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## MEMORANDUM

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TO: Kurt Blizzard/GM ENCORE REF. NO.: 017360-70

FROM: Gary Klepper/<sup>BEM</sup>Kevin Kowalk/53/Lan. DATE: October 26, 2007

C.C.: Scott Murto/GM

RE: 2007 Bulk Unload Area Investigation Summary  
General Motors Corporation Metal Fabrication Division  
Grand Rapids Metal Plant  
Wyoming, Michigan

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This memorandum presents a summary of the additional subsurface investigation conducted by Conestoga-Rovers & Associates, Inc. (CRA) at the new bulk unload area in the vicinity of the new and used oil, and cleaning soaps loading area (Bulk Unload Area) at the General Motors Corporation (GM) Metal Fabrication Division (MFD) Grand Rapids Metal Plant (Plant) located at 300 36th Street in Wyoming, Michigan (Site). The subsurface investigation was conducted to further evaluate and delineate the concentration of metals and polynuclear aromatics (PNAs) in soils in the Bulk Unload Area.

### 1.0 INTRODUCTION/BACKGROUND

In November 2004, Plant personnel installed a trench drain in the Bulk Unload Area. The location of the Bulk Unload Area is presented on Figures 1 and 2. The trench drain is approximately 70 feet long by one-foot wide and drains to a sump located adjacent to the Bulk Unload Area. From there, liquids are discharged to a sump within the plant inside an adjacent truck dock, which discharges to the on-Site wastewater treatment plant via aboveground piping lines.

Prior to disposal, Plant personnel sampled excavated soils from the area for waste characterization. Toxicity characteristic leaching procedure (TCLP) analysis of the waste soil sample had detections of barium, cadmium, copper, lead, and zinc. Total analysis was also performed on lead, diesel, and total petroleum hydrocarbons (other) for which there were detections. The soils were disposed of as a hazardous waste due to the concentration of lead identified. No verification samples were collected from the excavation.

According to plant personnel, the area of the trench drain was historically used for hand machining operations.

On December 12, 2005 a soils investigation was conducted in the Bulk Unload Area which included the advancement of seven soil borings and the collection of 33 soil samples. The initial investigation was summarized in a memorandum to GM, dated September 8, 2006. Based on the results of the soil

investigation, heavy metals and PNAs were detected above applicable Michigan Public Act 451 Criteria.

## 2.0 SCOPE OF WORK

Investigation activities included the advancement of eight soil borings and the collection of 50 soil samples. Figure 2 presents the trench drain layout and approximate soil boring locations.

## 2.1 SOIL BORING ADVANCEMENT

Eight soil borings, SB26-07 through SB32-07 (SB26 through SB32), were advanced at the Site on July 10, 2007 and a total of 44 soil samples, including Quality Analysis/Quality Control (QA/QC) samples, were collected to define current soil conditions in the vicinity of the trench drain. Soil borings SB26 through SB32 were advanced to the northwest, north, and east of the trench drain, stepping out from previous soil borings advanced in 2005.

Soil borings were advanced utilizing direct push Geoprobe™ technology with continuous macrocore sampling. Soil samples were collected starting at the top of the ground surface and continuing at two-foot intervals until a terminal depth of ten feet bgs. A five-foot long, two-inch outside diameter stainless steel macrocore sampler was driven into the undisturbed material. Soil samples were described and classified according to the Unified Soil Classification System (USCS) by a CRA Geologist. Soil samples were field screened for visual/olfactory evidence of impact and with an 11.7 eV photoionization detector (PID). Stratigraphic soil boring logs generated during the advancement of SB26 through SB32 are presented in Attachment A.

## 2.2 SOIL SAMPLE COLLECTION

Soil samples were collected at two-foot intervals using a direct push Geoprobe™ drill rig equipped with a five-foot stainless steel macrocore sampler as described in Section 2.1. Samples were collected consistent with the protocols set forth in the Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division (RRD) Operation Memorandum No. 2, October 2004.

One soil sample was collected for chemical analysis from each interval, in addition to quality assurance/quality control (QA/QC) samples. A total of 44 soil samples were collected for analysis for PNAs and Target Analyte List (TAL) metals. A sample summary is presented in Table 1. Collected samples were placed in pre-cleaned laboratory-provided containers, properly labeled, placed on ice, and shipped under chain-of-custody (COC) protocol via overnight courier to Severn Trent Laboratories (STL) in North Canton, Ohio to be analyzed on a two-week turnaround time (TAT).

## 3.0 RESULTS

Laboratory analytical results were compared to Michigan Public Act 451, Part 201 Generic Residential and Commercial I Cleanup Criteria (Part 201 Residential), as well as the Michigan Public Act 451, Part 201 Generic Industrial and Commercial II, III, and IV Criteria (Part 201 Industrial). A summary of analytical

results compared to the Part 201 Residential Cleanup Criteria is presented in Table 2. Figure 3 provides a comparison to the Part 201 Residential Cleanup Criteria by location. Figure 4 provides a comparison to the Part 201 Industrial Cleanup Criteria by location. A summary of analytical results compared to the Part 201 Industrial Cleanup Criteria is presented in Table 3. Analytical results for aluminum, calcium, iron, magnesium, potassium, and sodium were not considered in the screening process. These earth metals are naturally occurring and are not related to facility related activities. Available analytical results for the earth metals are included in Attachment D. Analytical results for the investigation are provided in Attachment B. A copy of the data validation memorandum is provided in Attachment C.

Antimony was detected above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB26 (0 to 2 ft bgs and 2 to 4 ft bgs) and SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs).

Arsenic was detected at concentrations above the Part 201 Residential DWPC, Direct Contact Criteria (DCC), and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs, 2 to 4 ft bgs and 6 to 8 ft bgs), SB27 (at 0 to 2 ft bgs, 2 to 4 ft bgs and 4 to 6 ft bgs), and SB28 (at 4 to 6 ft bgs). Arsenic was detected at concentrations above the Part 201 Industrial DWPC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs, 4 to 6 ft bgs and 6 to 8 ft bgs), SB27 (at 0 to 2 ft bgs, 2 to 4 ft bgs and 4 to 6 ft bgs), and SB28 (at 2 to 4 ft bgs). In addition, arsenic was detected at concentrations above Part 201 Industrial DCC II, II and IV in the soil sample collected from SB27 (at 4 to 6 ft bgs).

Barium was detected at concentrations above the Part 201 Residential and Industrial DWPC, SDBL and Residential and Industrial Groundwater Surface Water Interface Protection Criteria (GSIC) in the soil sample collected from SB26 (at 2 to 4 ft bgs) and above the Part 201 Residential and Industrial DWPC and the SDBL in the soil samples collected from SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Cadmium was detected at concentrations above the Part 201 Residential GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs). Additionally, Cadmium was detected at concentrations above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB26 (at 2 to 4 ft bgs), SB27 (at 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Total chromium was detected at concentrations above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 4 to 6 ft bgs), SB29 (at 0 to 2 ft bgs), SB31 (at 8 to 10 ft bgs) and SB32 (at 0 to 2 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 4 to 6 ft bgs), at SB29 (at 0 to 2 ft bgs), and SB31 (at 8 to 10 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial Particulate Soil Inhalation Criteria (PSIC) in soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs). Total chromium was detected above the Part 201 Residential Direct Contact Criteria (DCC) and the Industrial and Commercial Direct Contact Criteria II, III and IV in the soil sample collected from SB27 (at 2 to 4 ft bgs).

Cobalt was detected at concentrations above the Part 201 Residential and Industrial DWPC and GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 2 to 4 ft bgs and 4 to 6 ft bgs), SB29 (at 0 to 2 ft bgs) and SB31 (at 8 to 10 ft bgs).

Copper was detected at concentrations above the Part 201 Residential and Industrial GSIC and the SDBL in

the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 0 to 2 ft bgs and 4 to 6 ft bgs).

Lead was detected above the Part 201 Residential and Industrial DWPC, DCC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), and SB28 (at 4 to 6 ft bgs). Additionally, lead was detected above the Part 201 Residential GSIC with the concentrations at SB26 (at 4 to 6 ft bgs) and SB27 (at 2 to 4 ft bgs).

Manganese was detected above the Part 201 Residential and Industrial DWPC and GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs), with the concentration in SB27 (at 2 to 4 ft bgs) also exceeding the Part 201 Residential PSIC and the concentrations in SB26 (at 2 to 4 ft bgs), SB27 (0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs) also exceeding the Industrial PSIC.

Nickel was detected above the Part 201 Residential and Industrial DWPC and GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Selenium was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs, 2 to 4 ft bgs, 4 to 6 ft bgs and 6 to 8 ft bgs) and SB28 (at 4 to 6 ft bgs).

Silver was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB28 (at 4 to 6 ft bgs) and SB29 (at 0 to 2 ft bgs, 2 to 4 ft bgs, and 4 to 6 ft bgs). Additionally, silver was detected above the Part 201 Residential DWPC in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs), with the concentrations at SB26(at 2 to 4 ft bgs) and SB27 (at 2 to 4 ft bgs) also exceeding the Part 201 Industrial DWPC.

Vanadium was detected above the Part 201 Residential DWPC in the soil samples collected from SB26 (at 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs).

Zinc was detected above the Part 201 Residential and Industrial GSIC and the SDBL in the soil samples collected from SB26 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB27 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB28 (at 4 to 6 ft bgs), with the concentrations in SB26 (2 to 4 ft bgs) and SB27 (2 to 4 ft bgs) also exceeding the Part 201 Residential and Industrial DWPC and the concentrations in SB26 (0 to 2 ft bgs) and SB27 (0 to 2 ft bgs) exceeding the Part 201 Residential DWPC.

Benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the Part 201 Residential DCC in the soil sample collected from SB27 (at 0 to 2 ft bgs). Fluoranthene was also detected above the Part 201 Residential GSIC in the soil sample collected from SB27 (at 0 to 2 ft bgs).

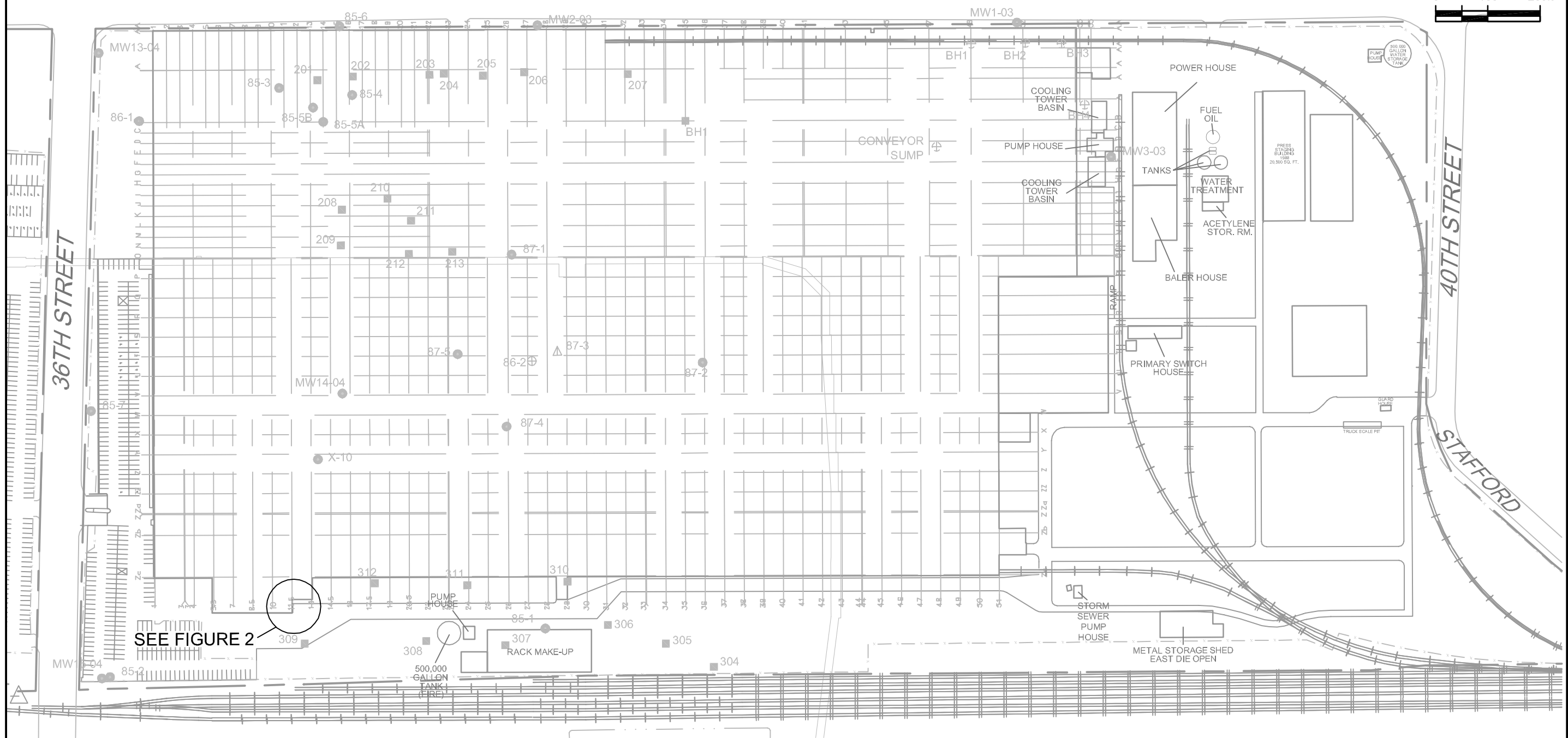
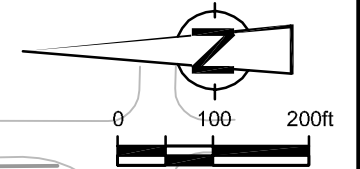
Benzo (a) pyrene was detected above Part 201 Industrial DCC II, II and IV in the soil sample collected from SB27 (at 0 to 2 ft bgs). Fluoranthene was detected above Part 201 Industrial GSIC in the soil sample collected from SB27 (at 0 to 2 ft bgs).

