg	ND	5.0	03/05/15 05:10	
Phenanthrene	ug/kg	ND	5.0	03/05/15 05:10	
Pyrene	ug/kg	ND	5.0	03/05/15 05:10	
2-Fluorobiphenyl (S)	%	94	38-110	03/05/15 05:10	
p-Terphenyl-d14 (S)	%	105	32-111	03/05/15 05:10	

LABORATORY CONTROL SAMPLE: 1246398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	304	91	40-102	
2-Methylnaphthalene	ug/kg	333	291	87	39-104	
Acenaphthene	ug/kg	333	306	92	43-108	
Acenaphthylene	ug/kg	333	309	93	44-110	
Anthracene	ug/kg	333	317	95	44-112	
Benzo(a)anthracene	ug/kg	333	315	95	43-124	
Benzo(a)pyrene	ug/kg	333	326	98	44-124	
Benzo(b)fluoranthene	ug/kg	333	354	106	44-123	
Benzo(g,h,i)perylene	ug/kg	333	311	93	44-118	
Benzo(k)fluoranthene	ug/kg	333	304	91	42-122	
Chrysene	ug/kg	333	342	103	44-124	
Dibenz(a,h)anthracene	ug/kg	333	308	92	44-119	
Fluoranthene	ug/kg	333	300	90	45-119	
Fluorene	ug/kg	333	316	95	44-113	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1246398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	306	92	44-119	
Naphthalene	ug/kg	333	277	83	42-103	
Phenanthrene	ug/kg	333	308	92	44-113	
Pyrene	ug/kg	333	330	99	45-123	
2-Fluorobiphenyl (S)	%.			93	38-110	
p-Terphenyl-d14 (S)	%.			100	32-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1246399 1246400

Parameter	Units	50113476007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	406	409	338	324	83	79	20-116	4	20
2-Methylnaphthalene	ug/kg	ND	406	409	338	315	83	77	10-131	7	20
Acenaphthene	ug/kg	ND	406	409	336	308	83	75	25-117	9	20
Acenaphthylene	ug/kg	ND	406	409	340	322	84	79	27-123	5	20
Anthracene	ug/kg	ND	406	409	317	313	78	77	20-123	1	20
Benzo(a)anthracene	ug/kg	ND	406	409	291	288	72	70	23-124	1	20
Benzo(a)pyrene	ug/kg	ND	406	409	291	297	72	73	23-120	2	20
Benzo(b)fluoranthene	ug/kg	ND	406	409	285	302	70	74	24-117	6	20
Benzo(g,h,i)perylene	ug/kg	ND	406	409	275	286	68	70	12-122	4	20
Benzo(k)fluoranthene	ug/kg	ND	406	409	308	306	76	75	14-123	1	20
Chrysene	ug/kg	ND	406	409	318	324	78	79	22-124	2	20
Dibenz(a,h)anthracene	ug/kg	ND	406	409	289	283	71	69	26-113	2	20
Fluoranthene	ug/kg	ND	406	409	290	286	71	70	21-125	1	20
Fluorene	ug/kg	ND	406	409	343	317	84	78	19-127	8	20
Indeno(1,2,3-cd)pyrene	ug/kg	ND	406	409	269	265	66	65	15-121	2	20
Naphthalene	ug/kg	ND	406	409	329	320	81	78	15-125	3	20
Phenanthrene	ug/kg	ND	406	409	320	308	79	75	10-139	4	20
Pyrene	ug/kg	ND	406	409	319	307	78	75	17-132	4	20
2-Fluorobiphenyl (S)	%.						103	74	38-110		
p-Terphenyl-d14 (S)	%.						95	83	32-111		

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: OEXT/38540 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 50113286011, 50113286012, 50113286013, 50113286014, 50113286017, 50113286018, 50113286020, 50113286022

METHOD BLANK: 1246401 Matrix: Solid
Associated Lab Samples: 50113286011, 50113286012, 50113286013, 50113286014, 50113286017, 50113286018, 50113286020, 50113286022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/10/15 05:53	
2-Methylnaphthalene	ug/kg	ND	5.0	03/10/15 05:53	
Acenaphthene	ug/kg	ND	5.0	03/10/15 05:53	
Acenaphthylene	ug/kg	ND	5.0	03/10/15 05:53	
Anthracene	ug/kg	ND	5.0	03/10/15 05:53	
Benzo(a)anthracene	ug/kg	ND	5.0	03/10/15 05:53	
Benzo(a)pyrene	ug/kg	ND	5.0	03/10/15 05:53	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/10/15 05:53	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/10/15 05:53	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/10/15 05:53	
Chrysene	ug/kg	ND	5.0	03/10/15 05:53	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/10/15 05:53	
Fluoranthene	ug/kg	ND	5.0	03/10/15 05:53	
Fluorene	ug/kg	ND	5.0	03/10/15 05:53	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/10/15 05:53	
Naphthalene	ug/kg	ND	5.0	03/10/15 05:53	
Phenanthrene	ug/kg	ND	5.0	03/10/15 05:53	
Pyrene	ug/kg	ND	5.0	03/10/15 05:53	
2-Fluorobiphenyl (S)	%	85	38-110	03/10/15 05:53	
p-Terphenyl-d14 (S)	%	98	32-111	03/10/15 05:53	

LABORATORY CONTROL SAMPLE: 1246402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	326	98	40-102	
2-Methylnaphthalene	ug/kg	333	318	95	39-104	
Acenaphthene	ug/kg	333	307	92	43-108	
Acenaphthylene	ug/kg	333	301	90	44-110	
Anthracene	ug/kg	333	303	91	44-112	
Benzo(a)anthracene	ug/kg	333	317	95	43-124	
Benzo(a)pyrene	ug/kg	333	334	100	44-124	
Benzo(b)fluoranthene	ug/kg	333	379	114	44-123	
Benzo(g,h,i)perylene	ug/kg	333	328	98	44-118	
Benzo(k)fluoranthene	ug/kg	333	341	102	42-122	
Chrysene	ug/kg	333	337	101	44-124	
Dibenz(a,h)anthracene	ug/kg	333	326	98	44-119	
Fluoranthene	ug/kg	333	306	92	45-119	
Fluorene	ug/kg	333	325	97	44-113	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1246402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	322	96	44-119	
Naphthalene	ug/kg	333	288	86	42-103	
Phenanthrene	ug/kg	333	311	93	44-113	
Pyrene	ug/kg	333	333	100	45-123	
2-Fluorobiphenyl (S)	%			89	38-110	
p-Terphenyl-d14 (S)	%			98	32-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1246403 1246404

Parameter	Units	50113286013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	389	392	288	260	73	65	20-116	10	20
2-Methylnaphthalene	ug/kg	ND	389	392	284	262	72	66	10-131	8	20
Acenaphthene	ug/kg	ND	389	392	258	242	66	61	25-117	6	20
Acenaphthylene	ug/kg	ND	389	392	198	215	50	54	27-123	8	20
Anthracene	ug/kg	ND	389	392	202	213	51	54	20-123	5	20
Benzo(a)anthracene	ug/kg	ND	389	392	227	214	58	55	23-124	6	20
Benzo(a)pyrene	ug/kg	ND	389	392	210	205	53	52	23-120	2	20
Benzo(b)fluoranthene	ug/kg	ND	389	392	256	233	65	59	24-117	9	20
Benzo(g,h,i)perylene	ug/kg	ND	389	392	224	200	57	50	12-122	11	20
Benzo(k)fluoranthene	ug/kg	ND	389	392	233	209	60	53	14-123	11	20
Chrysene	ug/kg	ND	389	392	248	234	63	59	22-124	6	20
Dibenz(a,h)anthracene	ug/kg	ND	389	392	219	211	56	54	26-113	4	20
Fluoranthene	ug/kg	7.2	389	392	245	224	61	55	21-125	9	20
Fluorene	ug/kg	ND	389	392	264	246	67	62	19-127	7	20
Indeno(1,2,3-cd)pyrene	ug/kg	ND	389	392	213	203	54	51	15-121	5	20
Naphthalene	ug/kg	ND	389	392	276	252	71	64	15-125	9	20
Phenanthrene	ug/kg	19.8	389	392	271	256	65	60	10-139	6	20
Pyrene	ug/kg	6.8	389	392	263	245	66	61	17-132	7	20
2-Fluorobiphenyl (S)	%						66	62	38-110		
p-Terphenyl-d14 (S)	%						65	60	32-111		

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: OEXT/38594

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV PAH by SIM

Associated Lab Samples: 50113286007

METHOD BLANK: 1249050

Matrix: Solid

Associated Lab Samples: 50113286007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/10/15 04:23	
2-Methylnaphthalene	ug/kg	ND	5.0	03/10/15 04:23	
Acenaphthene	ug/kg	ND	5.0	03/10/15 04:23	
Acenaphthylene	ug/kg	ND	5.0	03/10/15 04:23	
Anthracene	ug/kg	ND	5.0	03/10/15 04:23	
Benzo(a)anthracene	ug/kg	ND	5.0	03/10/15 04:23	
Benzo(a)pyrene	ug/kg	ND	5.0	03/10/15 04:23	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/10/15 04:23	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/10/15 04:23	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/10/15 04:23	
Chrysene	ug/kg	ND	5.0	03/10/15 04:23	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/10/15 04:23	
Fluoranthene	ug/kg	ND	5.0	03/10/15 04:23	
Fluorene	ug/kg	ND	5.0	03/10/15 04:23	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/10/15 04:23	
Naphthalene	ug/kg	ND	5.0	03/10/15 04:23	
Phenanthrene	ug/kg	ND	5.0	03/10/15 04:23	
Pyrene	ug/kg	ND	5.0	03/10/15 04:23	
2-Fluorobiphenyl (S)	%	81	38-110	03/10/15 04:23	
p-Terphenyl-d14 (S)	%	108	32-111	03/10/15 04:23	

LABORATORY CONTROL SAMPLE: 1249051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	282	85	40-102	
2-Methylnaphthalene	ug/kg	333	281	84	39-104	
Acenaphthene	ug/kg	333	268	80	43-108	
Acenaphthylene	ug/kg	333	272	81	44-110	
Anthracene	ug/kg	333	306	92	44-112	
Benzo(a)anthracene	ug/kg	333	288	86	43-124	
Benzo(a)pyrene	ug/kg	333	310	93	44-124	
Benzo(b)fluoranthene	ug/kg	333	335	100	44-123	
Benzo(g,h,i)perylene	ug/kg	333	284	85	44-118	
Benzo(k)fluoranthene	ug/kg	333	300	90	42-122	
Chrysene	ug/kg	333	303	91	44-124	
Dibenz(a,h)anthracene	ug/kg	333	277	83	44-119	
Fluoranthene	ug/kg	333	298	89	45-119	
Fluorene	ug/kg	333	278	83	44-113	
Indeno(1,2,3-cd)pyrene	ug/kg	333	276	83	44-119	
Naphthalene	ug/kg	333	249	75	42-103	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1249051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	289	87	44-113	
Pyrene	ug/kg	333	301	90	45-123	
2-Fluorobiphenyl (S)	%.			73	38-110	
p-Terphenyl-d14 (S)	%.			84	32-111	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: OEXT/38626

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV PAH by SIM

Associated Lab Samples: 50113286015, 50113286016, 50113286019, 50113286021

METHOD BLANK: 1250783

Matrix: Solid

Associated Lab Samples: 50113286015, 50113286016, 50113286019, 50113286021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/11/15 21:05	
2-Methylnaphthalene	ug/kg	ND	5.0	03/11/15 21:05	
Acenaphthene	ug/kg	ND	5.0	03/11/15 21:05	
Acenaphthylene	ug/kg	ND	5.0	03/11/15 21:05	
Anthracene	ug/kg	ND	5.0	03/11/15 21:05	
Benzo(a)anthracene	ug/kg	ND	5.0	03/11/15 21:05	
Benzo(a)pyrene	ug/kg	ND	5.0	03/11/15 21:05	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/11/15 21:05	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/11/15 21:05	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/11/15 21:05	
Chrysene	ug/kg	ND	5.0	03/11/15 21:05	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/11/15 21:05	
Fluoranthene	ug/kg	ND	5.0	03/11/15 21:05	
Fluorene	ug/kg	ND	5.0	03/11/15 21:05	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/11/15 21:05	
Naphthalene	ug/kg	ND	5.0	03/11/15 21:05	
Phenanthrene	ug/kg	ND	5.0	03/11/15 21:05	
Pyrene	ug/kg	ND	5.0	03/11/15 21:05	
2-Fluorobiphenyl (S)	%	59	38-110	03/11/15 21:05	
p-Terphenyl-d14 (S)	%	60	32-111	03/11/15 21:05	

LABORATORY CONTROL SAMPLE: 1250784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	206	62	40-102	
2-Methylnaphthalene	ug/kg	333	203	61	39-104	
Acenaphthene	ug/kg	333	205	62	43-108	
Acenaphthylene	ug/kg	333	208	62	44-110	
Anthracene	ug/kg	333	223	67	44-112	
Benzo(a)anthracene	ug/kg	333	211	63	43-124	
Benzo(a)pyrene	ug/kg	333	229	69	44-124	
Benzo(b)fluoranthene	ug/kg	333	219	66	44-123	
Benzo(g,h,i)perylene	ug/kg	333	231	69	44-118	
Benzo(k)fluoranthene	ug/kg	333	228	68	42-122	
Chrysene	ug/kg	333	228	68	44-124	
Dibenz(a,h)anthracene	ug/kg	333	224	67	44-119	
Fluoranthene	ug/kg	333	214	64	45-119	
Fluorene	ug/kg	333	215	65	44-113	
Indeno(1,2,3-cd)pyrene	ug/kg	333	224	67	44-119	
Naphthalene	ug/kg	333	186	56	42-103	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

LABORATORY CONTROL SAMPLE: 1250784

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	218	65	44-113	
Pyrene	ug/kg	333	224	67	45-123	
2-Fluorobiphenyl (S)	%.			60	38-110	
p-Terphenyl-d14 (S)	%.			66	32-111	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: PMST/10387

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50113286001, 50113286002, 50113286004, 50113286005, 50113286006, 50113286007

SAMPLE DUPLICATE: 1244381

Parameter	Units	50113316001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.4	1	5	

SAMPLE DUPLICATE: 1244382

Parameter	Units	50113219013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.5	13.9	4	5	

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch:	PMST/10393	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	50113286008, 50113286009, 50113286010, 50113286011, 50113286012, 50113286013, 50113286014, 50113286015, 50113286016		

SAMPLE DUPLICATE: 1245209

Parameter	Units	50113424003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.7	19.8	6	5	R1

SAMPLE DUPLICATE: 1245210

Parameter	Units	50113286013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.5	13.0	18	5	R1

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QUALITY CONTROL DATA

Project: Former Jasper Power Plant

Pace Project No.: 50113286

QC Batch: PMST/10398

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 50113286017, 50113286018, 50113286019, 50113286020, 50113286021, 50113286022

SAMPLE DUPLICATE: 1246502

Parameter	Units	50113286017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	17.7	1	5	

SAMPLE DUPLICATE: 1246503

Parameter	Units	50113414005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.5	7.9	6	5	R1

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QUALIFIERS

Project: Former Jasper Power Plant

Pace Project No.: 50113286

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.