**4.0 CONCLUSIONS AND RECOMMENDATIONS**

Analytical results identified that TAL metals and PNAs were detected in soil samples at concentrations above Part 201 Residential and/or Industrial Cleanup Criteria. Based on the analytical results, the horizontal and vertical extent has not been delineated to Part 201 Residential Criteria.

A Work Plan will be prepared for further investigation of the area including a subsurface investigation.

COMMERCIAL/INDUSTRIAL



SEE FIGURE 2

- LEGEND**
- 87-2 MONITORING WELL LOCATION
  - ⊕ PWDISCH PURGE WELL LOCATION
  - 307 SOIL BORING LOCATION
  - X-10 DESTROYED/REMOVED MONITORING WELL LOCATION
  - △ C-2 CULVERT LOCATION
  - △ 87-3 ABANDONED AIR PURGE WELL
  - ⊕ BH1 APPROXIMATE LOCATION OF DEWATERING WELLS
  - APPROXIMATE SITE BOUNDARY
  - - - FENCE
  - RAILROAD
  - - - COLE DRAIN

SOURCE: EDI ENGINEERING & SCIENCE, JUNE 1987 AND JUNE 1988 AND EARTH TECH, SEPTEMBER 2001.

figure 1

APPROXIMATE BULK UNLOAD AREA  
GRAND RAPIDS METAL PLANT  
Wyoming, Michigan



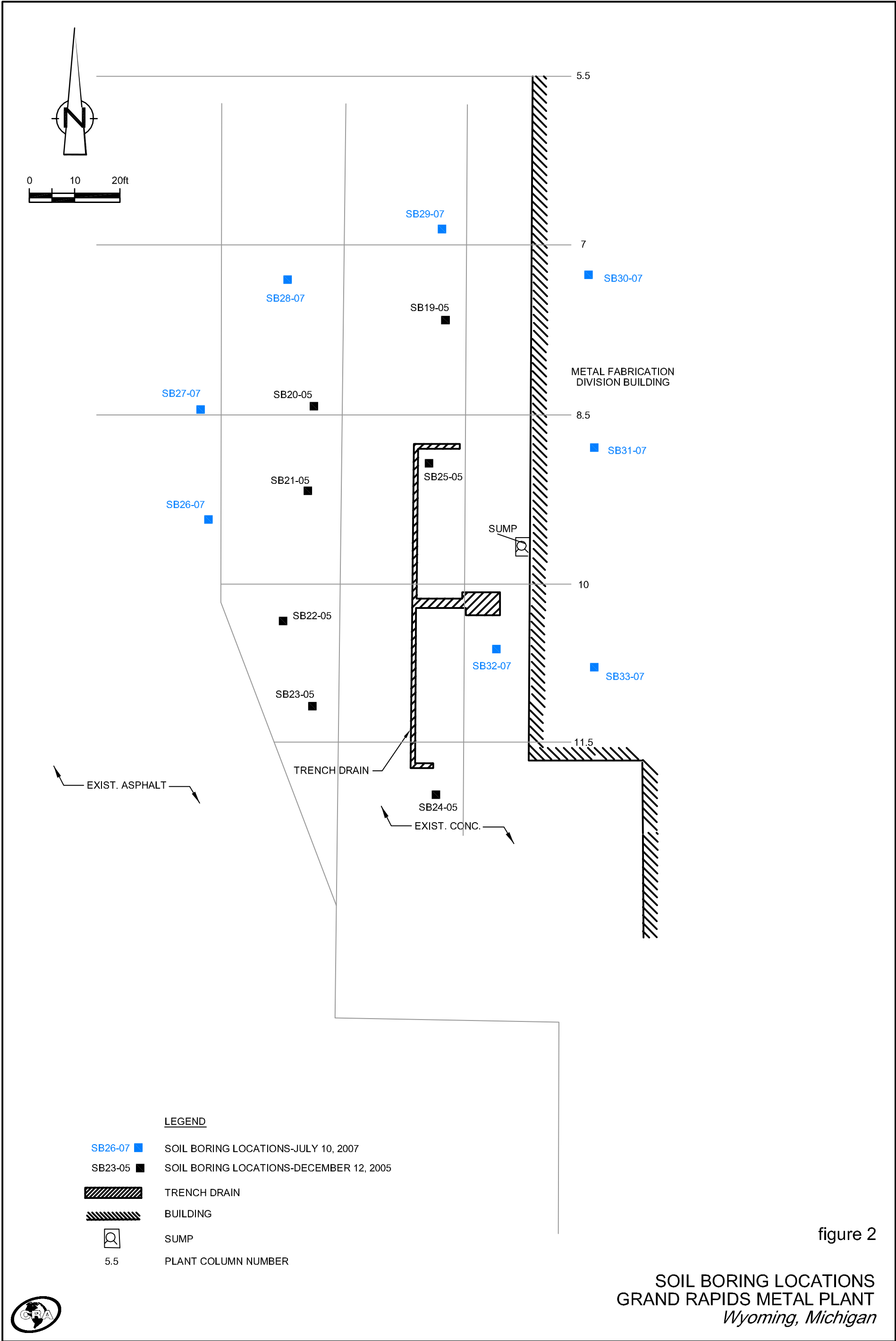
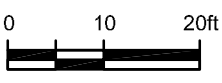


figure 2

**SOIL BORING LOCATIONS  
GRAND RAPIDS METAL PLANT  
Wyoming, Michigan**



SB28-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 4-6 ft BGS mg/kg
<b>Metals</b>			
Arsenic	-	-	31.9 J (ABJ)
Barium	-	-	476 J (AC)
Cadmium	-	-	7.6 J (ABC)
Chromium Total	-	-	1460 J (ABC)
Cobalt	-	7.8 J (ABC)	35.4 J (ABC)
Copper	118 (AC)	-	838 (AC)
Lead	-	-	1170 (ABJ)
Manganese	-	-	1580 (ABC)
Nickel	-	-	566 J (ABC)
Selenium	-	-	0.68 J (AC)
Silver	-	-	2.4 J (AC)
Vanadium	-	-	79.0 J (B)
Zinc	-	-	792 (AC)

SB29-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 4-6 ft BGS mg/kg
<b>Metals</b>			
Chromium Total	41.0 J (ABC)	-	-
Cobalt	7.4 J (ABC)	-	-
Silver	2.9 J (AC)	2.5 J (AC)	1.2 J (AC)

SB31-07	7/10/2007 8-10 ft BGS mg/kg
<b>Metals</b>	
Chromium Total	70.9 J (ABC)
Cobalt	14.2 J (ABC)

SB27-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 4-6 ft BGS mg/kg	7/10/2007 6-8 ft BGS mg/kg
<b>Metals</b>				
Antimony	4.7 J (B)	29.6 J (B)	-	-
Arsenic	10.3 J (ABJ)	14.5 J (ABJ)	50.3 J (ABJ)	-
Barium	745 J (AC)	1050 J (AC)	-	-
Cadmium	5.8 J (AC)	28.3 J (ABC)	-	-
Chromium Total	424 J (ABC)	13200 (ABC)	-	-
Cobalt	47.2 J (ABC)	146 J (ABC)	-	-
Copper	1790 (AC)	2480 (AC)	-	-
Lead	1630 (ABJ)	5830 (ABC)	-	-
Manganese	3140 (ABC)	7180 (ABC)	-	-
Nickel	449 J (ABC)	6710 (ABC)	-	-
Selenium	0.44 J (AC)	0.78 J (AC)	3.5 J (AC)	0.82 J (AC)
Silver	5.5 J (ABC)	13.5 J (ABC)	-	-
Zinc	2990 (ABC)	7520 (ABC)	-	-
<b>SVOCs</b>				
Benzo(a)pyrene	25 (J)	-	-	-
Benzo(b)fluoranthene	35 (J)	-	-	-
Dibenz(a,h)anthracene	6.4 (J)	-	-	-
Fluoranthene	13 (C)	-	-	-
Indeno(1,2,3-cd)pyrene	21 (J)	-	-	-

SB26-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 6-8 ft BGS mg/kg
<b>Metals</b>			
Antimony	17.4 J (B)	34.8 J (B)	-
Arsenic	13.1 J (ABJ)	18.2 J (ABJ)	11.9 J (ABJ)
Barium	-	2230 J (ABC)	-
Cadmium	4.9 J (AC)	54.0 J (ABC)	-
Chromium Total	270 J (ABC)	2380 J (ABC)	-
Cobalt	27.6 J (ABC)	118 J (ABC)	-
Copper	985 (AC)	4410 (AC)	-
Lead	904 (ABJ)	3420 (ABC)	-
Manganese	1120 (ABC)	3280 (ABC)	-
Nickel	255 J (ABC)	1780 J (ABC)	-
Selenium	0.52 J (AC)	0.97 J (AC)	-
Silver	7.0 J (ABC)	14.3 J (ABC)	-
Vanadium	-	94.6 J (B)	-
Zinc	4090 (ABC)	5040 (ABC)	-

SB32-07	7/10/2007 0-2 ft BGS mg/kg
<b>Metals</b>	
Chromium Total	21.5 J (AC)

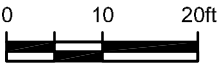
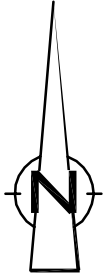
Statewide Default Background	Drinking Water Protection	Groundwater Surface Water Interface Protection	Groundwater Contact Protection	Soil Volatilization to Indoor Air Inhalation	Infinite Source Volatile Soil Inhalation	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation	Direct Contact
Parameter	A	B	C	D	E	F	G	H	J
<b>Metals</b>									
Antimony		4.3	94	49000	NLV	NLV	NLV	13000	180
Arsenic	5.8	4.6	70	2000	NLV	NLV	NLV	720	7.6
Barium	75	1300	440	1000000	NLV	NLV	NLV	330000	37000
Cadmium	1.2	6	3	230000	NLV	NLV	NLV	1700	550
Chromium Total	18	30	3.3	140000	NLV	NLV	NLV	260	2500
Cobalt	6.8	0.8	2	48000	NLV	NLV	NLV	13000	2600
Copper	32	5800	75	1000000	NLV	NLV	NLV	130000	20000
Lead	21	700	2500	ID	NLV	NLV	NLV	100000	400
Manganese	440	1	56	180000	NLV	NLV	NLV	3300	25000
Nickel	20	100	76	1000000	NLV	NLV	NLV	13000	40000
Selenium	0.41	4	0.4	78000	NLV	NLV	NLV	130000	2600
Silver	1	4.5	0.1	200000	NLV	NLV	NLV	6700	2500
Vanadium	72	190	1000000	NLV	NLV	NLV	NLV	ID	750
Zinc	47	2400	170	1000000	NLV	NLV	NLV	ID	170000
<b>SVOCs</b>									
Benzo(a)pyrene	NLL			NLL	NLV	NLV	NLV	1500	2
Benzo(b)fluoranthene	NLL			NLL	ID	ID	ID	ID	20
Dibenz(a,h)anthracene	NLL			NLL	NLV	NLV	NLV	ID	2
Fluoranthene	730	5.5	730	1000000	740000	740000	740000	9300000	46000
Indeno(1,2,3-cd)pyrene	NLL			NLL	NLV	NLV	NLV	ID	20

**LEGEND**

- SB26-07 ■ SOIL BORING LOCATIONS-JULY 10, 2007
- SB23-05 ■ SOIL BORING LOCATIONS-DECEMBER 12, 2005
- ▨ TRENCH DRAIN
- ▨ BUILDING
- 🔍 SUMP
- 5.5 PLANT COLUMN NUMBER

figure 3  
 EXCEEDANCE OF PART 201 RESIDENTIAL CRITERIA  
 SOIL BORING LOCATIONS  
 GRAND RAPIDS METAL PLANT  
 Wyoming, Michigan





SB28-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 4-6 ft BGS mg/kg
<b>Metals</b>			
Arsenic	-	-	31.9 J (AB)
Barium	-	-	476 J (AC)
Cadmium	-	-	7.6 J (ABC)
Chromium Total	-	-	1460 J (ABC)
Cobalt	-	7.6 J (ABC)	35.4 J (ABC)
Copper	118 (AC)	-	838 (AC)
Lead	-	-	1170 (ABJKL)
Manganese	-	-	1580 (ABC)
Nickel	-	-	566 J (ABC)
Selenium	-	-	0.68 J (AC)
Silver	-	-	2.4 J (AC)
Zinc	-	-	792 (AC)

SB29-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 4-6 ft BGS mg/kg
<b>Metals</b>			
Chromium Total	41.0 J (ABC)	-	-
Cobalt	7.4 J (ABC)	-	-
Silver	2.9 J (AC)	2.5 J (AC)	1.2 J (AC)

SB31-07	7/10/2007 8-10 ft BGS mg/kg
<b>Metals</b>	
Chromium Total	70.9 J (ABC)
Cobalt	14.2 J (ABC)

SB27-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 4-6 ft BGS mg/kg	7/10/2007 6-8 ft BGS mg/kg
<b>Metals</b>				
Antimony	4.7 J (B)	29.6 J (B)	-	-
Arsenic	10.3 J (AB)	14.5 J (AB)	50.3 J (ABJKL)	-
Barium	745 J (AC)	1090 J (AC)	-	-
Cadmium	5.8 J (AC)	28.3 J (ABC)	-	-
Chromium Total	424 J (ABC)	13200 (ABCJKL)	-	-
Cobalt	47.2 J (ABC)	146 J (ABC)	-	-
Copper	1790 (AC)	2480 (AC)	-	-
Lead	1630 (ABJKL)	5830 (ABCJKL)	-	-
Manganese	3140 (ABC)	7180 (ABC)	-	-
Nickel	449 J (ABC)	6710 (ABC)	-	-
Selenium	0.44 J (AC)	0.78 J (AC)	3.5 J (AC)	0.82 J (AC)
Silver	5.5 J (AC)	13.5 J (ABC)	-	-
Zinc	2990 (AC)	7520 (ABC)	-	-
<b>SVOCs</b>				
Benzo(a)pyrene	25 (JKL)	-	-	-
Fluoranthene	13 (C)	-	-	-

SB26-07	7/10/2007 0-2 ft BGS mg/kg	7/10/2007 2-4 ft BGS mg/kg	7/10/2007 6-8 ft BGS mg/kg
<b>Metals</b>			
Antimony	17.4 J (B)	34.8 J (B)	-
Arsenic	13.1 J (AB)	18.2 J (AB)	11.9 J (AB)
Barium	-	2230 J (ABC)	-
Cadmium	4.9 J (AC)	54.0 J (ABC)	-
Chromium Total	270 J (ABC)	2380 J (ABC)	-
Cobalt	27.6 J (ABC)	118 J (ABC)	-
Copper	985 (AC)	4410 (AC)	-
Lead	904 (ABJKL)	3420 (ABCJKL)	-
Manganese	1120 (ABC)	3280 (ABC)	-
Nickel	255 J (ABC)	1780 J (ABC)	-
Selenium	0.52 J (AC)	0.97 J (AC)	-
Silver	7.0 J (AC)	14.3 J (ABC)	-
Zinc	4090 (AC)	5040 (ABC)	-

SB32-07	7/10/2007 0-2 ft BGS mg/kg
<b>Metals</b>	
Chromium Total	21.5 J (AC)

EXIST. ASPHALT

TRENCH DRAIN

EXIST. CONC.

	Statewide Background	Industrial and Commercial Drinking Water	Groundwater Surface Water Interface Protection	Groundwater Contact Protection	Soil Volatilization to Indoor Air Inhalation	Infinite Source Volatile Soil Inhalation	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation	Direct Contact Industrial and Commercial II	Direct Contact Commercial III	Direct Contact Commercial IV
	A	B	C	D	E	F	G	H	I	J	K	L
<b>Metals</b>												
Antimony		4.3	94	49000	NLV	NLV	NLV	NLV	5900	670	730	700
Arsenic	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	46	41
Barium	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	150000	140000
Cadmium	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	2100	2100
Chromium Total	18	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	10000	9600
Cobalt	6.8	2	2	48000	NLV	NLV	NLV	NLV	5900	9000	10000	10000
Copper	32	5800	75	1000000	NLV	NLV	NLV	NLV	59000	73000	79000	76000
Lead	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	400	400
Manganese	440	1	56	180000	NLV	NLV	NLV	NLV	1500	90000	98000	94000
Nickel	20	100	76	1000000	NLV	NLV	NLV	NLV	16000	150000	160000	150000
Selenium	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	10000	10000
Silver	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	9800	9400
Zinc	47	5000	170	1000000	NLV	NLV	NLV	NLV	ID	630000	690000	660000
<b>SVOCs</b>												
Benzo(a)pyrene		NLL		NLL	NLV	NLV	NLV	NLV	1900	8	16	11
Fluoranthene		730	5.5	730	1000000	890000	880000	880000	4100000	130000	240000	170000

**LEGEND**

- SB26-07 ■ SOIL BORING LOCATIONS-JULY 10, 2007
- SB23-05 ■ SOIL BORING LOCATIONS-DECEMBER 12, 2005
- TRENCH DRAIN
- BUILDING
- SUMP
- 5.5 PLANT COLUMN NUMBER

figure 4

**EXCEEDANCE OF PART 201 INDUSTRIAL CRITERIA  
SOIL BORING LOCATIONS  
GRAND RAPIDS METAL PLANT  
Wyoming, Michigan**



TABLE 1

**SAMPLE SUMMARY**  
**2007 BULK UNLOAD AREA INVESTIGATION SUMMARY**  
**GENERAL MOTOR CORPORATION**  
**GRAND RAPIDS METAL PLANT**  
**WYOMING, MICHIGAN**

<i>Sample Identification</i>	<i>Sample Location</i>	<i>Sample Depth (ft bgs)</i>	<i>Sample Matrix</i>	<i>QA/QC</i>	<i>Analysis</i>
SO-17360-071007-BW-618	SB26-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-619	SB26-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-620	SB26-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-621	SB26-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-622	SB26-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-623	SB27-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-624	SB27-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-625	SB27-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-626	SB27-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-627	SB27-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-628	SB28-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-629	SB28-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-630	SB28-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-631	SB28-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-632	SB28-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-633	SB29-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-634	SB29-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-635	SB29-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-636	SB29-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-637	SB29-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-638	SB32-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-639	SB32-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-640	SB32-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-641	SB32-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-642	SB32-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-643	SB32-07	8 - 10	Soil	Duplicate	TAL Metals and PNA
SO-17360-071007-BW-644	SB30-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-645	SB30-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-646	SB30-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-647	SB30-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-648	SB30-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-649	SB30-07	8 - 10	Soil	Duplicate	TAL Metals and PNA
SO-17360-071007-BW-650	SB33-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-651	SB33-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-652	SB33-07	4 - 6	Soil		TAL Metals and PNA
SO-17360-071007-BW-653	SB33-07	6 - 8	Soil	MS/MSD	TAL Metals and PNA
SO-17360-071007-BW-654	SB33-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-655	SB33-07	8 - 10	Soil	Duplicate	TAL Metals and PNA
SO-17360-071007-BW-656	SB31-07	0 - 2	Soil		TAL Metals and PNA
SO-17360-071007-BW-657	SB31-07	2 - 4	Soil		TAL Metals and PNA
SO-17360-071007-BW-658	SB31-07	4 - 6	Soil	MS/MSD	TAL Metals and PNA
SO-17360-071007-BW-659	SB31-07	6 - 8	Soil		TAL Metals and PNA
SO-17360-071007-BW-660	SB31-07	8 - 10	Soil		TAL Metals and PNA
SO-17360-071007-BW-661	SB31-07	8 - 10	Soil	Duplicate	TAL Metals and PNA
SO-17360-071007-BW-662	Soil Drum	--	Soil		TCLP Metals, TCLP VOCs, TCLP SVOCs, RCI
SO-17360-071007-BW-663	Decon Water	--	Water		TCLP Metals, TCLP VOCs, TCLP SVOCs, RCI

PNA - Polynuclear Aromatic C  
TAL Metals - Target Analyte List Metals  
TCLP - Toxicity Control Leach  
VOC - Volatile Organic Comp  
SVOC - Semi Volatile Organic  
RCI - Reactivity, Corrosivity a  
QC - Quality Control  
MS/MSD - Matrix Spike/Mat

TABLE 2

SUMMARY OF ANALYTICAL RESULTS IN SOIL SAMPLES COMPARED TO MICHIGAN ACT 451, PART 201 RESIDENTIAL CRITERIA  
 GENERAL MOTORS CORPORATION  
 GRAND RAPIDS METAL PLANT  
 WYOMING, MICHIGAN