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.

ANALYTE QUALIFIERS

1d	Unable to confirm high surrogate. Second 1x terracore vial is broken. aa 3/3/15
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CU	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
L5	LCS recovery exceeded QC limits. Batch accepted based on matrix spike recovery within LCS limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
S0	Surrogate recovery outside laboratory control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50113286001	B-8 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286002	B-8 (12-14)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286004	B-9 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286005	B-9 (4-6)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286006	B-10 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286007	B-10 (4-6)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286008	B-11 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286009	B-11 (6-8)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286010	B-12 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286011	B-12 (8-10)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286012	Blind Duplicate 2	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286013	B-13 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286014	B-13 (4-6)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286015	B-14 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286016	B-14 (4-6)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286017	B-15 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286018	B-15 (2-4)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286019	B-16 (2-4)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286020	B-16 (6-8)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286021	B-17 (0-2)	EPA 3050	MPRP/15433	EPA 6010	ICP/18704
50113286022	B-17 (4-6)	EPA 3050	MPRP/15432	EPA 6010	ICP/18702
50113286001	B-8 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286002	B-8 (12-14)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286004	B-9 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286005	B-9 (4-6)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286006	B-10 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286007	B-10 (4-6)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286008	B-11 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286009	B-11 (6-8)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286010	B-12 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286011	B-12 (8-10)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286012	Blind Duplicate 2	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286013	B-13 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286014	B-13 (4-6)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286015	B-14 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286016	B-14 (4-6)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286017	B-15 (0-2)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286018	B-15 (2-4)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286019	B-16 (2-4)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286020	B-16 (6-8)	EPA 7471	MERP/6138	EPA 7471	MERC/6924
50113286021	B-17 (0-2)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113286022	B-17 (4-6)	EPA 7471	MERP/6136	EPA 7471	MERC/6922
50113286001	B-8 (0-2)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286002	B-8 (12-14)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286004	B-9 (0-2)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286005	B-9 (4-6)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286006	B-10 (0-2)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50113286007	B-10 (4-6)	EPA 3546	OEXT/38594	EPA 8270 by SIM	MSSV/17405
50113286008	B-11 (0-2)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286009	B-11 (6-8)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286010	B-12 (0-2)	EPA 3546	OEXT/38539	EPA 8270 by SIM	MSSV/17365
50113286011	B-12 (8-10)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286012	Blind Duplicate 2	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286013	B-13 (0-2)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286014	B-13 (4-6)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286015	B-14 (0-2)	EPA 3546	OEXT/38626	EPA 8270 by SIM	MSSV/17421
50113286016	B-14 (4-6)	EPA 3546	OEXT/38626	EPA 8270 by SIM	MSSV/17421
50113286017	B-15 (0-2)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286018	B-15 (2-4)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286019	B-16 (2-4)	EPA 3546	OEXT/38626	EPA 8270 by SIM	MSSV/17421
50113286020	B-16 (6-8)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286021	B-17 (0-2)	EPA 3546	OEXT/38626	EPA 8270 by SIM	MSSV/17421
50113286022	B-17 (4-6)	EPA 3546	OEXT/38540	EPA 8270 by SIM	MSSV/17366
50113286001	B-8 (0-2)	EPA 8260	MSV/74041		
50113286002	B-8 (12-14)	EPA 8260	MSV/74041		
50113286003	Trip Blank	EPA 8260	MSV/74041		
50113286004	B-9 (0-2)	EPA 8260	MSV/74041		
50113286005	B-9 (4-6)	EPA 8260	MSV/74041		
50113286006	B-10 (0-2)	EPA 8260	MSV/74041		
50113286007	B-10 (4-6)	EPA 8260	MSV/74041		
50113286008	B-11 (0-2)	EPA 8260	MSV/74041		
50113286009	B-11 (6-8)	EPA 8260	MSV/74041		
50113286010	B-12 (0-2)	EPA 8260	MSV/74043		
50113286011	B-12 (8-10)	EPA 8260	MSV/74043		
50113286012	Blind Duplicate 2	EPA 8260	MSV/74043		
50113286013	B-13 (0-2)	EPA 8260	MSV/74041		
50113286014	B-13 (4-6)	EPA 8260	MSV/74043		
50113286015	B-14 (0-2)	EPA 8260	MSV/74067		
50113286016	B-14 (4-6)	EPA 8260	MSV/74043		
50113286017	B-15 (0-2)	EPA 8260	MSV/74043		
50113286018	B-15 (2-4)	EPA 8260	MSV/74043		
50113286019	B-16 (2-4)	EPA 8260	MSV/74043		
50113286020	B-16 (6-8)	EPA 8260	MSV/74043		
50113286021	B-17 (0-2)	EPA 8260	MSV/74043		
50113286022	B-17 (4-6)	EPA 8260	MSV/74043		
50113286001	B-8 (0-2)	ASTM D2974-87	PMST/10387		
50113286002	B-8 (12-14)	ASTM D2974-87	PMST/10387		
50113286004	B-9 (0-2)	ASTM D2974-87	PMST/10387		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Jasper Power Plant

Pace Project No.: 50113286

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50113286005	B-9 (4-6)	ASTM D2974-87	PMST/10387		
50113286006	B-10 (0-2)	ASTM D2974-87	PMST/10387		
50113286007	B-10 (4-6)	ASTM D2974-87	PMST/10387		
50113286008	B-11 (0-2)	ASTM D2974-87	PMST/10393		
50113286009	B-11 (6-8)	ASTM D2974-87	PMST/10393		
50113286010	B-12 (0-2)	ASTM D2974-87	PMST/10393		
50113286011	B-12 (8-10)	ASTM D2974-87	PMST/10393		
50113286012	Blind Duplicate 2	ASTM D2974-87	PMST/10393		
50113286013	B-13 (0-2)	ASTM D2974-87	PMST/10393		
50113286014	B-13 (4-6)	ASTM D2974-87	PMST/10393		
50113286015	B-14 (0-2)	ASTM D2974-87	PMST/10393		
50113286016	B-14 (4-6)	ASTM D2974-87	PMST/10393		
50113286017	B-15 (0-2)	ASTM D2974-87	PMST/10398		
50113286018	B-15 (2-4)	ASTM D2974-87	PMST/10398		
50113286019	B-16 (2-4)	ASTM D2974-87	PMST/10398		
50113286020	B-16 (6-8)	ASTM D2974-87	PMST/10398		
50113286021	B-17 (0-2)	ASTM D2974-87	PMST/10398		
50113286022	B-17 (4-6)	ASTM D2974-87	PMST/10398		

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:		Section B Required Project Information:		Section C Invoice Information:	
Company: Cardno ATC	Report To: Megan Foye	Company Name: Cardno ATC	Attention: Project Tribby - Paine	Page: 1 of 2	1848207
Address: 255 S. Garvin St. Unit 6	Company: Brian Kleeman	Address: Cardno ATC	Company Name: Cardno ATC	REGULATORY AGENCY	
City: Evansville, IN 47713	Project Name: Former Sager Power Plant	State: IN	Site Location	NPDES ☐ GROUND WATER ☐ DRINKING WATER	
Phone: 812-932-2455	Project Number: 1702N1507H	Pace Project Manager	UST ☐ RCRA ☐ OTHER ☐		
Requested Due Date/TAT: 1702N1507H		Pace Profile #			

ITEM #	Section D Required Client Information		Section E Matrix Codes		Section F Sample ID		Section G Sample Location		Section H Sample Analysis		Section I Sample Conditions	
	Matrix Codes	MATRIX CODE	Drinking Water	Waste Water	Product	Soil/Solid	Oil	Wipe	Air	Tissue	Other	Preservatives
1	B-8 (0-2')											
2	B-8 (12-14')											
3	Trip Blank											
4	B-9 (0-2')											
5	B-9 (4-6')											
6	B-10 (0-2')											
7	B-10 (4-6')											
8	B-11 (0-2')											
9	B-11 (6-8')											
10	B-12 (0-2')											
11	B-12 (8-10')											
12												

Section J Additional Comments		Section K Relinquished By / Affiliation		Section L Date		Section M Time		Section N Accepted By / Affiliation		Section O Date		Section P Time		Section Q Sample Conditions	
Megan Foye / Cardno		Sarah Fox / Cardno		2-25-15		5:00 PM		Sarah Fox / Cardno		2-25-15		5:00 PM			
Sarah Fox / Cardno		Fed Ex		2-25-15		10:15		Brian Steli / PACE		2-26-15		10:15			
Fed Ex															

ORIGINAL

w/i FEDEX

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Cardno ATC	Report To:	Megan Foye	Attention:	Angie Tribby-Payne
Address:	255 S. Garcia St. Unit G Evanville, IN 47713	Copy To:	John Kleeman	Company Name:	Cardno ATC
Email To:	megan.foye@cardno.com	Purchase Order No.:	Rob Walker	Address:	
Phone:	(812) 972-2728	Project Name:	Palmer Jasper Power Plant	Pace Quote Reference:	
Requested Due Date/TAT:		Project Manager:		Pace Project Manager:	
		Project Number:	170 IN 15074	Pace Profile #:	
REGULATORY AGENCY		REGULATORY AGENCY		REGULATORY AGENCY	
☐ NPDES	☐ GROUND WATER	☐ RCRA	☐ OTHER	☐ NPDES	☐ GROUND WATER
☐ UST	☐ RCRA	☐ OTHER	☐ OTHER	☐ UST	☐ RCRA
Site Location		Site Location		Site Location	
STATE:		STATE:		STATE:	
IN		IN		IN	
Page: 2 of 2		Page: 2 of 2		Page: 2 of 2	
1848206		1848206		1848206	

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
MSMSD 2 from B-13 (0-2')	Megan Foye / Cardno	2-25-15	5:00 PM	Sarah Fox / Cardno	2-25-15	5:00 PM	
	Sarah Fox / Cardno	2-25-15	6:00 PM	Fed Ex	2-25-15	6:00 PM	
	FedEx			Burns Station / ACE	2-26-15	10:15	3.2 Y Y Y

Page 20

ORIGINAL	SAMPLER NAME AND SIGNATURE		Temp In °C	Received on	Custody	Sealed Cooler	Samples Intact
				(Y/N)	(Y/N)	(Y/N)	(Y/N)
	PRINT Name of SAMPLER:						
	SIGNATURE OF SAMPLER:						
			DATE Signed				
			(MM/DD/YYYY)				

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.

E-ALL-Q-020rev.07. 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Cardno ATC Project # 50113286

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 806632558608

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Date/Time 6035A kits placed in freezer

2-26-15 1030

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 3.2°C
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 2-26-15 BAS

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	6.
Containers Intact:	☒ Yes ☐ No ☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒ Yes ☐ No ☐ N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes ☐ No ☒ N/A	9. (Circle) HNO ₃ H ₂ SO ₄ NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	10.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	11.
Trip Blank Custody Seals Present	☐ Yes ☒ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	12.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	13.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: * Terra Core vials were labeled.