Sample Location Sample Identification (SO-17360-071007-)	<i>Michigan Act 451, Part 201 Residential and Commercial</i> <sup>(1)</sup>										SB26-07	SB26-07	SB26-07	SB26-07	SB26-07	SB27-07	SB27-07	SB27-07	SB27-07	SB27-07	SB28-07	SB28-07	SB28-07	SB28-07	SB28-07	SB28-07	SB29-07	SB29-07	SB29-07	SB29-07		
	Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	BW-618	BW-619	BW-620	BW-621	BW-622	BW-623	BW-624	BW-625	BW-626	BW-627	BW-628	BW-629	BW-630	BW-631	BW-632	BW-633	BW-634	BW-635	BW-636			
	Default	Water	Surface Water	Contact	to Indoor Air	Volatilize Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007		
Sample Date	Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness	i	j	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS			
Sample Depth	a	b	c	d	e	f	g	h			(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)			
Sample Type	Units																															
<b>Metals</b>																																
Antimony	mg/kg	4.3	94	49000	NLV	NLV	NLV	NLV	13000	180	17.4 J <sup>b</sup>	34.8 J <sup>b</sup>	R	R	R	4.7 J <sup>b</sup>	29.6 J <sup>b</sup>	R	R	R	R	R	4.2 J	R	R	1.3 J	0.74 J	R	R			
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	720	7.6	13.1 J <sup>ab</sup>	18.2 J <sup>ab</sup>	4.1 J	11.9 J <sup>ab</sup>	1.8 J	10.3 J <sup>ab</sup>	14.5 J <sup>ab</sup>	50.3 J <sup>ab</sup>	3.0 J	0.77 J	3.5 J	3.1 J	31.9 J <sup>ab</sup>	3.7 J	1.4 J	2.5 J	0.71 J	0.98 J	1.0 J		
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	330000	37000	414 J	2230 J <sup>abc</sup>	27.4 J	23.7 J	10.4 J	745 J <sup>ac</sup>	1050 J <sup>ac</sup>	89.8 J	21.7 J	7.6 J	48.4 J	76.2 J <sup>a</sup>	476 J <sup>ac</sup>	11.2 J	12.9 J	21.9 J	2.4 J	25.7 J	6.7 J		
Beryllium	mg/kg	51	85	1000000	NLV	NLV	NLV	NLV	1300	410	0.18 U	0.20 U	0.21 U	0.19 U	0.19 U	0.44	0.19 U	0.44	0.21 U	0.19 U	0.19 U	0.59	2.2	0.18 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.17 U		
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	1700	550	4.9 J <sup>ac</sup>	54.0 J <sup>abc</sup>	0.48 J	R	R	5.8 J <sup>ac</sup>	28.3 J <sup>abc</sup>	0.28 J	R	R	R	R	7.6 J <sup>abc</sup>	R	R	0.13 J	0.094 J	1.4 J	0.67 J		
Chromium Total	mg/kg	18	30	3.3	140000	NLV	NLV	NLV	NLV	260	2500	270 J <sup>abc</sup>	2380 J <sup>abc</sup>	12.3 J	8.5 J	11.5 J	424 J <sup>abc</sup>	1320 J <sup>abc</sup>	14.6 J	4.4 J	8.6 J	6.8 J	6.6 J	1460 J <sup>abc</sup>	6.5 J	6.1 J	41.0 J <sup>abc</sup>	16.5 J	6.9 J	6.6 J		
Cobalt	mg/kg	6.8	0.8	2	48000	NLV	NLV	NLV	NLV	13000	2600	27.6 J <sup>abc</sup>	118 J <sup>abc</sup>	2.2 J	2.4 J	2.6 J	47.2 J <sup>abc</sup>	146 J <sup>abc</sup>	34.4	4.8 J	0.64 J	2.6 J	4.5 J	7.8 J <sup>abc</sup>	35.4 J <sup>abc</sup>	2.0 J	1.7 J	7.4 J <sup>abc</sup>	0.78 J	1.8 J	2.6 J	
Copper	mg/kg	32	5800	75	1000000	NLV	NLV	NLV	NLV	130000	20000	985 <sup>ac</sup>	4410 <sup>ac</sup>	21.2	4.1	6.0	1790 <sup>ac</sup>	2480 <sup>ac</sup>	34.4	3.1	2.8	118 <sup>ac</sup>	55.0	838 <sup>ac</sup>	3.4	3.7	19.5	5.0	2.1	3.5		
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	100000	400	904 <sup>ab</sup>	3420 <sup>abc</sup>	25.8	3.7	2.5	1630 <sup>ab</sup>	5830 <sup>abc</sup>	42.2	4.2	3.1	16.5	3.6	1170 <sup>ab</sup>	2.4	2.1	11.8	6.4	4.1	2.5		
Manganese	mg/kg	440	1	56	180000	NLV	NLV	NLV	NLV	3300	25000	1120 <sup>abc</sup>	3280 <sup>abc</sup>	96.2	220	36.6	3140 <sup>abc</sup>	7180 <sup>abc</sup>	97.5	22.5	34.7	63.1	114	1580 <sup>abc</sup>	46.7	30.0	108	67.6	39.0	51.7		
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	20000	160	0.046 U	0.050 U	0.052 U	0.045 U	0.043 U	0.048 U	0.047 U	0.060 U	0.051 U	0.049 U	0.044 U	0.046 U	0.045 U	0.043 U	0.043 U	0.043 U	0.042 U	0.041 U	0.043 U	0.043 U		
Nickel	mg/kg	20	100	76	1000000	NLV	NLV	NLV	NLV	13000	40000	255 J <sup>abc</sup>	1780 J <sup>abc</sup>	26.6 J	5.6 J	6.3 J	449 J <sup>abc</sup>	6710 <sup>abc</sup>	29.1 J	2.7 J	6.0 J	8.3 J	14.2 J	566 J <sup>abc</sup>	5.3 J	5.4 J	21.6 J	14.4 J	8.0 J	3.9 J		
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	130000	2600	0.52 J <sup>ac</sup>	0.97 J <sup>ac</sup>	0.40 J	0.18 UJ	0.17 UJ	0.44 J <sup>ac</sup>	0.78 J <sup>ac</sup>	3.5 J <sup>ac</sup>	0.82 J <sup>ac</sup>	0.33 J	0.23 J	0.27 J	0.68 J <sup>ac</sup>	0.17 UJ	0.17 UJ	0.22 J	0.16 UJ	0.17 UJ	0.17 UJ		
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	NLV	6700	2500	7.0 J <sup>abc</sup>	14.3 J <sup>abc</sup>	0.17 J	0.090 UJ	0.087 UJ	5.5 J <sup>abc</sup>	13.5 J <sup>abc</sup>	0.14 J	0.10 UJ	0.097 UJ	0.32 J	0.091 UJ	2.4 J <sup>ac</sup>	0.086 UJ	0.085 UJ	2.9 J <sup>ac</sup>	2.5 J <sup>ac</sup>	1.2 J <sup>ac</sup>	0.093 J		
Thallium	mg/kg		2.3	4.2	15000	NLV	NLV	NLV	NLV	ID	35	0.092 U	0.12	0.10 U	0.090 U	0.087 U	0.11	0.14	0.61	0.10 U	0.097 U	0.089 U	0.091 U	0.21	0.086 U	0.085 U	0.084 U	0.082 U	0.086 U	0.085 U		
Vanadium	mg/kg		72	190	1000000	NLV	NLV	NLV	NLV	ID	750	26.2 J	94.6 J <sup>b</sup>	9.5 J	13.3 J	8.4 J	22.0 J	55.7 J	11.4 J	8.4 J	10.2 J	7.6 J	13.3 J	79.0 J <sup>b</sup>	10.7 J	7.3 J	8.5 J	0.82 UJ	7.8 J	16.7 J		
Zinc	mg/kg	47	2400	170	1000000	NLV	NLV	NLV	NLV	ID	170000	4090 <sup>abc</sup>	5040 <sup>abc</sup>	112	6.6	10.3	2990 <sup>abc</sup>	7520 <sup>abc</sup>	82.1	4.2	8.6	38.6	7.4	792 <sup>ac</sup>	8.2	8.3	10.6	6.4	29.9	5.0		
<b>PNA's</b>																																
2-Methylnaphthalene	mg/kg	57	ID	5500	ID	ID	ID	ID	ID	8100	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U		
Acenaphthene	mg/kg	300	4.4	970	190000	81000	81000	81000	14000000	41000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U		
Acenaphthylene	mg/kg	5.9	ID	440	1600	2200	2200	2200	2300000	1600	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U		
Anthracene	mg/kg	41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U		
Benzo(a)anthracene	mg/kg	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	12	0.33	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Benzo(a)pyrene	mg/kg	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	25 <sup>f</sup>	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Benzo(b)fluoranthene	mg/kg	NLL	NLL	NLL	NLL	ID	ID	ID	ID	ID	20	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	35 <sup>f</sup>	0.67	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Benzo(g,h,i)perylene	mg/kg	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	24	0.46	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Benzo(k)fluoranthene	mg/kg	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	14	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Chrysene	mg/kg	NLL	NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	15	0.58	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Dibenz(a,h)anthracene	mg/kg	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.4 <sup>f</sup>	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	
Fluoranthene	mg/kg	730	5.5	730	1000000	740000	740000	740000	9300000	46000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	13 <sup>f</sup>	0.74	20 U	17 U	8 U	0.55	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	
Fluorene	mg/kg	390	5.3	890	580000	130000	130000	130000	9300000	27000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	
Indeno(1,2,3-cd)pyrene	mg/kg	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	21 <sup>f</sup>	0.32	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U
Naphthalene	mg/kg	35	0.87	2100	250	300	300	300	200000	16000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	
Phenanthrene	mg/kg	56	5.3	1100	2800	160	160	160	6700	1600	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U	0.58	20 U	17 U	8 U	0.45	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	
Pyrene	mg/kg	480	ID	480	1000000	650000	650000	650000	6700000	29000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	13	0.36	20 U	17 U	8 U	0.35	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	
<b>Wet</b>																																
Total Solids	%										87.3	79.4	76.4	88.9	92.1	83.8	84.5	66.8	77.7	82.4	89.9	87.5	89.6	93.5	94.1	95.8	97.6	93.0	94.1			

Notes:  
 U - Not present at or above the associated value.  
 J - Estimated concentration.  
 UJ - Estimated reporting limit.  
 R - Rejected.



TABLE 3

SUMMARY OF ANALYTICAL RESULTS IN SOIL SAMPLES COMPARED TO MICHIGAN ACT 451, PART 201 INDUSTRIAL CRITERIA  
 GENERAL MOTORS CORPORATION  
 GRAND RAPIDS METAL PLANT  
 WYOMING, MICHIGAN

Sample Location	Sample Identification (SO-17360-071007-)	Michigan Act 451, Part 201 Industrial and Commercial II, III, IV <sup>(1)</sup>											SB26-07	SB26-07	SB26-07	SB26-07	SB26-07	SB27-07	
		Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	Direct Contact	Direct Contact	BW-618	BW-619	BW-620	BW-621	BW-622	BW-623
Sample Date	Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	Commercial III	Commercial IV	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	
Sample Depth	Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II			0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	
Sample Type	Units	a	b	c	d	e	f	g	h	i	j	k	l						
<b>Metals</b>																			
Antimony	mg/kg		4.3	94	49000	NLV	NLV	NLV	NLV	5900	670	730	700	17.4 J <sup>b</sup>	34.8 J <sup>b</sup>	R	R	R	4.7 J <sup>b</sup>
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	46	41	13.1 J <sup>ab</sup>	18.2 J <sup>ab</sup>	4.1 J	11.9 J <sup>ab</sup>	1.8 J	10.3 J <sup>ab</sup>
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	150000	140000	414 J	2230 J <sup>abc</sup>	27.4 J	23.7 J	10.4 J	745 J <sup>ac</sup>
Beryllium	mg/kg		51	85	1000000	NLV	NLV	NLV	NLV	590	1600	1600	1600	0.18 U	0.20 U	0.21 U	0.18 U	0.17 U	0.19 U
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	2100	2100	4.9 J <sup>ac</sup>	54.0 J <sup>abc</sup>	0.48 J	R	R	5.8 J <sup>ac</sup>
Chromium Total	mg/kg	18	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	10000	9600	270 J <sup>abc</sup>	2380 J <sup>abc</sup>	12.3 J	8.5 J	11.5 J	424 J <sup>abc</sup>
Cobalt	mg/kg	6.8	2	2	48000	NLV	NLV	NLV	NLV	5900	9000	10000	10000	27.6 J <sup>abc</sup>	118 J <sup>abc</sup>	2.2 J	2.4 J	2.6 J	47.2 J <sup>abc</sup>
Copper	mg/kg	32	5800	75	1000000	NLV	NLV	NLV	NLV	59000	73000	79000	76000	985 <sup>ac</sup>	4410 <sup>ac</sup>	21.2	4.1	6.0	1790 <sup>ac</sup>
Lead	mg/kg	21	700		ID	NLV	NLV	NLV	NLV	44000	900	400	400	904 <sup>abjkl</sup>	3420 <sup>abjkl</sup>	25.8	3.7	2.5	1630 <sup>abjkl</sup>
Manganese	mg/kg	440	1	56	180000	NLV	NLV	NLV	NLV	1500	90000	98000	94000	1120 <sup>abc</sup>	3280 <sup>abc</sup>	96.2	220	36.6	3140 <sup>abc</sup>
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	620	600	0.046 U	0.050 U	0.052 U	0.045 U	0.043 U	0.048 U
Nickel	mg/kg	20	100	76	1000000	NLV	NLV	NLV	NLV	16000	150000	160000	150000	255 J <sup>abc</sup>	1780 J <sup>abc</sup>	26.6 J	5.6 J	6.3 J	449 J <sup>abc</sup>
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	10000	10000	0.52 J <sup>ac</sup>	0.97 J <sup>ac</sup>	0.40 J	0.18 UJ	0.17 UJ	0.44 J <sup>ac</sup>
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	9800	9400	7.0 J <sup>ac</sup>	14.3 J <sup>ac</sup>	0.17 J	0.090 UJ	0.087 UJ	5.5 J <sup>ac</sup>
Thallium	mg/kg		2.3	4.2	15000	NLV	NLV	NLV	NLV	ID	130	140	130	0.092 U	0.12	0.10 U	0.090 U	0.087 U	0.11
Vanadium	mg/kg		990	190	1000000	NLV	NLV	NLV	NLV	ID	5500	6200	5900	26.2 J	94.6 J	9.5 J	13.3 J	8.4 J	22.0 J
Zinc	mg/kg	47	5000	170	1000000	NLV	NLV	NLV	NLV	ID	630000	690000	660000	4090 <sup>ac</sup>	5040 <sup>ac</sup>	112	6.6	10.3	2990 <sup>ac</sup>
<b>PNA's</b>																			
2-Methylnaphthalene	mg/kg		170	ID	5500	ID	ID	ID	ID	ID	26000	37000	31000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Acenaphthene	mg/kg		880	4.4	970	350000	97000	97000	97000	6200000	130000	180000	150000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Acenaphthylene	mg/kg		17	ID	440	3000	2700	2700	2700	1000000	5200	7200	6100	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Anthracene	mg/kg		41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	1000000	860000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	160	110	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	12
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	16	11	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	25 <sup>kl</sup>
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	80	160	110	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	35
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	14000	9500	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	24
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	1600	1100	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	14
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	16000	11000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	15
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	16	11	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.4
Fluoranthene	mg/kg		730	5.5	730	1000000	890000	880000	880000	4100000	130000	240000	170000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	13 <sup>c</sup>
Fluorene	mg/kg		890	5.3	890	1000000	150000	150000	150000	4100000	87000	120000	100000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	160	110	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	21
Naphthalene	mg/kg		100	0.87	2100	470	350	350	350	88000	52000	72000	61000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Phenanthrene	mg/kg		160	5.3	1100	5100	190	190	190	2900	5200	7200	6100	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	6.3 U
Pyrene	mg/kg		480	ID	480	1000000	780000	780000	780000	2900000	84000	150000	110000	7.6 U	8.3 U	8.6 U	0.3 U	0.29 U	13
<b>Wet</b>																			
Total Solids	%													87.3	79.4	76.4	88.9	92.1	83.8

Notes:  
 U - Not present at or above the associated value.  
 J - Estimated concentration.  
 UJ - Estimated reporting limit.  
 R - Rejected.