Project Manager Review: Kanner

Date: 2-26-15

Sample Container Count



CLIENT: Cardno ATC

COC PAGE 1 of 2
COC ID# 1848207

Project # 50113286

Bulk

Sample Line Item	DG9H	AG1U	WG9U	AG0U	R	BP2N	BP2U	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	pH <2	pH >12	Comments
1				1														
2				1														
3																		
4				1														
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
WG9U	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	BP3C	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	WGFX	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: Cardno ATK

COC PAGE 2 of 2
COC ID# 1848206

Project # 50113286

Sample Line

Item	DG9H	AG1U	WG9U	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	pH <2	pH >12	Comments
1					1															
2					2															
3					1															
4					1															
5					1															
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
WG9U	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	BP3C	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	WGFX	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

March 26, 2015

Mr. Brian Kleeman
Cardno ATC
255 South Garvin St.
Suite G
Evansville, IN 47713

RE: Project: Frm Jasper Power Plant
Pace Project No.: 50114441

Dear Mr. Kleeman:

Enclosed are the analytical results for sample(s) received by the laboratory on March 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,



Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10177/ E-10247

Kentucky UST Certification #: 0042

Kentucky WW Certification #: 98019

Louisiana/NELAP Certification #: 04076

Ohio VAP Certification #: CL-0065

Oklahoma Certification #: 2014-148

Pennsylvania Certification #: 68-05340

Texas Certification #: T104704355-15-8

West Virginia Certification #: 330

Wisconsin Certification #: 999788130

USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50114441001	B-2	Water	03/11/15 13:00	03/14/15 10:08
50114441002	B-3	Water	03/11/15 14:15	03/14/15 10:08
50114441003	B-6	Water	03/11/15 15:30	03/14/15 10:08
50114441004	B-7	Water	03/12/15 19:20	03/14/15 10:08
50114441005	B-8	Water	03/12/15 18:20	03/14/15 10:08
50114441006	B-9	Water	03/12/15 16:05	03/14/15 10:08
50114441007	B-10	Water	03/12/15 15:10	03/14/15 10:08
50114441008	B-11	Water	03/12/15 14:00	03/14/15 10:08
50114441009	B-13	Water	03/12/15 11:00	03/14/15 10:08
50114441010	B-16	Water	03/12/15 12:30	03/14/15 10:08
50114441011	BLIND DUPLICATE	Water	03/12/15 08:00	03/14/15 10:08
50114441012	TRIP BLANK	Water	03/12/15 09:00	03/14/15 10:08

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SAMPLE ANALYTE COUNT

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50114441001	B-2	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441002	B-3	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441003	B-6	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441004	B-7	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441005	B-8	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441006	B-9	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441007	B-10	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441008	B-11	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441009	B-13	EPA 6010	FRW	7
		EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
50114441010	B-16	EPA 6010	FRW	7

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SAMPLE ANALYTE COUNT

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50114441011	BLIND DUPLICATE	EPA 7470	LLB	1
		EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
		EPA 6010	FRW	7
		EPA 7470	LLB	1
50114441012	TRIP BLANK	EPA 8270 by SIM LVE	TBP	20
		EPA 8260	RSW	72
		EPA 8260	RSW	72
		EPA 8260	RSW	72

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-2		Lab ID: 50114441001		Collected: 03/11/15 13:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:56	7440-38-2		
Barium	188	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:56	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 10:56	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:56	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:56	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:56	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:56	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:12	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 08:58	03/18/15 08:04	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:04	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:04	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	45	%.	21-114	1	03/17/15 08:58	03/18/15 08:04	321-60-8		
p-Terphenyl-d14 (S)	27	%.	25-131	1	03/17/15 08:58	03/18/15 08:04	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 05:33	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 05:33	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 05:33	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 05:33	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 05:33	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 05:33	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 05:33	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 05:33	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 05:33	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 05:33	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	104-51-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-2		Lab ID: 50114441001		Collected: 03/11/15 13:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	135-98-8		
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	98-06-6		
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 05:33	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 05:33	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 05:33	108-90-7		
Chloroethane	ND	ug/L	5.0	1		03/18/15 05:33	75-00-3		
Chloroform	ND	ug/L	5.0	1		03/18/15 05:33	67-66-3		
Chloromethane	ND	ug/L	5.0	1		03/18/15 05:33	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 05:33	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 05:33	106-43-4		
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 05:33	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 05:33	106-93-4		
Dibromomethane	ND	ug/L	5.0	1		03/18/15 05:33	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 05:33	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 05:33	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 05:33	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 05:33	110-57-6		
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 05:33	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 05:33	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 05:33	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 05:33	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 05:33	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 05:33	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 05:33	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 05:33	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 05:33	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 05:33	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 05:33	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 05:33	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	100-41-4		
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 05:33	97-63-2		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 05:33	87-68-3		
n-Hexane	ND	ug/L	5.0	1		03/18/15 05:33	110-54-3		
2-Hexanone	ND	ug/L	25.0	1		03/18/15 05:33	591-78-6		
Iodomethane	ND	ug/L	10.0	1		03/18/15 05:33	74-88-4		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 05:33	98-82-8		
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 05:33	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 05:33	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 05:33	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 05:33	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 05:33	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 05:33	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 05:33	79-34-5		
Tetrachloroethene	51.0	ug/L	5.0	1		03/18/15 05:33	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 05:33	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 05:33	87-61-6		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-2		Lab ID: 50114441001		Collected: 03/11/15 13:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 05:33	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 05:33	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 05:33	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 05:33	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 05:33	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 05:33	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 05:33	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 05:33	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 05:33	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 05:33	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	103	%.	79-116	1		03/18/15 05:33	1868-53-7		
4-Bromofluorobenzene (S)	98	%.	80-114	1		03/18/15 05:33	460-00-4		
Toluene-d8 (S)	98	%.	81-110	1		03/18/15 05:33	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-3		Lab ID: 50114441002		Collected: 03/11/15 14:15		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:58	7440-38-2		
Barium	32.6	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:58	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 10:58	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:58	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:58	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:58	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 10:58	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:14	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 08:58	03/18/15 08:22	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:22	193-39-5		
1-Methylnaphthalene	2.7	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	90-12-0		
2-Methylnaphthalene	1.7	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	91-57-6		
Naphthalene	2.2	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:22	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	34	%.	21-114	1	03/17/15 08:58	03/18/15 08:22	321-60-8		
p-Terphenyl-d14 (S)	28	%.	25-131	1	03/17/15 08:58	03/18/15 08:22	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 06:07	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 06:07	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 06:07	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 06:07	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 06:07	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 06:07	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 06:07	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 06:07	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 06:07	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 06:07	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	104-51-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-3		Lab ID: 50114441002	Collected: 03/11/15 14:15	Received: 03/14/15 10:08	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 06:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 06:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 06:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/18/15 06:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/18/15 06:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/18/15 06:07	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 06:07	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 06:07	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 06:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 06:07	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/18/15 06:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 06:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 06:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 06:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 06:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 06:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 06:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 06:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 06:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 06:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 06:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 06:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 06:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 06:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 06:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 06:07	87-68-3	
n-Hexane	ND	ug/L	5.0	1		03/18/15 06:07	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/18/15 06:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/18/15 06:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 06:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 06:07	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 06:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 06:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 06:07	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	103-65-1	
Styrene	ND	ug/L	5.0	1		03/18/15 06:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 06:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 06:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 06:07	127-18-4	
Toluene	ND	ug/L	5.0	1		03/18/15 06:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:07	87-61-6	

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: B-3		Lab ID: 50114441002		Collected: 03/11/15 14:15		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:07	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 06:07	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 06:07	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 06:07	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 06:07	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 06:07	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 06:07	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 06:07	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 06:07	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 06:07	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116	1		03/18/15 06:07	1868-53-7		
4-Bromofluorobenzene (S)	97	%.	80-114	1		03/18/15 06:07	460-00-4		
Toluene-d8 (S)	97	%.	81-110	1		03/18/15 06:07	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-6		Lab ID: 50114441003		Collected: 03/11/15 15:30		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:04	7440-38-2		
Barium	45.2	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:04	7440-39-3		
Cadmium	2.4	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:04	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:04	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:04	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:04	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:04	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:16	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 08:58	03/18/15 08:39	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 08:58	03/18/15 08:39	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 08:58	03/18/15 08:39	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	56	%.	21-114	1	03/17/15 08:58	03/18/15 08:39	321-60-8		
p-Terphenyl-d14 (S)	50	%.	25-131	1	03/17/15 08:58	03/18/15 08:39	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 06:40	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 06:40	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 06:40	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 06:40	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 06:40	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 06:40	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 06:40	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 06:40	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 06:40	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 06:40	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	104-51-8		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-6		Lab ID: 50114441003	Collected: 03/11/15 15:30	Received: 03/14/15 10:08	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 06:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 06:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 06:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/18/15 06:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/18/15 06:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/18/15 06:40	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 06:40	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 06:40	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 06:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 06:40	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/18/15 06:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 06:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 06:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 06:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 06:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 06:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 06:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 06:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 06:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 06:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 06:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 06:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 06:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 06:40	87-68-3	
n-Hexane	ND	ug/L	5.0	1		03/18/15 06:40	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/18/15 06:40	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/18/15 06:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 06:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 06:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 06:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 06:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 06:40	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	103-65-1	
Styrene	ND	ug/L	5.0	1		03/18/15 06:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 06:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 06:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 06:40	127-18-4	
Toluene	ND	ug/L	5.0	1		03/18/15 06:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:40	87-61-6	

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: B-6		Lab ID: 50114441003		Collected: 03/11/15 15:30		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 06:40	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 06:40	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 06:40	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 06:40	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 06:40	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 06:40	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 06:40	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 06:40	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 06:40	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 06:40	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116	1		03/18/15 06:40	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/18/15 06:40	460-00-4		
Toluene-d8 (S)	94	%.	81-110	1		03/18/15 06:40	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-7		Lab ID: 50114441004		Collected: 03/12/15 19:20		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:06	7440-38-2		
Barium	18.7	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:06	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:06	7440-43-9		
Chromium	46.9	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:06	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:06	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:06	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:06	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:19	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 14:51	03/19/15 00:13	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:13	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:13	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	54	%.	21-114	1	03/17/15 14:51	03/19/15 00:13	321-60-8		
p-Terphenyl-d14 (S)	44	%.	25-131	1	03/17/15 14:51	03/19/15 00:13	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 07:13	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 07:13	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 07:13	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 07:13	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 07:13	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 07:13	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 07:13	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 07:13	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 07:13	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 07:13	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	104-51-8		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-7		Lab ID: 50114441004		Collected: 03/12/15 19:20		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	135-98-8		
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	98-06-6		
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 07:13	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 07:13	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 07:13	108-90-7		
Chloroethane	ND	ug/L	5.0	1		03/18/15 07:13	75-00-3		
Chloroform	ND	ug/L	5.0	1		03/18/15 07:13	67-66-3		
Chloromethane	ND	ug/L	5.0	1		03/18/15 07:13	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 07:13	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 07:13	106-43-4		
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 07:13	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 07:13	106-93-4		
Dibromomethane	ND	ug/L	5.0	1		03/18/15 07:13	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:13	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:13	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:13	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 07:13	110-57-6		
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 07:13	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 07:13	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 07:13	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 07:13	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 07:13	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 07:13	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 07:13	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 07:13	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 07:13	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 07:13	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 07:13	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 07:13	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	100-41-4		
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 07:13	97-63-2		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 07:13	87-68-3		
n-Hexane	ND	ug/L	5.0	1		03/18/15 07:13	110-54-3		
2-Hexanone	ND	ug/L	25.0	1		03/18/15 07:13	591-78-6		
Iodomethane	ND	ug/L	10.0	1		03/18/15 07:13	74-88-4		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 07:13	98-82-8		
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 07:13	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 07:13	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 07:13	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 07:13	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 07:13	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 07:13	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 07:13	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 07:13	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 07:13	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:13	87-61-6		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-7		Lab ID: 50114441004		Collected: 03/12/15 19:20		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:13	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 07:13	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 07:13	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 07:13	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 07:13	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 07:13	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 07:13	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 07:13	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 07:13	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 07:13	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	109	%.	79-116	1		03/18/15 07:13	1868-53-7		
4-Bromofluorobenzene (S)	97	%.	80-114	1		03/18/15 07:13	460-00-4		
Toluene-d8 (S)	95	%.	81-110	1		03/18/15 07:13	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-8		Lab ID: 50114441005		Collected: 03/12/15 18:20		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:09	7440-38-2		
Barium	72.9	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:09	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:09	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:09	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:09	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:09	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:09	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:27	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	83-32-9		
Acenaphthylene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	208-96-8		
Anthracene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	207-08-9		
Chrysene	ND	ug/L	0.53	1	03/17/15 14:51	03/19/15 00:30	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	53-70-3		
Fluoranthene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	206-44-0		
Fluorene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1	03/17/15 14:51	03/19/15 00:30	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	91-57-6		
Naphthalene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	91-20-3		
Phenanthrene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	85-01-8		
Pyrene	ND	ug/L	1.1	1	03/17/15 14:51	03/19/15 00:30	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	57	%.	21-114	1	03/17/15 14:51	03/19/15 00:30	321-60-8		
p-Terphenyl-d14 (S)	48	%.	25-131	1	03/17/15 14:51	03/19/15 00:30	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 07:47	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 07:47	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 07:47	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 07:47	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 07:47	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 07:47	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 07:47	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 07:47	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 07:47	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 07:47	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	104-51-8		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-8		Lab ID: 50114441005	Collected: 03/12/15 18:20	Received: 03/14/15 10:08	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 07:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 07:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 07:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/18/15 07:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/18/15 07:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/18/15 07:47	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 07:47	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 07:47	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 07:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 07:47	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/18/15 07:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 07:47	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 07:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 07:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 07:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 07:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 07:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 07:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 07:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 07:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 07:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 07:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 07:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 07:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 07:47	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 07:47	87-68-3	
n-Hexane	ND	ug/L	5.0	1		03/18/15 07:47	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/18/15 07:47	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/18/15 07:47	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 07:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 07:47	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 07:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 07:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 07:47	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	103-65-1	
Styrene	ND	ug/L	5.0	1		03/18/15 07:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 07:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 07:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 07:47	127-18-4	
Toluene	ND	ug/L	5.0	1		03/18/15 07:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:47	87-61-6	

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: B-8		Lab ID: 50114441005		Collected: 03/12/15 18:20		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 07:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 07:47	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 07:47	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 07:47	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 07:47	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 07:47	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 07:47	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 07:47	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 07:47	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 07:47	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	107	%.	79-116	1		03/18/15 07:47	1868-53-7		
4-Bromofluorobenzene (S)	96	%.	80-114	1		03/18/15 07:47	460-00-4		
Toluene-d8 (S)	96	%.	81-110	1		03/18/15 07:47	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-9		Lab ID: 50114441006		Collected: 03/12/15 16:05		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	27.1	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:11	7440-38-2		
Barium	43.0	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:11	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:11	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:11	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:11	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:11	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:11	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:29	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 14:51	03/19/15 00:48	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 00:48	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 00:48	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	60	%.	21-114	1	03/17/15 14:51	03/19/15 00:48	321-60-8		
p-Terphenyl-d14 (S)	41	%.	25-131	1	03/17/15 14:51	03/19/15 00:48	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 08:20	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 08:20	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 08:20	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 08:20	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 08:20	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 08:20	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 08:20	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 08:20	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 08:20	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 08:20	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	104-51-8		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-9		Lab ID: 50114441006	Collected: 03/12/15 16:05	Received: 03/14/15 10:08	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 08:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 08:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 08:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/18/15 08:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/18/15 08:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/18/15 08:20	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 08:20	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 08:20	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 08:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 08:20	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/18/15 08:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 08:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 08:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 08:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 08:20	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 08:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 08:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 08:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 08:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 08:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 08:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 08:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 08:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 08:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 08:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 08:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 08:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 08:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 08:20	87-68-3	
n-Hexane	ND	ug/L	5.0	1		03/18/15 08:20	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/18/15 08:20	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/18/15 08:20	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 08:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 08:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 08:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 08:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 08:20	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	103-65-1	
Styrene	ND	ug/L	5.0	1		03/18/15 08:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 08:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 08:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 08:20	127-18-4	
Toluene	ND	ug/L	5.0	1		03/18/15 08:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 08:20	87-61-6	

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-9		Lab ID: 50114441006		Collected: 03/12/15 16:05		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 08:20	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 08:20	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 08:20	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 08:20	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 08:20	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 08:20	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 08:20	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 08:20	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 08:20	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 08:20	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	105	%.	79-116	1		03/18/15 08:20	1868-53-7		
4-Bromofluorobenzene (S)	94	%.	80-114	1		03/18/15 08:20	460-00-4		
Toluene-d8 (S)	97	%.	81-110	1		03/18/15 08:20	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-10		Lab ID: 50114441007		Collected: 03/12/15 15:10		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:21	7440-38-2		
Barium	27.1	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:21	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:21	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:21	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:21	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:21	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:21	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:35	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 14:51	03/19/15 01:41	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:41	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:41	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	31	%.	21-114	1	03/17/15 14:51	03/19/15 01:41	321-60-8		
p-Terphenyl-d14 (S)	21	%.	25-131	1	03/17/15 14:51	03/19/15 01:41	1718-51-0	1d	
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 10:01	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 10:01	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 10:01	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 10:01	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 10:01	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 10:01	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 10:01	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 10:01	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 10:01	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 10:01	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	104-51-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-10		Lab ID: 50114441007		Collected: 03/12/15 15:10		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	135-98-8		
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	98-06-6		
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 10:01	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 10:01	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 10:01	108-90-7		
Chloroethane	ND	ug/L	5.0	1		03/18/15 10:01	75-00-3		
Chloroform	ND	ug/L	5.0	1		03/18/15 10:01	67-66-3		
Chloromethane	ND	ug/L	5.0	1		03/18/15 10:01	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 10:01	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 10:01	106-43-4		
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 10:01	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 10:01	106-93-4		
Dibromomethane	ND	ug/L	5.0	1		03/18/15 10:01	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 10:01	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 10:01	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 10:01	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 10:01	110-57-6		
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 10:01	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 10:01	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 10:01	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 10:01	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 10:01	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 10:01	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 10:01	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 10:01	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 10:01	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 10:01	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 10:01	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 10:01	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	100-41-4		
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 10:01	97-63-2		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 10:01	87-68-3		
n-Hexane	ND	ug/L	5.0	1		03/18/15 10:01	110-54-3		
2-Hexanone	ND	ug/L	25.0	1		03/18/15 10:01	591-78-6		
Iodomethane	ND	ug/L	10.0	1		03/18/15 10:01	74-88-4		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 10:01	98-82-8		
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 10:01	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 10:01	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 10:01	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 10:01	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 10:01	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 10:01	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 10:01	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 10:01	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 10:01	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 10:01	87-61-6		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-10		Lab ID: 50114441007		Collected: 03/12/15 15:10		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 10:01	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 10:01	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 10:01	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 10:01	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 10:01	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 10:01	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 10:01	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 10:01	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 10:01	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 10:01	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	102	%.	79-116	1		03/18/15 10:01	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/18/15 10:01	460-00-4		
Toluene-d8 (S)	98	%.	81-110	1		03/18/15 10:01	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-11		Lab ID: 50114441008		Collected: 03/12/15 14:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:23	7440-38-2		
Barium	68.8	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:23	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:23	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:23	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:23	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:23	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:23	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:37	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/17/15 14:51	03/19/15 01:59	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/17/15 14:51	03/19/15 01:59	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/17/15 14:51	03/19/15 01:59	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	56	%.	21-114	1	03/17/15 14:51	03/19/15 01:59	321-60-8		
p-Terphenyl-d14 (S)	47	%.	25-131	1	03/17/15 14:51	03/19/15 01:59	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 20:18	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 20:18	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 20:18	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 20:18	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 20:18	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 20:18	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 20:18	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 20:18	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 20:18	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 20:18	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	104-51-8		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-11		Lab ID: 50114441008		Collected: 03/12/15 14:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	135-98-8		
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	98-06-6		
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 20:18	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 20:18	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 20:18	108-90-7		
Chloroethane	ND	ug/L	5.0	1		03/18/15 20:18	75-00-3		
Chloroform	ND	ug/L	5.0	1		03/18/15 20:18	67-66-3		
Chloromethane	ND	ug/L	5.0	1		03/18/15 20:18	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 20:18	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 20:18	106-43-4		
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 20:18	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 20:18	106-93-4		
Dibromomethane	ND	ug/L	5.0	1		03/18/15 20:18	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:18	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:18	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:18	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 20:18	110-57-6		
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 20:18	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 20:18	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 20:18	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 20:18	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 20:18	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 20:18	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 20:18	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 20:18	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 20:18	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 20:18	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 20:18	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 20:18	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	100-41-4		
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 20:18	97-63-2		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 20:18	87-68-3		
n-Hexane	ND	ug/L	5.0	1		03/18/15 20:18	110-54-3		
2-Hexanone	ND	ug/L	25.0	1		03/18/15 20:18	591-78-6		
Iodomethane	ND	ug/L	10.0	1		03/18/15 20:18	74-88-4		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 20:18	98-82-8		
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 20:18	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 20:18	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 20:18	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 20:18	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 20:18	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 20:18	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 20:18	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 20:18	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 20:18	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:18	87-61-6		

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: B-11		Lab ID: 50114441008		Collected: 03/12/15 14:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:18	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 20:18	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 20:18	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 20:18	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 20:18	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 20:18	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 20:18	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 20:18	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 20:18	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 20:18	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	104	%.	79-116	1		03/18/15 20:18	1868-53-7		
4-Bromofluorobenzene (S)	96	%.	80-114	1		03/18/15 20:18	460-00-4		
Toluene-d8 (S)	94	%.	81-110	1		03/18/15 20:18	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-13		Lab ID: 50114441009		Collected: 03/12/15 11:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:31	7440-38-2		
Barium	12.1	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:31	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:31	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:31	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:31	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:31	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:31	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:39	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/18/15 08:40	03/18/15 18:03	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:03	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:03	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	56	%.	21-114	1	03/18/15 08:40	03/18/15 18:03	321-60-8		
p-Terphenyl-d14 (S)	43	%.	25-131	1	03/18/15 08:40	03/18/15 18:03	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 20:52	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 20:52	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 20:52	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 20:52	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 20:52	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 20:52	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 20:52	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 20:52	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 20:52	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 20:52	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	104-51-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-13		Lab ID: 50114441009		Collected: 03/12/15 11:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	135-98-8		
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	98-06-6		
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 20:52	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 20:52	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 20:52	108-90-7		
Chloroethane	ND	ug/L	5.0	1		03/18/15 20:52	75-00-3		
Chloroform	ND	ug/L	5.0	1		03/18/15 20:52	67-66-3		
Chloromethane	ND	ug/L	5.0	1		03/18/15 20:52	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 20:52	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 20:52	106-43-4		
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 20:52	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 20:52	106-93-4		
Dibromomethane	ND	ug/L	5.0	1		03/18/15 20:52	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:52	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:52	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:52	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 20:52	110-57-6		
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 20:52	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 20:52	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 20:52	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 20:52	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 20:52	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 20:52	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 20:52	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 20:52	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 20:52	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 20:52	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 20:52	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 20:52	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	100-41-4		
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 20:52	97-63-2		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 20:52	87-68-3		
n-Hexane	ND	ug/L	5.0	1		03/18/15 20:52	110-54-3		
2-Hexanone	ND	ug/L	25.0	1		03/18/15 20:52	591-78-6		
Iodomethane	ND	ug/L	10.0	1		03/18/15 20:52	74-88-4		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 20:52	98-82-8		
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 20:52	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 20:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 20:52	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 20:52	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 20:52	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 20:52	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 20:52	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 20:52	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 20:52	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:52	87-61-6		

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: B-13		Lab ID: 50114441009		Collected: 03/12/15 11:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 20:52	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 20:52	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 20:52	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 20:52	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 20:52	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 20:52	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 20:52	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 20:52	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 20:52	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 20:52	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	105	%.	79-116	1		03/18/15 20:52	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/18/15 20:52	460-00-4		
Toluene-d8 (S)	96	%.	81-110	1		03/18/15 20:52	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-16		Lab ID: 50114441010		Collected: 03/12/15 12:30		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:33	7440-38-2		
Barium	209	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:33	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:33	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:33	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:33	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:33	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:33	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:41	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	83-32-9		
Acenaphthylene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	208-96-8		
Anthracene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	207-08-9		
Chrysene	ND	ug/L	0.50	1	03/18/15 08:40	03/18/15 18:21	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	53-70-3		
Fluoranthene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	206-44-0		
Fluorene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	03/18/15 08:40	03/18/15 18:21	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	91-57-6		
Naphthalene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	91-20-3		
Phenanthrene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	85-01-8		
Pyrene	ND	ug/L	1.0	1	03/18/15 08:40	03/18/15 18:21	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	56	%.	21-114	1	03/18/15 08:40	03/18/15 18:21	321-60-8		
p-Terphenyl-d14 (S)	61	%.	25-131	1	03/18/15 08:40	03/18/15 18:21	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 21:25	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 21:25	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 21:25	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 21:25	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 21:25	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 21:25	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 21:25	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 21:25	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 21:25	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 21:25	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	104-51-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-16		Lab ID: 50114441010		Collected: 03/12/15 12:30		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	135-98-8		
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	98-06-6		
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 21:25	75-15-0		
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 21:25	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 21:25	108-90-7		
Chloroethane	ND	ug/L	5.0	1		03/18/15 21:25	75-00-3		
Chloroform	ND	ug/L	5.0	1		03/18/15 21:25	67-66-3		
Chloromethane	ND	ug/L	5.0	1		03/18/15 21:25	74-87-3		
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 21:25	95-49-8		
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 21:25	106-43-4		
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 21:25	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 21:25	106-93-4		
Dibromomethane	ND	ug/L	5.0	1		03/18/15 21:25	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:25	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:25	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:25	106-46-7		
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 21:25	110-57-6		
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 21:25	75-71-8		
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 21:25	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 21:25	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 21:25	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 21:25	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 21:25	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 21:25	78-87-5		
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 21:25	142-28-9		
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 21:25	594-20-7		
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 21:25	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 21:25	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 21:25	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	100-41-4		
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 21:25	97-63-2		
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 21:25	87-68-3		
n-Hexane	ND	ug/L	5.0	1		03/18/15 21:25	110-54-3		
2-Hexanone	ND	ug/L	25.0	1		03/18/15 21:25	591-78-6		
Iodomethane	ND	ug/L	10.0	1		03/18/15 21:25	74-88-4		
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 21:25	98-82-8		
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 21:25	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 21:25	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 21:25	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 21:25	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 21:25	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 21:25	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 21:25	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 21:25	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 21:25	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:25	87-61-6		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: B-16		Lab ID: 50114441010		Collected: 03/12/15 12:30		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:25	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 21:25	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 21:25	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 21:25	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 21:25	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 21:25	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 21:25	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 21:25	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 21:25	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 21:25	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	104	%.	79-116	1		03/18/15 21:25	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/18/15 21:25	460-00-4		
Toluene-d8 (S)	98	%.	81-110	1		03/18/15 21:25	2037-26-5		

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: BLIND DUPLICATE		Lab ID: 50114441011		Collected: 03/12/15 08:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:35	7440-38-2		
Barium	71.1	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:35	7440-39-3		
Cadmium	ND	ug/L	2.0	1	03/18/15 14:14	03/19/15 11:35	7440-43-9		
Chromium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:35	7440-47-3		
Lead	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:35	7439-92-1		
Selenium	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:35	7782-49-2		
Silver	ND	ug/L	10.0	1	03/18/15 14:14	03/19/15 11:35	7440-22-4		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	03/23/15 11:25	03/24/15 13:43	7439-97-6		
8270 MSSV PAHLV		Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	83-32-9		
Acenaphthylene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	208-96-8		
Anthracene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	120-12-7		
Benzo(a)anthracene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	56-55-3		
Benzo(a)pyrene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	207-08-9		
Chrysene	ND	ug/L	0.53	1	03/18/15 08:40	03/18/15 18:38	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	53-70-3		
Fluoranthene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	206-44-0		
Fluorene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	86-73-7		
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1	03/18/15 08:40	03/18/15 18:38	193-39-5		
1-Methylnaphthalene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	90-12-0		
2-Methylnaphthalene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	91-57-6		
Naphthalene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	91-20-3		
Phenanthrene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	85-01-8		
Pyrene	ND	ug/L	1.1	1	03/18/15 08:40	03/18/15 18:38	129-00-0		
Surrogates									
2-Fluorobiphenyl (S)	58	%.	21-114	1	03/18/15 08:40	03/18/15 18:38	321-60-8		
p-Terphenyl-d14 (S)	59	%.	25-131	1	03/18/15 08:40	03/18/15 18:38	1718-51-0		
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/18/15 21:59	67-64-1		
Acrolein	ND	ug/L	50.0	1		03/18/15 21:59	107-02-8		
Acrylonitrile	ND	ug/L	100	1		03/18/15 21:59	107-13-1		
Benzene	ND	ug/L	5.0	1		03/18/15 21:59	71-43-2		
Bromobenzene	ND	ug/L	5.0	1		03/18/15 21:59	108-86-1		
Bromochloromethane	ND	ug/L	5.0	1		03/18/15 21:59	74-97-5		
Bromodichloromethane	ND	ug/L	5.0	1		03/18/15 21:59	75-27-4		
Bromoform	ND	ug/L	5.0	1		03/18/15 21:59	75-25-2		
Bromomethane	ND	ug/L	5.0	1		03/18/15 21:59	74-83-9		
2-Butanone (MEK)	ND	ug/L	25.0	1		03/18/15 21:59	78-93-3		
n-Butylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	104-51-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: BLIND DUPLICATE		Lab ID: 50114441011	Collected: 03/12/15 08:00	Received: 03/14/15 10:08	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/18/15 21:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/18/15 21:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/18/15 21:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/18/15 21:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/18/15 21:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/18/15 21:59	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 21:59	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/18/15 21:59	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/18/15 21:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/18/15 21:59	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/18/15 21:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/18/15 21:59	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/18/15 21:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/18/15 21:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/18/15 21:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/18/15 21:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 21:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/18/15 21:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 21:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/18/15 21:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/18/15 21:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/18/15 21:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 21:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/18/15 21:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/18/15 21:59	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/18/15 21:59	87-68-3	
n-Hexane	ND	ug/L	5.0	1		03/18/15 21:59	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/18/15 21:59	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/18/15 21:59	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/18/15 21:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 21:59	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 21:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 21:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 21:59	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	103-65-1	
Styrene	ND	ug/L	5.0	1		03/18/15 21:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 21:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 21:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 21:59	127-18-4	
Toluene	ND	ug/L	5.0	1		03/18/15 21:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:59	87-61-6	