TABLE 3

SUMMARY OF ANALYTICAL RESULTS IN SOIL SAMPLES COMPARED TO MICHIGAN ACT 451, PART 201 INDUSTRIAL CRITERIA  
 GENERAL MOTORS CORPORATION  
 GRAND RAPIDS METAL PLANT  
 WYOMING, MICHIGAN

Sample Location	SB27-07	SB27-07	SB27-07	SB27-07	SB28-07	SB28-07	SB28-07	SB28-07	SB28-07	SB28-07	SB29-07	SB29-07	SB29-07	SB29-07	SB29-07	SB30-07	SB30-07	SB30-07	SB30-07	SB30-07	SB30-07	SB30-07
Sample Identification (SO-17360-071007-)	BW-624	BW-625	BW-626	BW-627	BW-628	BW-629	BW-630	BW-631	BW-632	BW-633	BW-634	BW-635	BW-636	BW-637	BW-644	BW-645	BW-646	BW-647	BW-648	BW-649		
Sample Date	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007
Sample Depth	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS		
Sample Type	<i>Units</i>																				<i>Duplicate</i>	
<b>Metals</b>																						
Antimony	mg/kg	29.6 J <sup>b</sup>	R	R	R	R	R	4.2 J	R	R	1.3 J	0.74 J	R	R	R	0.17 UJ	0.17 UJ	0.16 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ
Arsenic	mg/kg	14.5 J <sup>ab</sup>	50.3 J <sup>abjkl</sup>	3.0 J	0.77 J	3.5 J	3.1 J	31.9 J <sup>ab</sup>	3.7 J	1.4 J	2.5 J	0.71 J	0.98 J	1.0 J	1.4 J	1.4	1.2	1.1	0.87	1.6	0.92	
Barium	mg/kg	1050 J <sup>bc</sup>	89.8 J	21.7 J	7.6 J	48.4 J	76.2 J	476 J <sup>bc</sup>	11.2 J	12.9 J	21.9 J	2.4 J	25.7 J	6.7 J	5.9 J	19.7	42.6	7.9	7.8	8.9	8.2	
Beryllium	mg/kg	0.19 U	0.44	0.21 U	0.19 U	0.59	2.2	0.18 U	0.17 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.17 U	0.17 U
Cadmium	mg/kg	28.3 J <sup>abc</sup>	0.28 J	R	R	R	R	7.6 J <sup>abc</sup>	R	R	0.13 J	0.094 J	1.4 J	0.67 J	0.12 J	0.083 U	0.083 U	0.082 U	0.083 U	0.083 U	0.083 U	0.083 U
Chromium Total	mg/kg	13200 <sup>abcjkl</sup>	14.6 J	4.4 J	8.6 J	6.8 J	6.6 J	1460 J <sup>abc</sup>	6.5 J	6.1 J	41.0 J <sup>abc</sup>	16.5 J	6.9 J	6.6 J	8.0 J	5.8 J	6.6 J	3.8 J	3.0 J	6.1 J	4.8 J	
Cobalt	mg/kg	146 J <sup>abc</sup>	4.8 J	0.64 J	2.6 J	4.5 J	7.8 J <sup>abc</sup>	35.4 J <sup>abc</sup>	2.0 J	1.7 J	7.4 J <sup>abc</sup>	0.78 J	1.8 J	2.6 J	1.8 J	2.4	2.0	1.5	1.4	1.7	1.6	
Copper	mg/kg	2480 <sup>ac</sup>	34.4	3.1	2.8	118 <sup>ac</sup>	55.0	838 <sup>ac</sup>	3.4	3.7	19.5	5.0	2.1	3.5	3.4	5.4 J	10.9 J	3.3 J	3.6 J	6.9 J	7.0 J	
Lead	mg/kg	5830 <sup>abjkl</sup>	42.2	4.2	3.1	16.5	3.6	1170 <sup>abjkl</sup>	2.4	2.1	11.8	6.4	4.1	2.5	1.7	9.0	9.3	3.8	2.8	4.8	4.4	
Manganese	mg/kg	7180 <sup>abc</sup>	97.5	22.5	34.7	63.1	114	1580 <sup>abc</sup>	46.7	30.0	108	67.6	39.0	51.7	33.6	141 J	95.0 J	75.3 J	76.9 J	82.6 J	76.8 J	
Mercury	mg/kg	0.047 U	0.060 U	0.051 U	0.049 U	0.044 U	0.046 U	0.045 U	0.043 U	0.043 U	0.042 U	0.041 U	0.043 U	0.043 U	0.042 U	0.042 U	0.042 U	0.041 U	0.042 U	0.041 U	0.042 U	0.042 U
Nickel	mg/kg	6710 <sup>abc</sup>	29.1 J	2.7 J	6.0 J	8.3 J	14.2 J	566 J <sup>abc</sup>	5.3 J	5.4 J	21.6 J	14.4 J	8.0 J	3.9 J	4.4 J	5.6	7.8	4.0	3.2	11.2	10.9	
Selenium	mg/kg	0.78 J <sup>ac</sup>	3.5 J <sup>ac</sup>	0.82 J <sup>ac</sup>	0.33 J	0.23 J	0.27 J	0.68 J <sup>ac</sup>	0.17 UJ	0.17 UJ	0.22 J	0.16 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 U	0.17 U	0.16 U	0.17 U	0.17 U	0.17 U	0.17 U
Silver	mg/kg	13.5 J <sup>abc</sup>	0.14 J	0.10 UJ	0.097 UJ	0.32 J	0.091 UJ	2.4 J <sup>ac</sup>	0.086 UJ	0.085 UJ	2.9 J <sup>ac</sup>	2.5 J <sup>ac</sup>	1.2 J <sup>ac</sup>	0.093 J	0.084 UJ	0.083 U	0.083 U	0.082 U	0.083 U	0.11	0.083 U	0.083 U
Thallium	mg/kg	0.14	0.61	0.10 U	0.097 U	0.089 U	0.091 U	0.21	0.086 U	0.085 U	0.084 U	0.082 U	0.086 U	0.085 U	0.084 U	0.083 U	0.083 U	0.082 U	0.083 U	0.083 U	0.083 U	0.083 U
Vanadium	mg/kg	55.7 J	11.4 J	8.4 J	10.2 J	7.6 J	13.3 J	79.0 J	10.7 J	7.3 J	8.5 J	0.82 UJ	7.8 J	16.7 J	7.8 J	7.6	5.2	5.3	4.8	4.9	4.9	
Zinc	mg/kg	7520 <sup>abc</sup>	82.1	4.2	8.6	38.6	7.4	792 <sup>ac</sup>	8.2	8.3	10.6	6.4	29.9	5.0	8.2	14.8	16.7	14.3	10.7	20.4	9.5	
<b>PNAs</b>																						
2-Methylnaphthalene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Acenaphthene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Acenaphthylene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Anthracene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Benzo(a)anthracene	mg/kg	0.33	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Benzo(a)pyrene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Benzo(b)fluoranthene	mg/kg	0.67	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Benzo(g,h,i)perylene	mg/kg	0.46	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Benzo(k)fluoranthene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Chrysene	mg/kg	0.58	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Dibenz(a,h)anthracene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Fluoranthene	mg/kg	0.74	20 U	17 U	8 U	0.55	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.33	0.27 U	0.31	1.1 U	0.27 U	
Fluorene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.32	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Naphthalene	mg/kg	0.31 U	20 U	17 U	8 U	0.29 U	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Phenanthrene	mg/kg	0.58	20 U	17 U	8 U	0.45	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
Pyrene	mg/kg	0.36	20 U	17 U	8 U	0.35	6 U	15 U	0.28 U	0.28 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	1.1 U	0.27 U
<b>Wet</b>																						
Total Solids	%	84.5	66.8	77.7	82.4	89.9	87.5	89.6	93.5	94.1	95.8	97.6	93.0	94.1	95.4	95.9	96.1	97.1	96.1	96.5	96.1	

Notes:  
 U - Not present at or above the associated valu  
 J - Estimated concentration.  
 UJ - Estimated reporting limit.  
 R - Rejected.

TABLE 3

SUMMARY OF ANALYTICAL RESULTS IN SOIL SAMPLES COMPARED TO MICHIGAN ACT 451, PART 201 INDUSTRIAL CRITERIA  
 GENERAL MOTORS CORPORATION  
 GRAND RAPIDS METAL PLANT  
 WYOMING, MICHIGAN

Sample Location		SB31-07	SB31-07	SB31-07	SB31-07	SB31-07	SB31-07	SB32-07	SB32-07	SB32-07	SB32-07	SB32-07	SB33-07	SB33-07	SB33-07	SB33-07	SB33-07	SB33-07	SB33-07
Sample Identification (SO-17360-071007-)		BW-656	BW-657	BW-658	BW-659	BW-660	BW-661	BW-638	BW-639	BW-640	BW-641	BW-642	BW-643	BW-650	BW-651	BW-652	BW-653	BW-654	BW-655
Sample Date		7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007
Sample Depth		0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS
Sample Type	Units	Duplicate																	
<b>Metals</b>																			
Antimony	mg/kg	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.59 J	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.17 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.17 UJ	0.17 UJ	0.17 UJ
Arsenic	mg/kg	1.8	1.6	2.6 J	1.3 J	1.4 J	2.0 J	1.7	1.1	1.4	1.0	1.0	0.76	1.3	1.6	1.2	2.3	1.5	2.8
Barium	mg/kg	9.2	12.3	9.3	7.0	27.7	33.0	49.7	22.0	25.8	18.0	18.5	9.6	11.8	13.1	7.8	9.2	26.0	37.6
Beryllium	mg/kg	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.17 U	0.17 U	0.17 U
Cadmium	mg/kg	0.083 U	0.084 U	0.083 U	0.083 U	0.10 J	0.40 J	0.96	0.11	0.17	0.084 U	0.085 U	0.085 U	0.082 U	0.082 U	0.082 U	0.085 U	0.12	0.084 U
Chromium Total	mg/kg	4.1 J	4.6 J	3.9	3.8	8.4 J	70.9 J <sup>ABC</sup>	21.5 J <sup>BC</sup>	7.0 J	9.2 J	11.4 J	6.4 J	5.2 J	4.3 J	4.8 J	3.7 J	4.5 J	6.4 J	4.2 J
Cobalt	mg/kg	1.8	3.5	2.3	1.5	2.3 J	14.2 J <sup>ABC</sup>	3.7	2.0	2.5	3.0	2.0	1.9	3.4	2.7	2.2	2.2	2.5	1.7
Copper	mg/kg	4.9 J	7.1 J	5.8	3.9	6.7 J	49.0 J	57.5 J	11.7 J	20.5 J	6.0 J	5.0 J	4.2 J	6.5 J	6.9 J	5.1 J	6.5 J	10.5 J	4.6 J
Lead	mg/kg	5.7	6.6	7.1	3.7	8.4 J	40.4 J	65.8	12.3	14.5	5.7	5.4	3.9	6.6	6.2	5.9	5.5	17.5 J	5.6 J
Manganese	mg/kg	125 J	149 J	127 J	102 J	141 J	239 J	165 J	81.0 J	108 J	94.9 J	68.1 J	41.7 J	122 J	128 J	182 J	159 J	121 J	74.7 J
Mercury	mg/kg	0.041 U	0.042 U	0.041 U	0.041 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.042 U	0.041 U	0.041 U	0.041 U	0.042 U	0.042 U	0.042 U
Nickel	mg/kg	3.8	4.5	3.7	3.6	6.9 J	44.6 J	37.1	5.6	10.7	7.6	4.6	4.0	4.4	4.6	3.9	5.5	5.9	3.8
Selenium	mg/kg	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.17 U	0.17 U	0.17 U
Silver	mg/kg	0.083 U	0.084 U	0.083 U	0.083 U	0.085 U	0.59	0.17	0.084 U	0.10	0.084 U	0.085 U	0.085 U	0.082 U	0.082 U	0.082 U	0.085 U	0.084 U	0.084 U
Thallium	mg/kg	0.083 U	0.084 U	0.083 U	0.083 U	0.085 U	0.085 U	0.084 U	0.084 U	0.085 U	0.084 U	0.085 U	0.085 U	0.082 U	0.082 U	0.082 U	0.085 U	0.084 U	0.084 U
Vanadium	mg/kg	6.1	6.2	7.2	5.0	6.5	8.8	7.5	5.9	8.0	8.5	6.7	6.7	5.3	6.2	5.6	6.1	6.8	5.5
Zinc	mg/kg	15.6	14.2	14.5 J	11.8 J	14.7 J	61.3 J	73.0	25.4	42.7	20.8	13.0	10.5	13.0	12.4	13.8	21.4	20.7	21.3
<b>PNAs</b>																			
2-Methylnaphthalene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Acenaphthene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Acenaphthylene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Anthracene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Benzo(a)anthracene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Benzo(a)pyrene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	R	0.28 U	1.4 U
Benzo(b)fluoranthene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Benzo(g,h,i)perylene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Benzo(k)fluoranthene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Chrysene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Dibenz(a,h)anthracene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Fluoranthene	mg/kg	0.27 U	0.28 U	0.27 U	0.31	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Fluorene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Naphthalene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Phenanthrene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
Pyrene	mg/kg	0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 U	0.27 U	0.27 U	1.1 U	0.28 U	1.4 U
<b>Wet</b>																			
Total Solids	%	96.6	95.2	96.6	96.8	94.5	94.3	95.1	95.7	94.6	94.7	94.6	94.4	98.1	97.4	97.2	94.3	95.5	95.4

Notes:  
 U - Not present at or above the associated value.  
 J - Estimated concentration.  
 UJ - Estimated reporting limit.  
 R - Rejected.