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: BLIND DUPLICATE		Lab ID: 50114441011		Collected: 03/12/15 08:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 21:59	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 21:59	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 21:59	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 21:59	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 21:59	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 21:59	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 21:59	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 21:59	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 21:59	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 21:59	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	105	%.	79-116	1		03/18/15 21:59	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/18/15 21:59	460-00-4		
Toluene-d8 (S)	96	%.	81-110	1		03/18/15 21:59	2037-26-5		

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ANALYTICAL RESULTS

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Sample: TRIP BLANK		Lab ID: 50114441012		Collected: 03/12/15 09:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1			03/18/15 22:32	67-64-1	
Acrolein	ND	ug/L	50.0	1			03/18/15 22:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1			03/18/15 22:32	107-13-1	
Benzene	ND	ug/L	5.0	1			03/18/15 22:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1			03/18/15 22:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1			03/18/15 22:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1			03/18/15 22:32	75-27-4	
Bromoform	ND	ug/L	5.0	1			03/18/15 22:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1			03/18/15 22:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1			03/18/15 22:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1			03/18/15 22:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1			03/18/15 22:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1			03/18/15 22:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1			03/18/15 22:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1			03/18/15 22:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1			03/18/15 22:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1			03/18/15 22:32	75-00-3	
Chloroform	ND	ug/L	5.0	1			03/18/15 22:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1			03/18/15 22:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1			03/18/15 22:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1			03/18/15 22:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1			03/18/15 22:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1			03/18/15 22:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1			03/18/15 22:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1			03/18/15 22:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1			03/18/15 22:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1			03/18/15 22:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1			03/18/15 22:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1			03/18/15 22:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1			03/18/15 22:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1			03/18/15 22:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1			03/18/15 22:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1			03/18/15 22:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1			03/18/15 22:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1			03/18/15 22:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1			03/18/15 22:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1			03/18/15 22:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1			03/18/15 22:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1			03/18/15 22:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1			03/18/15 22:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1			03/18/15 22:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1			03/18/15 22:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1			03/18/15 22:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1			03/18/15 22:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1			03/18/15 22:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1			03/18/15 22:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1			03/18/15 22:32	98-82-8	

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ANALYTICAL RESULTS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

Sample: TRIP BLANK		Lab ID: 50114441012		Collected: 03/12/15 09:00		Received: 03/14/15 10:08		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		03/18/15 22:32	99-87-6		
Methylene Chloride	ND	ug/L	5.0	1		03/18/15 22:32	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/18/15 22:32	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/18/15 22:32	1634-04-4		
n-Propylbenzene	ND	ug/L	5.0	1		03/18/15 22:32	103-65-1		
Styrene	ND	ug/L	5.0	1		03/18/15 22:32	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 22:32	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/18/15 22:32	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		03/18/15 22:32	127-18-4		
Toluene	ND	ug/L	5.0	1		03/18/15 22:32	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 22:32	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/18/15 22:32	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/18/15 22:32	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/18/15 22:32	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		03/18/15 22:32	79-01-6		
Trichlorofluoromethane	ND	ug/L	5.0	1		03/18/15 22:32	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/18/15 22:32	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 22:32	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/18/15 22:32	108-67-8		
Vinyl acetate	ND	ug/L	50.0	1		03/18/15 22:32	108-05-4		
Vinyl chloride	ND	ug/L	2.0	1		03/18/15 22:32	75-01-4		
Xylene (Total)	ND	ug/L	10.0	1		03/18/15 22:32	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	103	%.	79-116	1		03/18/15 22:32	1868-53-7		
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/18/15 22:32	460-00-4		
Toluene-d8 (S)	98	%.	81-110	1		03/18/15 22:32	2037-26-5		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

QC Batch: MERP/6193 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007, 50114441008, 50114441009, 50114441010, 50114441011

METHOD BLANK: 1258384 Matrix: Water
Associated Lab Samples: 50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007, 50114441008, 50114441009, 50114441010, 50114441011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	03/24/15 12:48	

LABORATORY CONTROL SAMPLE: 1258385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.4	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1258386 1258387

Parameter	Units	50114437016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.1	5.1	103	102	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1258388 1258389

Parameter	Units	50114441006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.7	4.9	95	98	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

QC Batch:	MPRP/15610	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
Associated Lab Samples:	50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007, 50114441008, 50114441009, 50114441010, 50114441011		

METHOD BLANK:	1256065	Matrix:	Water
Associated Lab Samples:	50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007, 50114441008, 50114441009, 50114441010, 50114441011		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	03/19/15 10:44	
Barium	ug/L	ND	10.0	03/19/15 10:44	
Cadmium	ug/L	ND	2.0	03/19/15 10:44	
Chromium	ug/L	ND	10.0	03/19/15 10:44	
Lead	ug/L	ND	10.0	03/19/15 10:44	
Selenium	ug/L	ND	10.0	03/19/15 10:44	
Silver	ug/L	ND	10.0	03/19/15 10:44	

LABORATORY CONTROL SAMPLE: 1256066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	1050	105	80-120	
Barium	ug/L	1000	1000	100	80-120	
Cadmium	ug/L	1000	1000	100	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Lead	ug/L	1000	968	97	80-120	
Selenium	ug/L	1000	1030	103	80-120	
Silver	ug/L	500	480	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1256067 1256068

Parameter	Units	50114441006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	27.1	1000	1000	1060	1100	103	107	75-125	4	20	
Barium	ug/L	43.0	1000	1000	994	1030	95	98	75-125	3	20	
Cadmium	ug/L	ND	1000	1000	971	1000	97	100	75-125	3	20	
Chromium	ug/L	ND	1000	1000	948	978	95	98	75-125	3	20	
Lead	ug/L	ND	1000	1000	908	937	91	94	75-125	3	20	
Selenium	ug/L	ND	1000	1000	1000	1030	100	103	75-125	3	20	
Silver	ug/L	ND	500	500	458	470	92	94	75-125	3	20	

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QUALITY CONTROL DATA

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

QC Batch: MSV/74566

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007

METHOD BLANK: 1255739

Matrix: Water

Associated Lab Samples: 50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	03/18/15 02:47	
1,1,1-Trichloroethane	ug/L	ND	5.0	03/18/15 02:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/18/15 02:47	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/18/15 02:47	
1,1-Dichloroethane	ug/L	ND	5.0	03/18/15 02:47	
1,1-Dichloroethene	ug/L	ND	5.0	03/18/15 02:47	
1,1-Dichloropropene	ug/L	ND	5.0	03/18/15 02:47	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	03/18/15 02:47	
1,2,3-Trichloropropane	ug/L	ND	5.0	03/18/15 02:47	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	03/18/15 02:47	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	03/18/15 02:47	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/18/15 02:47	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/18/15 02:47	
1,2-Dichloroethane	ug/L	ND	5.0	03/18/15 02:47	
1,2-Dichloropropane	ug/L	ND	5.0	03/18/15 02:47	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	03/18/15 02:47	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/18/15 02:47	
1,3-Dichloropropane	ug/L	ND	5.0	03/18/15 02:47	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/18/15 02:47	
2,2-Dichloropropane	ug/L	ND	5.0	03/18/15 02:47	
2-Butanone (MEK)	ug/L	ND	25.0	03/18/15 02:47	
2-Chlorotoluene	ug/L	ND	5.0	03/18/15 02:47	
2-Hexanone	ug/L	ND	25.0	03/18/15 02:47	
4-Chlorotoluene	ug/L	ND	5.0	03/18/15 02:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	03/18/15 02:47	
Acetone	ug/L	ND	100	03/18/15 02:47	
Acrolein	ug/L	ND	50.0	03/18/15 02:47	
Acrylonitrile	ug/L	ND	100	03/18/15 02:47	
Benzene	ug/L	ND	5.0	03/18/15 02:47	
Bromobenzene	ug/L	ND	5.0	03/18/15 02:47	
Bromochloromethane	ug/L	ND	5.0	03/18/15 02:47	
Bromodichloromethane	ug/L	ND	5.0	03/18/15 02:47	
Bromoform	ug/L	ND	5.0	03/18/15 02:47	
Bromomethane	ug/L	ND	5.0	03/18/15 02:47	
Carbon disulfide	ug/L	ND	10.0	03/18/15 02:47	
Carbon tetrachloride	ug/L	ND	5.0	03/18/15 02:47	
Chlorobenzene	ug/L	ND	5.0	03/18/15 02:47	
Chloroethane	ug/L	ND	5.0	03/18/15 02:47	
Chloroform	ug/L	ND	5.0	03/18/15 02:47	
Chloromethane	ug/L	ND	5.0	03/18/15 02:47	
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/18/15 02:47	

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QUALITY CONTROL DATA

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

METHOD BLANK: 1255739

Matrix: Water

Associated Lab Samples: 50114441001, 50114441002, 50114441003, 50114441004, 50114441005, 50114441006, 50114441007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/18/15 02:47	
Dibromochloromethane	ug/L	ND	5.0	03/18/15 02:47	
Dibromomethane	ug/L	ND	5.0	03/18/15 02:47	
Dichlorodifluoromethane	ug/L	ND	5.0	03/18/15 02:47	
Ethyl methacrylate	ug/L	ND	100	03/18/15 02:47	
Ethylbenzene	ug/L	ND	5.0	03/18/15 02:47	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	03/18/15 02:47	
Iodomethane	ug/L	ND	10.0	03/18/15 02:47	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	03/18/15 02:47	
Methyl-tert-butyl ether	ug/L	ND	4.0	03/18/15 02:47	
Methylene Chloride	ug/L	ND	5.0	03/18/15 02:47	
n-Butylbenzene	ug/L	ND	5.0	03/18/15 02:47	
n-Hexane	ug/L	ND	5.0	03/18/15 02:47	
n-Propylbenzene	ug/L	ND	5.0	03/18/15 02:47	
p-Isopropyltoluene	ug/L	ND	5.0	03/18/15 02:47	
sec-Butylbenzene	ug/L	ND	5.0	03/18/15 02:47	
Styrene	ug/L	ND	5.0	03/18/15 02:47	
tert-Butylbenzene	ug/L	ND	5.0	03/18/15 02:47	
Tetrachloroethene	ug/L	ND	5.0	03/18/15 02:47	
Toluene	ug/L	ND	5.0	03/18/15 02:47	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/18/15 02:47	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/18/15 02:47	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	03/18/15 02:47	
Trichloroethene	ug/L	ND	5.0	03/18/15 02:47	
Trichlorofluoromethane	ug/L	ND	5.0	03/18/15 02:47	
Vinyl acetate	ug/L	ND	50.0	03/18/15 02:47	
Vinyl chloride	ug/L	ND	2.0	03/18/15 02:47	
Xylene (Total)	ug/L	ND	10.0	03/18/15 02:47	
4-Bromofluorobenzene (S)	%	97	80-114	03/18/15 02:47	
Dibromofluoromethane (S)	%	101	79-116	03/18/15 02:47	
Toluene-d8 (S)	%	99	81-110	03/18/15 02:47	

LABORATORY CONTROL SAMPLE: 1255740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.0	92	61-135	
1,1,1-Trichloroethane	ug/L	50	45.9	92	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	41.4	83	66-126	
1,1,2-Trichloroethane	ug/L	50	42.3	85	77-130	
1,1-Dichloroethane	ug/L	50	43.9	88	75-130	
1,1-Dichloroethene	ug/L	50	43.4	87	68-127	
1,1-Dichloropropene	ug/L	50	45.0	90	78-130	
1,2,3-Trichlorobenzene	ug/L	50	39.4	79	70-130	
1,2,3-Trichloropropane	ug/L	50	42.4	85	58-142	

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QUALITY CONTROL DATA

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

LABORATORY CONTROL SAMPLE: 1255740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.8	78	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.4	101	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	45.0	90	76-125	
1,2-Dichlorobenzene	ug/L	50	44.7	89	75-123	
1,2-Dichloroethane	ug/L	50	42.0	84	75-128	
1,2-Dichloropropane	ug/L	50	44.6	89	74-121	
1,3,5-Trimethylbenzene	ug/L	50	47.3	95	70-126	
1,3-Dichlorobenzene	ug/L	50	43.7	87	74-122	
1,3-Dichloropropane	ug/L	50	43.1	86	74-123	
1,4-Dichlorobenzene	ug/L	50	42.1	84	76-120	
2,2-Dichloropropane	ug/L	50	38.1	76	50-137	
2-Butanone (MEK)	ug/L	250	217	87	58-139	
2-Chlorotoluene	ug/L	50	42.8	86	74-122	
2-Hexanone	ug/L	250	232	93	54-140	
4-Chlorotoluene	ug/L	50	42.8	86	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	231	92	58-138	
Acetone	ug/L	250	216	86	49-150	
Acrolein	ug/L	1000	690	69	41-200	
Acrylonitrile	ug/L	1000	910	91	63-137	
Benzene	ug/L	50	43.5	87	74-122	
Bromobenzene	ug/L	50	43.8	88	72-127	
Bromochloromethane	ug/L	50	44.7	89	63-132	
Bromodichloromethane	ug/L	50	41.9	84	62-136	
Bromoform	ug/L	50	43.0	86	44-134	
Bromomethane	ug/L	50	63.7	127	22-181	
Carbon disulfide	ug/L	100	89.6	90	59-132	
Carbon tetrachloride	ug/L	50	49.2	98	56-137	
Chlorobenzene	ug/L	50	42.3	85	78-123	
Chloroethane	ug/L	50	59.5	119	60-144	
Chloroform	ug/L	50	39.7	79	78-126	
Chloromethane	ug/L	50	40.9	82	42-134	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	75-122	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	64-126	
Dibromochloromethane	ug/L	50	41.7	83	58-128	
Dibromomethane	ug/L	50	43.5	87	73-125	
Dichlorodifluoromethane	ug/L	50	49.1	98	35-181	
Ethyl methacrylate	ug/L	200	205	102	69-133	
Ethylbenzene	ug/L	50	42.9	86	66-133	
Hexachloro-1,3-butadiene	ug/L	50	44.1	88	59-145	
Iodomethane	ug/L	100	89.6	90	21-170	
Isopropylbenzene (Cumene)	ug/L	50	49.1	98	69-124	
Methyl-tert-butyl ether	ug/L	100	88.3	88	69-122	
Methylene Chloride	ug/L	50	43.6	87	68-132	
n-Butylbenzene	ug/L	50	43.4	87	70-126	
n-Hexane	ug/L	50	44.8	90	51-125	
n-Propylbenzene	ug/L	50	48.5	97	71-122	
p-Isopropyltoluene	ug/L	50	50.0	100	72-132	

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

LABORATORY CONTROL SAMPLE: 1255740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/L	50	51.9	104	70-128	
Styrene	ug/L	50	46.4	93	74-126	
tert-Butylbenzene	ug/L	50	38.9	78	51-118	
Tetrachloroethene	ug/L	50	42.1	84	69-130	
Toluene	ug/L	50	42.9	86	72-122	
trans-1,2-Dichloroethene	ug/L	50	42.2	84	72-124	
trans-1,3-Dichloropropene	ug/L	50	41.2	82	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	150	75	56-133	
Trichloroethene	ug/L	50	41.5	83	76-126	
Trichlorofluoromethane	ug/L	50	45.4	91	76-149	
Vinyl acetate	ug/L	200	196	98	45-151	
Vinyl chloride	ug/L	50	46.2	92	59-126	
Xylene (Total)	ug/L	150	134	89	70-124	
4-Bromofluorobenzene (S)	%			98	80-114	
Dibromofluoromethane (S)	%			100	79-116	
Toluene-d8 (S)	%			100	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255741 1255742

Parameter	Units	50114441006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	46.5	46.4	93	93	50-132	0	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	54.3	50.6	109	101	60-138	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	38.6	36.2	77	72	55-128	7	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	39.9	38.6	80	77	61-139	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	46.1	41.4	92	83	57-147	11	20	
1,1-Dichloroethene	ug/L	ND	50	50	49.0	43.1	98	86	55-145	13	20	
1,1-Dichloropropene	ug/L	ND	50	50	47.1	44.3	94	89	55-147	6	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	31.5	33.1	63	66	31-141	5	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	42.0	40.5	84	81	58-133	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	30.7	31.3	61	63	25-143	2	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	41.9	44.2	84	88	18-149	5	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	43.0	40.8	86	82	63-129	5	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	38.2	39.8	76	80	38-136	4	20	
1,2-Dichloroethane	ug/L	ND	50	50	46.0	43.5	92	87	62-138	6	20	
1,2-Dichloropropane	ug/L	ND	50	50	42.3	39.7	85	79	59-130	6	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	42.6	43.3	85	87	20-147	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	36.0	38.3	72	77	28-141	6	20	
1,3-Dichloropropane	ug/L	ND	50	50	41.6	37.8	83	76	62-127	9	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	34.0	36.3	68	73	30-139	6	20	
2,2-Dichloropropane	ug/L	ND	50	50	34.9	32.4	70	65	37-139	7	20	
2-Butanone (MEK)	ug/L	ND	250	250	209	186	84	74	37-156	12	20	
2-Chlorotoluene	ug/L	ND	50	50	36.8	38.7	74	77	27-142	5	20	
2-Hexanone	ug/L	ND	250	250	194	197	78	79	44-143	2	20	
4-Chlorotoluene	ug/L	ND	50	50	36.2	38.3	72	77	27-144	6	20	

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255741 1255742											
Parameter	Units	50114441006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	195	193	78	77	46-144	1	20
Acetone	ug/L	ND	250	250	224	198	89	79	39-156	12	20
Acrolein	ug/L	ND	1000	1000	750	682	75	68	33-200	10	20
Acrylonitrile	ug/L	ND	1000	1000	863	775	86	77	48-149	11	20
Benzene	ug/L	ND	50	50	41.6	39.6	83	79	62-129	5	20
Bromobenzene	ug/L	ND	50	50	35.8	39.0	72	78	39-140	8	20
Bromochloromethane	ug/L	ND	50	50	47.9	41.9	96	84	49-142	13	20
Bromodichloromethane	ug/L	ND	50	50	43.8	42.5	88	85	50-142	3	20
Bromoform	ug/L	ND	50	50	43.2	42.1	86	84	36-125	3	20
Bromomethane	ug/L	ND	50	50	80.3	85.3	161	171	13-179	6	20
Carbon disulfide	ug/L	ND	100	100	90.5	82.1	90	82	45-142	10	20
Carbon tetrachloride	ug/L	ND	50	50	59.7	56.2	119	112	46-142	6	20
Chlorobenzene	ug/L	ND	50	50	36.4	38.4	73	77	49-136	5	20
Chloroethane	ug/L	ND	50	50	62.3	55.6	125	111	47-160	11	20
Chloroform	ug/L	ND	50	50	44.9	40.6	90	81	54-150	10	20
Chloromethane	ug/L	ND	50	50	38.9	38.6	78	77	30-148	1	20
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.0	44.3	100	89	60-135	12	20
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.3	42.7	85	85	52-123	1	20
Dibromochloromethane	ug/L	ND	50	50	42.2	41.9	84	84	48-125	1	20
Dibromomethane	ug/L	ND	50	50	44.1	41.2	88	82	59-134	7	20
Dichlorodifluoromethane	ug/L	ND	50	50	60.6	51.4	121	103	24-197	16	20
Ethyl methacrylate	ug/L	ND	200	200	180	175	90	87	55-139	3	20
Ethylbenzene	ug/L	ND	50	50	39.1	40.1	78	80	28-153	3	20
Hexachloro-1,3-butadiene	ug/L	ND	50	50	43.8	39.3	88	79	10-176	11	20
Iodomethane	ug/L	ND	100	100	95.9	96.7	96	97	17-157	1	20
Isopropylbenzene (Cumene)	ug/L	ND	50	50	44.4	46.8	89	94	18-152	5	20
Methyl-tert-butyl ether	ug/L	ND	100	100	85.2	79.6	85	80	63-130	7	20
Methylene Chloride	ug/L	ND	50	50	42.8	38.4	86	77	45-156	11	20
n-Butylbenzene	ug/L	ND	50	50	34.1	35.3	68	71	10-161	3	20
n-Hexane	ug/L	ND	50	50	36.8	31.3	74	63	33-144	16	20
n-Propylbenzene	ug/L	ND	50	50	41.7	42.8	83	86	16-150	3	20
p-Isopropyltoluene	ug/L	ND	50	50	43.8	43.9	88	88	10-163	0	20
sec-Butylbenzene	ug/L	ND	50	50	45.5	46.5	91	93	10-160	2	20
Styrene	ug/L	ND	50	50	37.0	40.4	74	81	36-139	9	20
tert-Butylbenzene	ug/L	ND	50	50	37.0	37.5	74	75	12-134	1	20
Tetrachloroethene	ug/L	ND	50	50	40.7	40.5	81	81	33-151	0	20
Toluene	ug/L	ND	50	50	37.9	39.3	75	78	50-132	4	20
trans-1,2-Dichloroethene	ug/L	ND	50	50	44.4	39.9	89	80	40-153	11	20
trans-1,3-Dichloropropene	ug/L	ND	50	50	35.4	37.3	71	75	48-122	5	20
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	135	140	68	70	32-139	4	20
Trichloroethene	ug/L	ND	50	50	41.1	40.8	82	82	50-143	1	20
Trichlorofluoromethane	ug/L	ND	50	50	57.2	50.9	114	102	60-175	12	20
Vinyl acetate	ug/L	ND	200	200	117	112	59	56	17-142	4	20
Vinyl chloride	ug/L	ND	50	50	46.6	43.5	93	87	44-145	7	20
Xylene (Total)	ug/L	ND	150	150	118	123	79	82	29-145	5	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255741 1255742												
Parameter	Units	50114441006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
4-Bromofluorobenzene (S)	%.						95	100	80-114			
Dibromofluoromethane (S)	%.						111	106	79-116			
Toluene-d8 (S)	%.						94	97	81-110			

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

QC Batch: MSV/74615

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 50114441008, 50114441009, 50114441010, 50114441011, 50114441012

METHOD BLANK: 1256785

Matrix: Water

Associated Lab Samples: 50114441008, 50114441009, 50114441010, 50114441011, 50114441012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	03/18/15 15:11	
1,1,1-Trichloroethane	ug/L	ND	5.0	03/18/15 15:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/18/15 15:11	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/18/15 15:11	
1,1-Dichloroethane	ug/L	ND	5.0	03/18/15 15:11	
1,1-Dichloroethene	ug/L	ND	5.0	03/18/15 15:11	
1,1-Dichloropropene	ug/L	ND	5.0	03/18/15 15:11	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	03/18/15 15:11	
1,2,3-Trichloropropane	ug/L	ND	5.0	03/18/15 15:11	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	03/18/15 15:11	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	03/18/15 15:11	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/18/15 15:11	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/18/15 15:11	
1,2-Dichloroethane	ug/L	ND	5.0	03/18/15 15:11	
1,2-Dichloropropane	ug/L	ND	5.0	03/18/15 15:11	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	03/18/15 15:11	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/18/15 15:11	
1,3-Dichloropropane	ug/L	ND	5.0	03/18/15 15:11	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/18/15 15:11	
2,2-Dichloropropane	ug/L	ND	5.0	03/18/15 15:11	
2-Butanone (MEK)	ug/L	ND	25.0	03/18/15 15:11	
2-Chlorotoluene	ug/L	ND	5.0	03/18/15 15:11	
2-Hexanone	ug/L	ND	25.0	03/18/15 15:11	
4-Chlorotoluene	ug/L	ND	5.0	03/18/15 15:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	03/18/15 15:11	
Acetone	ug/L	ND	100	03/18/15 15:11	
Acrolein	ug/L	ND	50.0	03/18/15 15:11	
Acrylonitrile	ug/L	ND	100	03/18/15 15:11	
Benzene	ug/L	ND	5.0	03/18/15 15:11	
Bromobenzene	ug/L	ND	5.0	03/18/15 15:11	
Bromochloromethane	ug/L	ND	5.0	03/18/15 15:11	
Bromodichloromethane	ug/L	ND	5.0	03/18/15 15:11	
Bromoform	ug/L	ND	5.0	03/18/15 15:11	
Bromomethane	ug/L	ND	5.0	03/18/15 15:11	
Carbon disulfide	ug/L	ND	10.0	03/18/15 15:11	
Carbon tetrachloride	ug/L	ND	5.0	03/18/15 15:11	
Chlorobenzene	ug/L	ND	5.0	03/18/15 15:11	
Chloroethane	ug/L	ND	5.0	03/18/15 15:11	
Chloroform	ug/L	ND	5.0	03/18/15 15:11	
Chloromethane	ug/L	ND	5.0	03/18/15 15:11	
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/18/15 15:11	

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

METHOD BLANK: 1256785

Matrix: Water

Associated Lab Samples: 50114441008, 50114441009, 50114441010, 50114441011, 50114441012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/18/15 15:11	
Dibromochloromethane	ug/L	ND	5.0	03/18/15 15:11	
Dibromomethane	ug/L	ND	5.0	03/18/15 15:11	
Dichlorodifluoromethane	ug/L	ND	5.0	03/18/15 15:11	
Ethyl methacrylate	ug/L	ND	100	03/18/15 15:11	
Ethylbenzene	ug/L	ND	5.0	03/18/15 15:11	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	03/18/15 15:11	
Iodomethane	ug/L	ND	10.0	03/18/15 15:11	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	03/18/15 15:11	
Methyl-tert-butyl ether	ug/L	ND	4.0	03/18/15 15:11	
Methylene Chloride	ug/L	ND	5.0	03/18/15 15:11	
n-Butylbenzene	ug/L	ND	5.0	03/18/15 15:11	
n-Hexane	ug/L	ND	5.0	03/18/15 15:11	
n-Propylbenzene	ug/L	ND	5.0	03/18/15 15:11	
p-Isopropyltoluene	ug/L	ND	5.0	03/18/15 15:11	
sec-Butylbenzene	ug/L	ND	5.0	03/18/15 15:11	
Styrene	ug/L	ND	5.0	03/18/15 15:11	
tert-Butylbenzene	ug/L	ND	5.0	03/18/15 15:11	
Tetrachloroethene	ug/L	ND	5.0	03/18/15 15:11	
Toluene	ug/L	ND	5.0	03/18/15 15:11	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/18/15 15:11	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/18/15 15:11	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	03/18/15 15:11	
Trichloroethene	ug/L	ND	5.0	03/18/15 15:11	
Trichlorofluoromethane	ug/L	ND	5.0	03/18/15 15:11	
Vinyl acetate	ug/L	ND	50.0	03/18/15 15:11	
Vinyl chloride	ug/L	ND	2.0	03/18/15 15:11	
Xylene (Total)	ug/L	ND	10.0	03/18/15 15:11	
4-Bromofluorobenzene (S)	%	96	80-114	03/18/15 15:11	
Dibromofluoromethane (S)	%	98	79-116	03/18/15 15:11	
Toluene-d8 (S)	%	99	81-110	03/18/15 15:11	