ATTACHMENT A  
STRATIGRAPHIC SOIL BORING LOGS



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB26-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	ASPHALT SM-SANDS, with silts, fine and medium sands, trace fine gravels, loose, black, moist	0.40		0-2' -618				831
4	- some medium gravels at 5.2ft BGS			10P- 2-4' -619		60		624
6				4-6' -620				297
8	SP-SANDS, fine grained, poorly graded, loose, brown, moist	8.30		6-8' -621 2DP		95		241
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -622				2.4
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB27-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	ASPHALT SM-SANDS, with silts, fine to medium sands, trace fine gravels, loose, black, moist  - 0.4' medium sands at 8.1ft BGS  SP-SANDS, fine grained, poorly graded, compact, gray, moist to wet END OF BOREHOLE @ 10.0ft BGS	0.30         9.00 10.00	<p style="text-align: center;">CONCRETE</p> <p style="text-align: center;">2-5/8" BOREHOLE</p> <p style="text-align: center;">BACKFILLED WITH BENTONITE CHIPS</p>	0-2' 623  1DP 2-4' 624  4-6' 625  6-8' 626 2DP  8-10' 627	50   90	0.4  0.1  0.0  0.0  0.0		

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB28-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE SM-SANDS, with silts, some slag material, fine to medium sands, trace fine gravels, compact, black, moist	0.40	 CONCRETE 2-5/8" BOREHOLE BACKFILLED WITH BENTONITE CHIPS	0-2' -628		40		0.3
4				10P 2-4' -629				0.2
6				4-6' -630				0.0
8	SP-SANDS, fine grained, poorly graded, loose, grayish brown, moist	7.50		6-8' -631 2DP		50		0.1
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -632				0.1
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB29-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE SW-SANDS (FILL), with slag material, fine to medium grained, well graded, black, brittle, moist SP-SANDS (FILL), fine grained, poorly graded, loose, brown, moist - trace fine gravels at 2.8ft BGS - some medium sands at 4.6ft BGS - grayish brown at 9.2ft BGS END OF BOREHOLE @ 10.0ft BGS	1.00 1.90 10.00		CONCRETE 2-5/8" BOREHOLE BACKFILLED WITH BENTONITE CHIPS	0-2' -633 1DP 2-4' -634 4-6' -635 6-8' -636 2DP 8-10' -637	60 80		0.0 0.0 0.1 0.1 0.1

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB30-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2' -644				0.0
4	SP-SANDS, fine grained, poorly graded, some oxidation banding, loose, light brown, moist  - trace medium gravels at 3.0ft BGS		2-5/8" BOREHOLE	1DP 2-4' -645		70		0.0
6	- some silts at 5.7ft BGS			4-6' -646				0.0
8	- dark brown at 8.2ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8' -647 2DP		90		0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -648				0.0
10				8-10' -649 DUP				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB31-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
	CONCRETE	1.10		0-2' -656				1.1
2	SP-SANDS (FILL), fine grained, poorly graded, some silts, trace fine gravels, loose, medium brown, moist - trace medium gravels at 2.7ft BGS   - light brown at 8.0ft BGS			10P 2-4' -657		50		0.0
4				4-6' -658			0.2	
6				6-8' -659 2DP		50		0.0
8				8-10' -660				0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB32-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2' -638				0.2
4	SP-SANDS (FILL), fine grained, poorly graded, loose, some oxidation staining, brown, moist - some silts at 2.2ft BGS		2-5/8" BOREHOLE	1DP 2-4' -639		60		0.0
6	- trace fine gravels at 6.4ft BGS			4-6' -640				0.0
8	- very moist, gray at 8.9ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8' -641 2DP		90		0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -642				0.0
10				8-10' -643 DUP				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: GM GRAND RAPIDS  
 PROJECT NUMBER: 17360-10  
 CLIENT: GENERAL MOTORS  
 LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB33-07  
 DATE COMPLETED: July 10, 2007  
 DRILLING METHOD: DIRECT PUSH  
 FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2' -650				0.0
4	SP-SANDS (FILL), fine grained, poorly graded, loose, light brown, moist		2-5/8" BOREHOLE	1DP 2-4' -651		50		0.0
6	- trace fine gravels at 4.9ft BGS			4-6' -652				0.0
8	- some medium sands at 6.2ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8' -653 2DP		75		0.0
10	- some black staining at 8.4ft BGS			8-10' -654				0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -665 DUP				

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 17360-10.GPJ CRA\_CORP.GDT 8/2/07

ATTACHMENT B  
LABORATORY ANALYTICAL DATA

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# STL

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## ANALYTICAL REPORT

PROJECT NO. 17360

GM GR SSOW# E030012

Lot #: A7G120192

SDG #: 7G12192

Kathy Shaw

Conestoga-Rovers & Associates  
45 Farmington Valley Drive  
Plainville, CT 06062

TESTAMERICA LABORATORIES, INC. (FKA STL)



Denise D. Heckler  
Project Manager

July 30, 2007

# CASE NARRATIVE

7G12192

The following report contains the analytical results for forty-five solid samples and one water sample submitted to TestAmerica (formerly STL North Canton) by Conestoga-Rovers & Associates Inc. from the GM GR SSOW# E030012 Site, project number 17360. The samples were received July 11, 2007, according to documented sample acceptance procedures.

This SDG consists of (1) laboratory ID's: A7G120192.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Denise D. Heckler, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 323.

## **CASE NARRATIVE (continued)**

### **SUPPLEMENTAL QC INFORMATION**

#### **SAMPLE RECEIVING**

The temperatures of the coolers upon sample receipt were 1.6 and 6.2°C, with wet ice present.

Sample(s) W-17360-071007-BW-663 was collected on July 10, 2007 and received in the laboratory on July 11, 2007. Sample Receiving missed giving the Corrosivity to Wet Chemistry on July 11, 2007. The error was discovered and the sample was given to Wet Chemistry on July 12, 2007, after the sample had expired.

See TestAmerica's Cooler Receipt Form for additional information.

#### **GC/MS VOLATILES**

The matrix spike/matrix spike duplicate(s) for batch(es) 7205474 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

#### **GC/MS SEMIVOLATILES**

The matrix spike/matrix spike duplicate(s) for SO-17360-071007-BW-618 and SO-17360-071007-BW-653 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

There were no client requested Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples in batch(es) 7200054 and 7200055. Therefore, the laboratory has included a Laboratory Control Sample Duplicate (LCSD) in the QC batch. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system.

Sample(s) SO-17360-071007-BW-618, SO-17360-071007-BW-619, SO-17360-071007-BW-620, SO-17360-071007-BW-625, SO-17360-071007-BW-626, SO-17360-071007-BW-627, SO-17360-071007-BW-629, SO-17360-071007-BW-630, SO-17360-071007-BW-648, SO-17360-071007-BW-653, and SO-17360-071007-BW-655 had elevated reporting limits due to matrix interference.

Sample(s) SO-17360-071007-BW-621 and SO-17360-071007-BW-622 were double surrogated. Recoveries were adjusted accordingly.

## CASE NARRATIVE (continued)

### METALS

Serial dilution of a sample in this lot indicates that physical and chemical interferences were present. Refer to the sample report pages for the affected analytes flagged with "E".

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

Matrix spike recovery and relative percent difference (RPD) data were not calculated for some analytes for SO-17360-071007-BW-618, SO-17360-071007-BW-653 and SO-17360-071007-BW-658 due to the sample concentration reading greater than four times the spike amount. See the Matrix Spike Report for the affected analytes which will be flagged with "NC, MSB".

The matrix spike/matrix spike duplicate(s) for SO-17360-071007-BW-618, SO-17360-071007-BW-653 and SO-17360-071007-BW-658 had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

Due to an analyst oversight, a serial dilution was not analyzed for batch(es) 7199022. Since the serial dilution only impacts the flagging of data outside the acceptance criteria for the parent sample, the results have been reported.

Some reporting limits are lower than our standard reporting limit (SRL) but are supported by the laboratory's MDL and/or IDLs; however, there are no standards in the calibration curve low enough to support these value(s). The continuing calibration blanks and method blanks may not support the lower RL.

### GENERAL CHEMISTRY

Reactive Cyanide and/or Reactive Sulfide results have been reported herein with an SW846 method reference. Although the analyses are based on the referenced methods, US EPA has amended sections 7.3.3 and 7.3.4 of SW846-Chapter Seven to withdraw the Cyanide and Sulfide reactivity guidance from *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* in June of 2005 (6/14/05; 70 FR 34537). The analyses are no longer approved by USEPA for use in complying with RCRA regulations.

## QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

### **QC BATCH**

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton (formerly STL North Canton) requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

### **LABORATORY CONTROL SAMPLE**

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

### **METHOD BLANK**

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

<b><u>Volatile (GC or GC/MS)</u></b>	<b><u>Semivolatile (GC/MS)</u></b>	<b><u>Metals ICP-MS</u></b>	<b><u>Metals ICP Trace</u></b>
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

## QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

### **MATRIX SPIKE/MATRIX SPIKE DUPLICATE**

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

### **SURROGATE COMPOUNDS**

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



### **TestAmerica North Canton (formerly STL North Canton) Certifications and Approvals:**

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),  
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP  
(#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-618 07/10/07 08:35 001</b>				
Silver	7.0	0.092	mg/kg	SW846 6020
Arsenic	13.1	0.092	mg/kg	SW846 6020
Antimony	17.4	0.18	mg/kg	SW846 6020
Selenium	0.52	0.18	mg/kg	SW846 6020
Zinc	4090	9.2	mg/kg	SW846 6020
Aluminum	2670	18.3	mg/kg	SW846 6010B
Barium	414	0.92	mg/kg	SW846 6010B
Calcium	6910	458	mg/kg	SW846 6010B
Cadmium	4.9	0.18	mg/kg	SW846 6010B
Cobalt	27.6	0.46	mg/kg	SW846 6010B
Chromium	270	0.46	mg/kg	SW846 6010B
Copper	985	0.92	mg/kg	SW846 6010B
Iron	109000	18.3	mg/kg	SW846 6010B
Magnesium	2870	91.6	mg/kg	SW846 6010B
Manganese	1120	1.8	mg/kg	SW846 6010B
Sodium	524	91.6	mg/kg	SW846 6010B
Nickel	255	0.92	mg/kg	SW846 6010B
Lead	904	0.55	mg/kg	SW846 6010B
Vanadium	26.2	1.8	mg/kg	SW846 6010B
Percent Solids	87.3	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-619 07/10/07 08:40 002</b>				
Silver	14.3	0.10	mg/kg	SW846 6020
Arsenic	18.2	0.10	mg/kg	SW846 6020
Antimony	34.8	0.20	mg/kg	SW846 6020
Selenium	0.97	0.20	mg/kg	SW846 6020
Thallium	0.12	0.10	mg/kg	SW846 6020
Zinc	5040	10.1	mg/kg	SW846 6020
Aluminum	9260	20.2	mg/kg	SW846 6010B
Barium	2230	1.0	mg/kg	SW846 6010B
Calcium	16000	504	mg/kg	SW846 6010B
Cadmium	54.0	1.0	mg/kg	SW846 6010B
Cobalt	118	0.50	mg/kg	SW846 6010B
Chromium	2380	0.50	mg/kg	SW846 6010B
Copper	4410	10.1	mg/kg	SW846 6010B
Iron	276000	101	mg/kg	SW846 6010B
Potassium	1260	504	mg/kg	SW846 6010B
Magnesium	4330	101	mg/kg	SW846 6010B
Manganese	3280	10.1	mg/kg	SW846 6010B
Sodium	2160	101	mg/kg	SW846 6010B
Nickel	1780	1.0	mg/kg	SW846 6010B
Lead	3420	3.0	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-619 07/10/07 08:40 002</b>				
Vanadium	94.6	10.1	mg/kg	SW846 6010B
Percent Solids	79.4	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-620 07/10/07 08:45 003</b>				
Silver	0.17	0.10	mg/kg	SW846 6020
Arsenic	4.1	0.10	mg/kg	SW846 6020
Selenium	0.40	0.21	mg/kg	SW846 6020
Zinc	112	1.0	mg/kg	SW846 6020
Aluminum	3690	20.9	mg/kg	SW846 6010B
Barium	27.4	1.0	mg/kg	SW846 6010B
Calcium	3960	523	mg/kg	SW846 6010B
Cadmium	0.48	0.10	mg/kg	SW846 6010B
Cobalt	2.2	0.52	mg/kg	SW846 6010B
Chromium	12.3	0.52	mg/kg	SW846 6010B
Copper	21.2	1.0	mg/kg	SW846 6010B
Iron	6580	10.5	mg/kg	SW846 6010B
Magnesium	657	105	mg/kg	SW846 6010B
Manganese	96.2	1.0	mg/kg	SW846 6010B
Sodium	1260	105	mg/kg	SW846 6010B
Nickel	26.6	1.0	mg/kg	SW846 6010B
Lead	25.8	0.31	mg/kg	SW846 6010B
Vanadium	9.5	1.0	mg/kg	SW846 6010B
Percent Solids	76.4	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-621 07/10/07 08:50 004</b>				
Arsenic	11.9	0.090	mg/kg	SW846 6020
Zinc	6.6	0.90	mg/kg	SW846 6020
Aluminum	2570	18.0	mg/kg	SW846 6010B
Barium	23.7	0.90	mg/kg	SW846 6010B
Calcium	669	450	mg/kg	SW846 6010B
Cobalt	2.4	0.45	mg/kg	SW846 6010B
Chromium	8.5	0.45	mg/kg	SW846 6010B
Copper	4.1	0.90	mg/kg	SW846 6010B
Iron	14600	9.0	mg/kg	SW846 6010B
Magnesium	767	90.0	mg/kg	SW846 6010B
Manganese	220	0.90	mg/kg	SW846 6010B
Sodium	383	90.0	mg/kg	SW846 6010B
Nickel	5.6	0.90	mg/kg	SW846 6010B
Lead	3.7	0.27	mg/kg	SW846 6010B
Vanadium	13.3	0.90	mg/kg	SW846 6010B
Percent Solids	88.9	10.0	%	MCAWW 160.3 MOD

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-622 07/10/07 08:55 005</b>				
Arsenic	1.8	0.087	mg/kg	SW846 6020
Zinc	10.3	0.87	mg/kg	SW846 6020
Aluminum	2550	17.4	mg/kg	SW846 6010B
Barium	10.4	0.87	mg/kg	SW846 6010B
Calcium	709	434	mg/kg	SW846 6010B
Cobalt	2.6	0.43	mg/kg	SW846 6010B
Chromium	11.5	0.43	mg/kg	SW846 6010B
Copper	6.0	0.87	mg/kg	SW846 6010B
Iron	5460	8.7	mg/kg	SW846 6010B
Magnesium	928	86.9	mg/kg	SW846 6010B
Manganese	36.6	0.87	mg/kg	SW846 6010B
Sodium	414	86.9	mg/kg	SW846 6010B
Nickel	6.3	0.87	mg/kg	SW846 6010B
Lead	2.5	0.26	mg/kg	SW846 6010B
Vanadium	8.4	0.87	mg/kg	SW846 6010B
Percent Solids	92.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-623 07/10/07 09:15 006</b>				
Silver	5.5	0.095	mg/kg	SW846 6020
Arsenic	10.3	0.095	mg/kg	SW846 6020
Antimony	4.7	0.19	mg/kg	SW846 6020
Selenium	0.44	0.19	mg/kg	SW846 6020
Thallium	0.11	0.095	mg/kg	SW846 6020
Zinc	2990	9.5	mg/kg	SW846 6020
Aluminum	3150	19.1	mg/kg	SW846 6010B
Barium	745	0.95	mg/kg	SW846 6010B
Calcium	18500	477	mg/kg	SW846 6010B
Cadmium	5.8	0.48	mg/kg	SW846 6010B
Cobalt	47.2	0.48	mg/kg	SW846 6010B
Chromium	424	0.48	mg/kg	SW846 6010B
Copper	1790	0.95	mg/kg	SW846 6010B
Iron	186000	47.7	mg/kg	SW846 6010B
Magnesium	5010	95.5	mg/kg	SW846 6010B
Manganese	3140	4.8	mg/kg	SW846 6010B
Sodium	2450	95.5	mg/kg	SW846 6010B
Nickel	449	0.95	mg/kg	SW846 6010B
Lead	1630	1.4	mg/kg	SW846 6010B
Vanadium	22.0	4.8	mg/kg	SW846 6010B
Benzo(a)anthracene	12000	6300	ug/kg	SW846 8270C
Benzo(a)pyrene	25000	6300	ug/kg	SW846 8270C
Benzo(b)fluoranthene	35000	6300	ug/kg	SW846 8270C
Benzo(ghi)perylene	24000	6300	ug/kg	SW846 8270C

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-623 07/10/07 09:15 006</b>				
Benzo(k)fluoranthene	14000	6300	ug/kg	SW846 8270C
Chrysene	15000	6300	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	6400	6300	ug/kg	SW846 8270C
Fluoranthene	13000	6300	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	21000	6300	ug/kg	SW846 8270C
Pyrene	13000	6300	ug/kg	SW846 8270C
Percent Solids	83.8	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-624 07/10/07 09:20 007</b>				
Silver	13.5	0.095	mg/kg	SW846 6020
Arsenic	14.5	0.095	mg/kg	SW846 6020
Antimony	29.6	0.19	mg/kg	SW846 6020
Selenium	0.78	0.19	mg/kg	SW846 6020
Thallium	0.14	0.095	mg/kg	SW846 6020
Zinc	7520	18.9	mg/kg	SW846 6020
Aluminum	4060	18.9	mg/kg	SW846 6010B
Barium	1050	0.95	mg/kg	SW846 6010B
Calcium	36200	474	mg/kg	SW846 6010B
Cadmium	28.3	0.47	mg/kg	SW846 6010B
Cobalt	146	0.47	mg/kg	SW846 6010B
Chromium	13200	2.4	mg/kg	SW846 6010B
Copper	2480	0.95	mg/kg	SW846 6010B
Iron	278000	47.4	mg/kg	SW846 6010B
Potassium	666	474	mg/kg	SW846 6010B
Magnesium	3090	94.7	mg/kg	SW846 6010B
Manganese	7180	4.7	mg/kg	SW846 6010B
Sodium	2220	94.7	mg/kg	SW846 6010B
Nickel	6710	4.7	mg/kg	SW846 6010B
Lead	5830	1.4	mg/kg	SW846 6010B
Vanadium	55.7	4.7	mg/kg	SW846 6010B
Benzo(a)anthracene	330	310	ug/kg	SW846 8270C
Benzo(b)fluoranthene	670	310	ug/kg	SW846 8270C
Benzo(ghi)perylene	460	310	ug/kg	SW846 8270C
Chrysene	580	310	ug/kg	SW846 8270C
Fluoranthene	740	310	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	320	310	ug/kg	SW846 8270C
Phenanthrene	580	310	ug/kg	SW846 8270C
Pyrene	360	310	ug/kg	SW846 8270C
Percent Solids	84.5	10.0	%	MCAWW 160.3 MOD

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-625 07/10/07 09:25 008</b>				
Silver	0.14	0.12	mg/kg	SW846 6020
Arsenic	50.3	0.12	mg/kg	SW846 6020
Selenium	3.5	0.24	mg/kg	SW846 6020
Thallium	0.61	0.12	mg/kg	SW846 6020
Zinc	82.1	1.2	mg/kg	SW846 6020
Aluminum	2920	24.0	mg/kg	SW846 6010B
Barium	89.8	1.2	mg/kg	SW846 6010B
Beryllium	0.44	0.24	mg/kg	SW846 6010B
Calcium	18100	599	mg/kg	SW846 6010B
Cadmium	0.28	0.12	mg/kg	SW846 6010B
Cobalt	4.8	0.60	mg/kg	SW846 6010B
Chromium	14.6	0.60	mg/kg	SW846 6010B
Copper	34.4	1.2	mg/kg	SW846 6010B
Iron	4950	12.0	mg/kg	SW846 6010B
Magnesium	3630	120	mg/kg	SW846 6010B
Manganese	97.5	1.2	mg/kg	SW846 6010B
Sodium	1770	120	mg/kg	SW846 6010B
Nickel	29.1	1.2	mg/kg	SW846 6010B
Lead	42.2	0.36	mg/kg	SW846 6010B
Vanadium	11.4	1.2	mg/kg	SW846 6010B
Percent Solids	66.8	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-626 07/10/07 09:30 009</b>				
Arsenic	3.0	0.10	mg/kg	SW846 6020
Selenium	0.82	0.21	mg/kg	SW846 6020
Zinc	4.2	1.0	mg/kg	SW846 6020
Aluminum	2720	20.6	mg/kg	SW846 6010B
Barium	21.7	1.0	mg/kg	SW846 6010B
Calcium	3920	515	mg/kg	SW846 6010B
Cobalt	0.64	0.51	mg/kg	SW846 6010B
Chromium	4.4	0.51	mg/kg	SW846 6010B
Copper	3.1	1.0	mg/kg	SW846 6010B
Iron	2480	10.3	mg/kg	SW846 6010B
Magnesium	404	103	mg/kg	SW846 6010B
Manganese	22.5	1.0	mg/kg	SW846 6010B
Sodium	1620	103	mg/kg	SW846 6010B
Nickel	2.7	1.0	mg/kg	SW846 6010B
Lead	4.2	0.31	mg/kg	SW846 6010B
Vanadium	8.4	1.0	mg/kg	SW846 6010B
Percent Solids	77.7	10.0	%	MCAWW 160.3 MOD

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-627 07/10/07 09:35 010</b>				
Arsenic	0.77	0.097	mg/kg	SW846 6020
Selenium	0.33	0.19	mg/kg	SW846 6020
Zinc	8.6	0.97	mg/kg	SW846 6020
Aluminum	2780	19.4	mg/kg	SW846 6010B
Barium	7.6	0.97	mg/kg	SW846 6010B
Calcium	943	486	mg/kg	SW846 6010B
Cobalt	2.6	0.49	mg/kg	SW846 6010B
Chromium	8.6	0.49	mg/kg	SW846 6010B
Copper	2.8	0.97	mg/kg	SW846 6010B
Iron	3800	9.7	mg/kg	SW846 6010B
Magnesium	1210	97.1	mg/kg	SW846 6010B
Manganese	34.7	0.97	mg/kg	SW846 6010B
Sodium	448	97.1	mg/kg	SW846 6010B
Nickel	6.0	0.97	mg/kg	SW846 6010B
Lead	3.1	0.29	mg/kg	SW846 6010B
Vanadium	10.2	0.97	mg/kg	SW846 6010B
Percent Solids	82.4	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-628 07/10/07 09:55 011</b>				
Silver	0.32	0.089	mg/kg	SW846 6020
Arsenic	3.5	0.089	mg/kg	SW846 6020
Selenium	0.23	0.18	mg/kg	SW846 6020
Zinc	38.6	0.89	mg/kg	SW846 6020
Aluminum	4220	17.8	mg/kg	SW846 6010B
Barium	48.4	0.89	mg/kg	SW846 6010B
Beryllium	0.59	0.18	mg/kg	SW846 6010B
Calcium	3690	445	mg/kg	SW846 6010B
Cobalt	4.5	0.44	mg/kg	SW846 6010B
Chromium	6.8	0.44	mg/kg	SW846 6010B
Copper	118	0.89	mg/kg	SW846 6010B
Iron	3280	8.9	mg/kg	SW846 6010B
Magnesium	234	89.0	mg/kg	SW846 6010B
Manganese	63.1	0.89	mg/kg	SW846 6010B
Sodium	755	89.0	mg/kg	SW846 6010B
Nickel	8.3	0.89	mg/kg	SW846 6010B
Lead	16.5	0.27	mg/kg	SW846 6010B
Vanadium	7.6	0.89	mg/kg	SW846 6010B
Fluoranthene	550	290	ug/kg	SW846 8270C
Phenanthrene	450	290	ug/kg	SW846 8270C
Pyrene	350	290	ug/kg	SW846 8270C
Percent Solids	89.9	10.0	%	MCAWW 160.3 MOD