LABORATORY CONTROL SAMPLE: 1256786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.1	96	61-135	
1,1,1-Trichloroethane	ug/L	50	48.4	97	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	40.4	81	66-126	
1,1,2-Trichloroethane	ug/L	50	41.9	84	77-130	
1,1-Dichloroethane	ug/L	50	43.5	87	75-130	
1,1-Dichloroethene	ug/L	50	42.7	85	68-127	
1,1-Dichloropropene	ug/L	50	45.3	91	78-130	
1,2,3-Trichlorobenzene	ug/L	50	42.6	85	70-130	
1,2,3-Trichloropropane	ug/L	50	42.9	86	58-142	

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QUALITY CONTROL DATA

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

LABORATORY CONTROL SAMPLE: 1256786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.8	86	68-131	
1,2,4-Trimethylbenzene	ug/L	50	52.4	105	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	45.3	91	76-125	
1,2-Dichlorobenzene	ug/L	50	46.2	92	75-123	
1,2-Dichloroethane	ug/L	50	43.7	87	75-128	
1,2-Dichloropropane	ug/L	50	42.3	85	74-121	
1,3,5-Trimethylbenzene	ug/L	50	50.1	100	70-126	
1,3-Dichlorobenzene	ug/L	50	46.4	93	74-122	
1,3-Dichloropropane	ug/L	50	42.0	84	74-123	
1,4-Dichlorobenzene	ug/L	50	44.3	89	76-120	
2,2-Dichloropropane	ug/L	50	52.3	105	50-137	
2-Butanone (MEK)	ug/L	250	231	93	58-139	
2-Chlorotoluene	ug/L	50	44.6	89	74-122	
2-Hexanone	ug/L	250	229	91	54-140	
4-Chlorotoluene	ug/L	50	45.1	90	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	219	87	58-138	
Acetone	ug/L	250	275	110	49-150	
Acrolein	ug/L	1000	556	56	41-200	
Acrylonitrile	ug/L	1000	844	84	63-137	
Benzene	ug/L	50	42.5	85	74-122	
Bromobenzene	ug/L	50	45.3	91	72-127	
Bromochloromethane	ug/L	50	43.9	88	63-132	
Bromodichloromethane	ug/L	50	42.9	86	62-136	
Bromoform	ug/L	50	44.5	89	44-134	
Bromomethane	ug/L	50	80.2	160	22-181	
Carbon disulfide	ug/L	100	87.3	87	59-132	
Carbon tetrachloride	ug/L	50	51.2	102	56-137	
Chlorobenzene	ug/L	50	43.2	86	78-123	
Chloroethane	ug/L	50	53.1	106	60-144	
Chloroform	ug/L	50	41.2	82	78-126	
Chloromethane	ug/L	50	38.6	77	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.9	92	75-122	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	64-126	
Dibromochloromethane	ug/L	50	43.1	86	58-128	
Dibromomethane	ug/L	50	43.1	86	73-125	
Dichlorodifluoromethane	ug/L	50	51.0	102	35-181	
Ethyl methacrylate	ug/L	200	194	97	69-133	
Ethylbenzene	ug/L	50	44.7	89	66-133	
Hexachloro-1,3-butadiene	ug/L	50	54.0	108	59-145	
Iodomethane	ug/L	100	102	102	21-170	
Isopropylbenzene (Cumene)	ug/L	50	51.1	102	69-124	
Methyl-tert-butyl ether	ug/L	100	87.5	88	69-122	
Methylene Chloride	ug/L	50	40.9	82	68-132	
n-Butylbenzene	ug/L	50	45.7	91	70-126	
n-Hexane	ug/L	50	46.1	92	51-125	
n-Propylbenzene	ug/L	50	49.8	100	71-122	
p-Isopropyltoluene	ug/L	50	52.2	104	72-132	

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

LABORATORY CONTROL SAMPLE: 1256786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/L	50	53.8	108	70-128	
Styrene	ug/L	50	47.9	96	74-126	
tert-Butylbenzene	ug/L	50	40.6	81	51-118	
Tetrachloroethene	ug/L	50	44.6	89	69-130	
Toluene	ug/L	50	43.4	87	72-122	
trans-1,2-Dichloroethene	ug/L	50	41.1	82	72-124	
trans-1,3-Dichloropropene	ug/L	50	42.5	85	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	176	88	56-133	
Trichloroethene	ug/L	50	42.3	85	76-126	
Trichlorofluoromethane	ug/L	50	47.0	94	76-149	
Vinyl acetate	ug/L	200	188	94	45-151	
Vinyl chloride	ug/L	50	42.2	84	59-126	
Xylene (Total)	ug/L	150	139	92	70-124	
4-Bromofluorobenzene (S)	%			97	80-114	
Dibromofluoromethane (S)	%			99	79-116	
Toluene-d8 (S)	%			99	81-110	

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

QC Batch: OEXT/38691

Analysis Method: EPA 8270 by SIM LVE

QC Batch Method: EPA 3510

Analysis Description: 8270 Water PAH LV by SIM MSSV

Associated Lab Samples: 50114441001, 50114441002, 50114441003

METHOD BLANK: 1255183

Matrix: Water

Associated Lab Samples: 50114441001, 50114441002, 50114441003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	03/18/15 07:29	
2-Methylnaphthalene	ug/L	ND	1.0	03/18/15 07:29	
Acenaphthene	ug/L	ND	1.0	03/18/15 07:29	
Acenaphthylene	ug/L	ND	1.0	03/18/15 07:29	
Anthracene	ug/L	ND	0.10	03/18/15 07:29	
Benzo(a)anthracene	ug/L	ND	0.10	03/18/15 07:29	
Benzo(a)pyrene	ug/L	ND	0.10	03/18/15 07:29	
Benzo(b)fluoranthene	ug/L	ND	0.10	03/18/15 07:29	
Benzo(g,h,i)perylene	ug/L	ND	0.10	03/18/15 07:29	
Benzo(k)fluoranthene	ug/L	ND	0.10	03/18/15 07:29	
Chrysene	ug/L	ND	0.50	03/18/15 07:29	
Dibenz(a,h)anthracene	ug/L	ND	0.10	03/18/15 07:29	
Fluoranthene	ug/L	ND	1.0	03/18/15 07:29	
Fluorene	ug/L	ND	1.0	03/18/15 07:29	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	03/18/15 07:29	
Naphthalene	ug/L	ND	1.0	03/18/15 07:29	
Phenanthrene	ug/L	ND	1.0	03/18/15 07:29	
Pyrene	ug/L	ND	1.0	03/18/15 07:29	
2-Fluorobiphenyl (S)	%	54	21-114	03/18/15 07:29	
p-Terphenyl-d14 (S)	%	63	25-131	03/18/15 07:29	

LABORATORY CONTROL SAMPLE: 1255184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	4.7	47	29-112	
2-Methylnaphthalene	ug/L	10	4.3	43	29-110	
Acenaphthene	ug/L	10	5.5	55	39-117	
Acenaphthylene	ug/L	10	6.1	61	40-120	
Anthracene	ug/L	10	7.0	70	48-126	
Benzo(a)anthracene	ug/L	10	7.7	77	51-134	
Benzo(a)pyrene	ug/L	10	6.4	64	48-141	
Benzo(b)fluoranthene	ug/L	10	6.4	64	49-139	
Benzo(g,h,i)perylene	ug/L	10	4.4	44	44-134	
Benzo(k)fluoranthene	ug/L	10	5.8	58	48-140	
Chrysene	ug/L	10	6.8	68	53-136	
Dibenz(a,h)anthracene	ug/L	10	4.6	46	44-132	
Fluoranthene	ug/L	10	7.5	75	50-135	
Fluorene	ug/L	10	6.1	61	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	4.9	49	45-132	
Naphthalene	ug/L	10	4.5	45	30-112	

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QUALITY CONTROL DATA

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

LABORATORY CONTROL SAMPLE: 1255184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	6.5	65	47-128	
Pyrene	ug/L	10	7.0	70	50-134	
2-Fluorobiphenyl (S)	%			48	21-114	
p-Terphenyl-d14 (S)	%			64	25-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255185 1255186

Parameter	Units	50114296002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	ND	10	10	5.1	5.1	51	51	10-135	1	20	
2-Methylnaphthalene	ug/L	ND	10	10	4.8	4.8	48	48	16-116	0	20	
Acenaphthene	ug/L	ND	10	10	5.7	5.6	57	56	28-116	2	20	
Acenaphthylene	ug/L	ND	10	10	6.3	6.1	63	61	34-115	3	20	
Anthracene	ug/L	ND	10	10	6.9	6.4	69	64	39-121	9	20	
Benzo(a)anthracene	ug/L	ND	10	10	6.4	5.6	64	56	31-127	12	20	
Benzo(a)pyrene	ug/L	ND	10	10	4.1	3.3	41	33	10-121	20	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	3.8	3.2	38	32	10-119	18	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	2.9	2.2	29	22	10-108	29	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	4.1	3.4	41	34	10-118	17	20	
Chrysene	ug/L	ND	10	10	5.7	5.0	57	50	32-127	13	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.0	2.3	30	23	10-104	27	20	R1
Fluoranthene	ug/L	ND	10	10	7.3	6.6	73	66	38-131	9	20	
Fluorene	ug/L	ND	10	10	6.2	5.9	62	59	33-121	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.0	2.3	30	23	10-108	25	20	R1
Naphthalene	ug/L	ND	10	10	5.1	5.0	51	50	16-119	1	20	
Phenanthrene	ug/L	ND	10	10	6.4	6.0	64	60	32-130	6	20	
Pyrene	ug/L	ND	10	10	6.8	6.3	68	63	39-131	8	20	
2-Fluorobiphenyl (S)	%						57	54	21-114			
p-Terphenyl-d14 (S)	%						47	45	25-131			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255187 1255188

Parameter	Units	50114343005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	ND	10	10	5.7	6.0	57	60	10-135	5	20	
2-Methylnaphthalene	ug/L	ND	10	10	5.4	5.7	54	57	16-116	5	20	
Acenaphthene	ug/L	ND	10	10	6.2	6.4	62	64	28-116	4	20	
Acenaphthylene	ug/L	ND	10	10	6.8	7.0	68	70	34-115	3	20	
Anthracene	ug/L	ND	10	10	7.3	7.4	73	74	39-121	2	20	
Benzo(a)anthracene	ug/L	ND	10	10	7.3	7.1	73	71	31-127	2	20	
Benzo(a)pyrene	ug/L	ND	10	10	4.9	4.5	49	45	10-121	8	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	4.5	4.5	45	45	10-119	1	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	2.7	2.3	27	23	10-108	19	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	4.7	4.4	47	44	10-118	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255187 1255188											
Parameter	Units	50114343005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Chrysene	ug/L	ND	10	10	6.3	6.3	63	63	32-127	1	20
Dibenz(a,h)anthracene	ug/L	ND	10	10	2.8	2.3	28	23	10-104	20	20
Fluoranthene	ug/L	ND	10	10	7.6	7.8	76	78	38-131	2	20
Fluorene	ug/L	ND	10	10	6.6	6.9	66	69	33-121	3	20
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.0	2.4	30	24	10-108	20	20
Naphthalene	ug/L	ND	10	10	5.6	5.9	56	59	16-119	5	20
Phenanthrene	ug/L	ND	10	10	6.7	6.9	67	69	32-130	2	20
Pyrene	ug/L	ND	10	10	7.2	7.3	72	73	39-131	1	20
2-Fluorobiphenyl (S)	%.						62	62	21-114		
p-Terphenyl-d14 (S)	%.						59	57	25-131		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

QC Batch: OEXT/38703

Analysis Method: EPA 8270 by SIM LVE

QC Batch Method: EPA 3510

Analysis Description: 8270 Water PAH LV by SIM MSSV

Associated Lab Samples: 50114441004, 50114441005, 50114441006, 50114441007, 50114441008

METHOD BLANK: 1255551

Matrix: Water

Associated Lab Samples: 50114441004, 50114441005, 50114441006, 50114441007, 50114441008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	03/18/15 22:09	
2-Methylnaphthalene	ug/L	ND	1.0	03/18/15 22:09	
Acenaphthene	ug/L	ND	1.0	03/18/15 22:09	
Acenaphthylene	ug/L	ND	1.0	03/18/15 22:09	
Anthracene	ug/L	ND	0.10	03/18/15 22:09	
Benzo(a)anthracene	ug/L	ND	0.10	03/18/15 22:09	
Benzo(a)pyrene	ug/L	ND	0.10	03/18/15 22:09	
Benzo(b)fluoranthene	ug/L	ND	0.10	03/18/15 22:09	
Benzo(g,h,i)perylene	ug/L	ND	0.10	03/18/15 22:09	
Benzo(k)fluoranthene	ug/L	ND	0.10	03/18/15 22:09	
Chrysene	ug/L	ND	0.50	03/18/15 22:09	
Dibenz(a,h)anthracene	ug/L	ND	0.10	03/18/15 22:09	
Fluoranthene	ug/L	ND	1.0	03/18/15 22:09	
Fluorene	ug/L	ND	1.0	03/18/15 22:09	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	03/18/15 22:09	
Naphthalene	ug/L	ND	1.0	03/18/15 22:09	
Phenanthrene	ug/L	ND	1.0	03/18/15 22:09	
Pyrene	ug/L	ND	1.0	03/18/15 22:09	
2-Fluorobiphenyl (S)	%	55	21-114	03/18/15 22:09	
p-Terphenyl-d14 (S)	%	70	25-131	03/18/15 22:09	

LABORATORY CONTROL SAMPLE: 1255552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	4.1	41	29-112	
2-Methylnaphthalene	ug/L	10	3.6	36	29-110	
Acenaphthene	ug/L	10	5.8	58	39-117	
Acenaphthylene	ug/L	10	6.2	62	40-120	
Anthracene	ug/L	10	7.3	73	48-126	
Benzo(a)anthracene	ug/L	10	7.8	78	51-134	
Benzo(a)pyrene	ug/L	10	7.2	72	48-141	
Benzo(b)fluoranthene	ug/L	10	7.1	71	49-139	
Benzo(g,h,i)perylene	ug/L	10	5.7	57	44-134	
Benzo(k)fluoranthene	ug/L	10	7.2	72	48-140	
Chrysene	ug/L	10	7.4	74	53-136	
Dibenz(a,h)anthracene	ug/L	10	5.7	57	44-132	
Fluoranthene	ug/L	10	7.7	77	50-135	
Fluorene	ug/L	10	6.4	64	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	5.9	59	45-132	
Naphthalene	ug/L	10	4.7	47	30-112	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

LABORATORY CONTROL SAMPLE: 1255552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	6.9	69	47-128	
Pyrene	ug/L	10	7.2	72	50-134	
2-Fluorobiphenyl (S)	%			48	21-114	
p-Terphenyl-d14 (S)	%			73	25-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1255553 1255554

Parameter	Units	50114441006		MSD		MS		MSD		% Rec		Max	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MSD % Rec	Limits	RPD	RPD	Qual
1-Methylnaphthalene	ug/L	ND	10.5	10	5.5	5.5	52	55	55	10-135	0	20	
2-Methylnaphthalene	ug/L	ND	10.5	10	5.2	5.2	49	52	52	16-116	0	20	
Acenaphthene	ug/L	ND	10.5	10	6.1	6.1	58	61	61	28-116	1	20	
Acenaphthylene	ug/L	ND	10.5	10	6.5	6.5	62	65	65	34-115	0	20	
Anthracene	ug/L	ND	10.5	10	7.2	7.4	69	74	74	39-121	2	20	
Benzo(a)anthracene	ug/L	ND	10.5	10	6.7	6.7	63	67	67	31-127	1	20	
Benzo(a)pyrene	ug/L	ND	10.5	10	4.7	4.6	45	46	46	10-121	2	20	
Benzo(b)fluoranthene	ug/L	ND	10.5	10	4.9	4.8	46	48	48	10-119	2	20	
Benzo(g,h,i)perylene	ug/L	ND	10.5	10	3.1	2.9	29	29	29	10-108	6	20	
Benzo(k)fluoranthene	ug/L	ND	10.5	10	4.7	4.4	45	44	44	10-118	7	20	
Chrysene	ug/L	ND	10.5	10	6.2	6.1	59	61	61	32-127	3	20	
Dibenz(a,h)anthracene	ug/L	ND	10.5	10	3.1	3.0	30	30	30	10-104	4	20	
Fluoranthene	ug/L	ND	10.5	10	7.6	7.8	73	78	78	38-131	2	20	
Fluorene	ug/L	ND	10.5	10	6.8	6.8	64	68	68	33-121	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.5	10	3.2	3.1	31	31	31	10-108	5	20	
Naphthalene	ug/L	ND	10.5	10	5.4	5.5	52	55	55	16-119	1	20	
Phenanthrene	ug/L	ND	10.5	10	6.9	7.1	66	71	71	32-130	3	20	
Pyrene	ug/L	ND	10.5	10	7.1	7.3	68	73	73	39-131	2	20	
2-Fluorobiphenyl (S)	%						60	63	63	21-114			
p-Terphenyl-d14 (S)	%						42	46	46	25-131			

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QUALITY CONTROL DATA

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

QC Batch: OEXT/38709

Analysis Method: EPA 8270 by SIM LVE

QC Batch Method: EPA 3510

Analysis Description: 8270 Water PAH LV by SIM MSSV

Associated Lab Samples: 50114441009, 50114441010, 50114441011

METHOD BLANK: 1255985

Matrix: Water

Associated Lab Samples: 50114441009, 50114441010, 50114441011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	03/18/15 15:08	
2-Methylnaphthalene	ug/L	ND	1.0	03/18/15 15:08	
Acenaphthene	ug/L	ND	1.0	03/18/15 15:08	
Acenaphthylene	ug/L	ND	1.0	03/18/15 15:08	
Anthracene	ug/L	ND	0.10	03/18/15 15:08	
Benzo(a)anthracene	ug/L	ND	0.10	03/18/15 15:08	
Benzo(a)pyrene	ug/L	ND	0.10	03/18/15 15:08	
Benzo(b)fluoranthene	ug/L	ND	0.10	03/18/15 15:08	
Benzo(g,h,i)perylene	ug/L	ND	0.10	03/18/15 15:08	
Benzo(k)fluoranthene	ug/L	ND	0.10	03/18/15 15:08	
Chrysene	ug/L	ND	0.50	03/18/15 15:08	
Dibenz(a,h)anthracene	ug/L	ND	0.10	03/18/15 15:08	
Fluoranthene	ug/L	ND	1.0	03/18/15 15:08	
Fluorene	ug/L	ND	1.0	03/18/15 15:08	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	03/18/15 15:08	
Naphthalene	ug/L	ND	1.0	03/18/15 15:08	
Phenanthrene	ug/L	ND	1.0	03/18/15 15:08	
Pyrene	ug/L	ND	1.0	03/18/15 15:08	
2-Fluorobiphenyl (S)	%	62	21-114	03/18/15 15:08	
p-Terphenyl-d14 (S)	%	81	25-131	03/18/15 15:08	

LABORATORY CONTROL SAMPLE: 1255986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	4.8	48	29-112	
2-Methylnaphthalene	ug/L	10	4.4	44	29-110	
Acenaphthene	ug/L	10	5.5	55	39-117	
Acenaphthylene	ug/L	10	6.0	60	40-120	
Anthracene	ug/L	10	6.9	69	48-126	
Benzo(a)anthracene	ug/L	10	7.7	77	51-134	
Benzo(a)pyrene	ug/L	10	7.2	72	48-141	
Benzo(b)fluoranthene	ug/L	10	6.8	68	49-139	
Benzo(g,h,i)perylene	ug/L	10	5.7	57	44-134	
Benzo(k)fluoranthene	ug/L	10	7.1	71	48-140	
Chrysene	ug/L	10	7.3	73	53-136	
Dibenz(a,h)anthracene	ug/L	10	5.7	57	44-132	
Fluoranthene	ug/L	10	7.4	74	50-135	
Fluorene	ug/L	10	6.1	61	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	5.9	59	45-132	
Naphthalene	ug/L	10	4.8	48	30-112	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Frm Jasper Power Plant

Pace Project No.: 50114441

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.

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.

ANALYTE QUALIFIERS

1d Surrogate recovery is below control limits. No more sample remains for re-extraction and analysis. Compounds associated with this surrogate may be biased low.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Frn Jasper Power Plant

Pace Project No.: 50114441

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50114441001	B-2	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441002	B-3	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441003	B-6	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441004	B-7	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441005	B-8	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441006	B-9	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441007	B-10	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441008	B-11	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441009	B-13	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441010	B-16	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441011	BLIND DUPLICATE	EPA 3010	MPRP/15610	EPA 6010	ICP/18922
50114441001	B-2	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441002	B-3	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441003	B-6	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441004	B-7	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441005	B-8	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441006	B-9	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441007	B-10	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441008	B-11	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441009	B-13	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441010	B-16	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441011	BLIND DUPLICATE	EPA 7470	MERP/6193	EPA 7470	MERC/7015
50114441001	B-2	EPA 3510	OEXT/38691	EPA 8270 by SIM LVE	MSSV/17468
50114441002	B-3	EPA 3510	OEXT/38691	EPA 8270 by SIM LVE	MSSV/17468
50114441003	B-6	EPA 3510	OEXT/38691	EPA 8270 by SIM LVE	MSSV/17468
50114441004	B-7	EPA 3510	OEXT/38703	EPA 8270 by SIM LVE	MSSV/17478
50114441005	B-8	EPA 3510	OEXT/38703	EPA 8270 by SIM LVE	MSSV/17478
50114441006	B-9	EPA 3510	OEXT/38703	EPA 8270 by SIM LVE	MSSV/17478
50114441007	B-10	EPA 3510	OEXT/38703	EPA 8270 by SIM LVE	MSSV/17478
50114441008	B-11	EPA 3510	OEXT/38703	EPA 8270 by SIM LVE	MSSV/17478
50114441009	B-13	EPA 3510	OEXT/38709	EPA 8270 by SIM LVE	MSSV/17477
50114441010	B-16	EPA 3510	OEXT/38709	EPA 8270 by SIM LVE	MSSV/17477
50114441011	BLIND DUPLICATE	EPA 3510	OEXT/38709	EPA 8270 by SIM LVE	MSSV/17477
50114441001	B-2	EPA 8260	MSV/74566		
50114441002	B-3	EPA 8260	MSV/74566		
50114441003	B-6	EPA 8260	MSV/74566		
50114441004	B-7	EPA 8260	MSV/74566		
50114441005	B-8	EPA 8260	MSV/74566		
50114441006	B-9	EPA 8260	MSV/74566		
50114441007	B-10	EPA 8260	MSV/74566		
50114441008	B-11	EPA 8260	MSV/74615		
50114441009	B-13	EPA 8260	MSV/74615		
50114441010	B-16	EPA 8260	MSV/74615		
50114441011	BLIND DUPLICATE	EPA 8260	MSV/74615		
50114441012	TRIP BLANK	EPA 8260	MSV/74615		

REPORT OF LABORATORY ANALYSIS

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Section A
Required Client Information:

Company: **Cardno ATC**

Address: **55 S. Garvin St. Unit 76**

City: **Evansville, IN 47713**

Phone: **812 472-2424**

Requested Due Date/TAT: **3/13/15**

Section B
Required Project Information:

Report To: **Megan Foye**

Copy To: **Brian Kleeman**

Purchase Order No.: **1705M00003**

Project Name: **Farmer Jasper Power Plant**

Project Number: **1705M00003**

Requested Due Date/TAT: **3/13/15**

Section C
Invoice Information:

Attention: **Maria Tribby - Payne**

Company Name: **Cardno ATC**

Address: **55 S. Garvin St. Unit 76**

Pace Quote Reference: **1705M00003**

Pace Project Manager: **Megan Foye**

Pace Profile #: **1705M00003**

Section D
Required Client Information

Matrix Codes
MATRIX / CODE

Drinking Water

Water

Waste Water

Product

Soil/Solid

Oil

Wipe

Air

Tissue

Other

DW

WT

WW

P

SL

OL

WP

AR

TS

OT

Section E
Required Analysis Information

Analysis Test

VOCs Method 8260B

PAHs Method 8270B

PCRB Metals Method 8210B

Y/N

Y

N

Section F
Required Analysis Information

Preservatives

Unpreserved

H₂SO₄

HNO₃

HCl

NaOH

Na₂S₂O₃

Methanol

Other

Y/N

Y

N

Section G
Required Analysis Information

Sample ID

(A-Z, 0-9, /, -)

Sample IDs MUST BE UNIQUE

1

2

3

4

5

6

7

8

9

10

11

12

B-2

B-3

B-6

B-7

B-8

B-9

NSMSD (from B-a)

B-10

B-11

B-13

B-14

Blind Duplicate

Section H
Required Analysis Information

Sample Type

(G=GRAB C=COMP)

COMPOSITE START

COMPOSITE END/GRAB

DATE

TIME

DATE

TIME

3-11-15

1300

1415

1530

3-12-15

1936

1826

1605

1510

1402

1100

1230

Section I
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section J
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section K
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section L
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section M
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section N
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section O
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section P
Required Analysis Information

Relinquished By / Affiliation

DATE

TIME

3-13-15

2:00 PM

Section Q
Required Analysis Information

Relinquished By / Affiliation

DATE

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3-13-15

2:00 PM

Section R
Required Analysis Information

Relinquished By / Affiliation

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Section S
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Section V
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Section W
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2:00 PM

Section AI
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3-13-15

2:00 PM

Section AJ
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3-13-15

2:00 PM

Section AK
Required Analysis Information

Relinquished By / Affiliation

Sample Condition Upon Receipt

Pace Analytical

Client Name:

Cardno ATC

Project #

50114441

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Tracking #: 806632558560

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Date/Time 6035A kits placed in freezer

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 0.6
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: M.S. 3-14-15

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	6.
Containers Intact:	☒ Yes ☐ No ☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐ Yes ☒ No ☐ N/A	8. <u>Received No sample for B-14 but Received A sample for B-16 Not on COC.</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☒ Yes ☐ No ☐ N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	10. <u>B-9 (1-vial)</u>
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	11.
Trip Blank Custody Seals Present	☐ Yes ☒ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	12.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	13.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Received No sample for B-14 but we did receive A sample for B-16 that is not on the COC.

Project Manager Review:

Kenneth Hunt

Date:

3/14/15

CLIENT: Cardano ATC

Sample Container Count



COC PAGE 1
COC ID# 1808204

Project # SD114441

Sample Line

Item	DG9H	AG1U	WGUFU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	pH <2	pH >12	Comments
1	3				1															
2	1				1															
3	1				1															
4	1				1															
5	1				1															
6	3				1															ms/msb
7	3				1															
8	3				1															
9	3				1															
10	3				1															
11	3				1															
12	3				1															

Drop Blank

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	
WGUFU	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		BP3C	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	WGFX	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											