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-629 07/10/07 10:00 012</b>				
Arsenic	3.1	0.091	mg/kg	SW846 6020
Selenium	0.27	0.18	mg/kg	SW846 6020
Zinc	7.4	0.91	mg/kg	SW846 6020
Aluminum	7860	18.3	mg/kg	SW846 6010B
Barium	76.2	0.91	mg/kg	SW846 6010B
Beryllium	2.2	0.18	mg/kg	SW846 6010B
Calcium	9770	457	mg/kg	SW846 6010B
Cobalt	7.8	0.46	mg/kg	SW846 6010B
Chromium	6.6	0.46	mg/kg	SW846 6010B
Copper	55.0	0.91	mg/kg	SW846 6010B
Iron	6800	9.1	mg/kg	SW846 6010B
Magnesium	407	91.4	mg/kg	SW846 6010B
Manganese	114	0.91	mg/kg	SW846 6010B
Sodium	1260	91.4	mg/kg	SW846 6010B
Nickel	14.2	0.91	mg/kg	SW846 6010B
Lead	3.6	0.27	mg/kg	SW846 6010B
Vanadium	13.3	0.91	mg/kg	SW846 6010B
Percent Solids	87.5	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-630 07/10/07 10:05 013</b>				
Silver	2.4	0.089	mg/kg	SW846 6020
Arsenic	31.9	0.089	mg/kg	SW846 6020
Antimony	4.2	0.18	mg/kg	SW846 6020
Selenium	0.68	0.18	mg/kg	SW846 6020
Thallium	0.21	0.089	mg/kg	SW846 6020
Zinc	792	4.5	mg/kg	SW846 6020
Aluminum	3080	17.9	mg/kg	SW846 6010B
Barium	476	0.89	mg/kg	SW846 6010B
Calcium	13500	446	mg/kg	SW846 6010B
Cadmium	7.6	0.18	mg/kg	SW846 6010B
Cobalt	35.4	0.45	mg/kg	SW846 6010B
Chromium	1460	0.45	mg/kg	SW846 6010B
Copper	838	0.89	mg/kg	SW846 6010B
Iron	96000	17.9	mg/kg	SW846 6010B
Magnesium	2300	89.3	mg/kg	SW846 6010B
Manganese	1580	1.8	mg/kg	SW846 6010B
Sodium	1460	89.3	mg/kg	SW846 6010B
Nickel	566	0.89	mg/kg	SW846 6010B
Lead	1170	0.54	mg/kg	SW846 6010B
Vanadium	79.0	1.8	mg/kg	SW846 6010B
Percent Solids	89.6	10.0	%	MCAWW 160.3 MOD

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-631 07/10/07 10:10 014</b>				
Arsenic	3.7	0.086	mg/kg	SW846 6020
Zinc	8.2	0.86	mg/kg	SW846 6020
Aluminum	2570	17.1	mg/kg	SW846 6010B
Barium	11.2	0.86	mg/kg	SW846 6010B
Calcium	492	428	mg/kg	SW846 6010B
Cobalt	2.0	0.43	mg/kg	SW846 6010B
Chromium	6.5	0.43	mg/kg	SW846 6010B
Copper	3.4	0.86	mg/kg	SW846 6010B
Iron	7390	8.6	mg/kg	SW846 6010B
Magnesium	863	85.5	mg/kg	SW846 6010B
Manganese	46.7	0.86	mg/kg	SW846 6010B
Sodium	242	85.5	mg/kg	SW846 6010B
Nickel	5.3	0.86	mg/kg	SW846 6010B
Lead	2.4	0.26	mg/kg	SW846 6010B
Vanadium	10.7	0.86	mg/kg	SW846 6010B
Percent Solids	93.5	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-632 07/10/07 10:15 015</b>				
Arsenic	1.4	0.085	mg/kg	SW846 6020
Zinc	8.3	0.85	mg/kg	SW846 6020
Aluminum	2470	17.0	mg/kg	SW846 6010B
Barium	12.9	0.85	mg/kg	SW846 6010B
Calcium	583	425	mg/kg	SW846 6010B
Cobalt	1.7	0.43	mg/kg	SW846 6010B
Chromium	6.1	0.43	mg/kg	SW846 6010B
Copper	3.7	0.85	mg/kg	SW846 6010B
Iron	4370	8.5	mg/kg	SW846 6010B
Magnesium	772	85.0	mg/kg	SW846 6010B
Manganese	30.0	0.85	mg/kg	SW846 6010B
Sodium	211	85.0	mg/kg	SW846 6010B
Nickel	5.4	0.85	mg/kg	SW846 6010B
Lead	2.1	0.26	mg/kg	SW846 6010B
Vanadium	7.3	0.85	mg/kg	SW846 6010B
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-633 07/10/07 11:00 016</b>				
Silver	2.9	0.084	mg/kg	SW846 6020
Arsenic	2.5	0.084	mg/kg	SW846 6020
Antimony	1.3	0.17	mg/kg	SW846 6020
Selenium	0.22	0.17	mg/kg	SW846 6020
Zinc	10.6	0.84	mg/kg	SW846 6020

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-633 07/10/07 11:00 016</b>				
Aluminum	465	16.7	mg/kg	SW846 6010B
Barium	21.9	0.84	mg/kg	SW846 6010B
Calcium	647	418	mg/kg	SW846 6010B
Cadmium	0.13	0.084	mg/kg	SW846 6010B
Cobalt	7.4	0.42	mg/kg	SW846 6010B
Chromium	41.0	0.42	mg/kg	SW846 6010B
Copper	19.5	0.84	mg/kg	SW846 6010B
Iron	11100	8.4	mg/kg	SW846 6010B
Magnesium	227	83.5	mg/kg	SW846 6010B
Manganese	108	0.84	mg/kg	SW846 6010B
Sodium	704	83.5	mg/kg	SW846 6010B
Nickel	21.6	0.84	mg/kg	SW846 6010B
Lead	11.8	0.25	mg/kg	SW846 6010B
Vanadium	8.5	0.84	mg/kg	SW846 6010B
Percent Solids	95.8	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-634 07/10/07 11:05 017</b>				
Silver	2.5	0.082	mg/kg	SW846 6020
Arsenic	0.71	0.082	mg/kg	SW846 6020
Antimony	0.74	0.16	mg/kg	SW846 6020
Zinc	6.4	0.82	mg/kg	SW846 6020
Aluminum	147	16.4	mg/kg	SW846 6010B
Barium	2.4	0.82	mg/kg	SW846 6010B
Cadmium	0.094	0.082	mg/kg	SW846 6010B
Cobalt	0.78	0.41	mg/kg	SW846 6010B
Chromium	16.5	0.41	mg/kg	SW846 6010B
Copper	5.0	0.82	mg/kg	SW846 6010B
Iron	5580	8.2	mg/kg	SW846 6010B
Manganese	67.6	0.82	mg/kg	SW846 6010B
Sodium	245	82.0	mg/kg	SW846 6010B
Nickel	14.4	0.82	mg/kg	SW846 6010B
Lead	6.4	0.25	mg/kg	SW846 6010B
Percent Solids	97.6	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-635 07/10/07 11:10 018</b>				
Silver	1.2	0.086	mg/kg	SW846 6020
Arsenic	0.98	0.086	mg/kg	SW846 6020
Zinc	29.9	0.86	mg/kg	SW846 6020
Aluminum	4660	17.2	mg/kg	SW846 6010B
Barium	25.7	0.86	mg/kg	SW846 6010B
Cadmium	1.4	0.086	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-635 07/10/07 11:10 018</b>				
Cobalt	1.8	0.43	mg/kg	SW846 6010B
Chromium	6.9	0.43	mg/kg	SW846 6010B
Copper	2.1	0.86	mg/kg	SW846 6010B
Iron	4840	8.6	mg/kg	SW846 6010B
Magnesium	468	86.0	mg/kg	SW846 6010B
Manganese	39.0	0.86	mg/kg	SW846 6010B
Sodium	809	86.0	mg/kg	SW846 6010B
Nickel	8.0	0.86	mg/kg	SW846 6010B
Lead	4.1	0.26	mg/kg	SW846 6010B
Vanadium	7.8	0.86	mg/kg	SW846 6010B
Percent Solids	93.0	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-636 07/10/07 11:15 019</b>				
Silver	0.093	0.085	mg/kg	SW846 6020
Arsenic	1.0	0.085	mg/kg	SW846 6020
Zinc	5.0	0.85	mg/kg	SW846 6020
Aluminum	2930	17.0	mg/kg	SW846 6010B
Barium	6.7	0.85	mg/kg	SW846 6010B
Cadmium	0.67	0.085	mg/kg	SW846 6010B
Cobalt	2.6	0.43	mg/kg	SW846 6010B
Chromium	6.6	0.43	mg/kg	SW846 6010B
Copper	3.5	0.85	mg/kg	SW846 6010B
Iron	8000	8.5	mg/kg	SW846 6010B
Magnesium	1160	85.1	mg/kg	SW846 6010B
Manganese	51.7	0.85	mg/kg	SW846 6010B
Sodium	359	85.1	mg/kg	SW846 6010B
Nickel	3.9	0.85	mg/kg	SW846 6010B
Lead	2.5	0.26	mg/kg	SW846 6010B
Vanadium	16.7	0.85	mg/kg	SW846 6010B
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-637 07/10/07 11:20 020</b>				
Arsenic	1.4	0.084	mg/kg	SW846 6020
Zinc	8.2	0.84	mg/kg	SW846 6020
Aluminum	2100	16.8	mg/kg	SW846 6010B
Barium	5.9	0.84	mg/kg	SW846 6010B
Cadmium	0.12	0.084	mg/kg	SW846 6010B
Cobalt	1.8	0.42	mg/kg	SW846 6010B
Chromium	8.0 E	0.42	mg/kg	SW846 6010B
Copper	3.4	0.84	mg/kg	SW846 6010B
Iron	4330	8.4	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-637 07/10/07 11:20 020</b>				
Magnesium	633	83.9	mg/kg	SW846 6010B
Manganese	33.6	0.84	mg/kg	SW846 6010B
Sodium	383	83.9	mg/kg	SW846 6010B
Nickel	4.4 E	0.84	mg/kg	SW846 6010B
Lead	1.7	0.25	mg/kg	SW846 6010B
Vanadium	7.8	0.84	mg/kg	SW846 6010B
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-638 07/10/07 12:20 021</b>				
Silver	0.17	0.084	mg/kg	SW846 6020
Arsenic	1.7	0.084	mg/kg	SW846 6020
Zinc	73.0	0.84	mg/kg	SW846 6020
Aluminum	3150	16.8	mg/kg	SW846 6010B
Barium	49.7	0.84	mg/kg	SW846 6010B
Calcium	2610	421	mg/kg	SW846 6010B
Cadmium	0.96	0.084	mg/kg	SW846 6010B
Cobalt	3.7	0.42	mg/kg	SW846 6010B
Chromium	21.5	0.42	mg/kg	SW846 6010B
Copper	57.5	0.84	mg/kg	SW846 6010B
Iron	8190	8.4	mg/kg	SW846 6010B
Magnesium	1140	84.2	mg/kg	SW846 6010B
Manganese	165	0.84	mg/kg	SW846 6010B
Sodium	280	84.2	mg/kg	SW846 6010B
Nickel	37.1	0.84	mg/kg	SW846 6010B
Lead	65.8	0.25	mg/kg	SW846 6010B
Vanadium	7.5	0.84	mg/kg	SW846 6010B
Percent Solids	95.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-639 07/10/07 12:25 022</b>				
Arsenic	1.1	0.084	mg/kg	SW846 6020
Zinc	25.4	0.84	mg/kg	SW846 6020
Aluminum	2460	16.7	mg/kg	SW846 6010B
Barium	22.0	0.84	mg/kg	SW846 6010B
Calcium	1780	418	mg/kg	SW846 6010B
Cadmium	0.11	0.084	mg/kg	SW846 6010B
Cobalt	2.0	0.42	mg/kg	SW846 6010B
Chromium	7.0	0.42	mg/kg	SW846 6010B
Copper	11.7	0.84	mg/kg	SW846 6010B
Iron	3810	8.4	mg/kg	SW846 6010B
Magnesium	941	83.6	mg/kg	SW846 6010B
Manganese	81.0	0.84	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-639 07/10/07 12:25 022</b>				
Sodium	195	83.6	mg/kg	SW846 6010B
Nickel	5.6	0.84	mg/kg	SW846 6010B
Lead	12.3	0.25	mg/kg	SW846 6010B
Vanadium	5.9	0.84	mg/kg	SW846 6010B
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-640 07/10/07 12:30 023</b>				
Silver	0.10	0.085	mg/kg	SW846 6020
Arsenic	1.4	0.085	mg/kg	SW846 6020
Zinc	42.7	0.85	mg/kg	SW846 6020
Aluminum	3250	16.9	mg/kg	SW846 6010B
Barium	25.8	0.85	mg/kg	SW846 6010B
Calcium	3230	423	mg/kg	SW846 6010B
Cadmium	0.17	0.085	mg/kg	SW846 6010B
Cobalt	2.5	0.42	mg/kg	SW846 6010B
Chromium	9.2	0.42	mg/kg	SW846 6010B
Copper	20.5	0.85	mg/kg	SW846 6010B
Iron	5090	8.5	mg/kg	SW846 6010B
Magnesium	1340	84.6	mg/kg	SW846 6010B
Manganese	108	0.85	mg/kg	SW846 6010B
Sodium	221	84.6	mg/kg	SW846 6010B
Nickel	10.7	0.85	mg/kg	SW846 6010B
Lead	14.5	0.25	mg/kg	SW846 6010B
Vanadium	8.0	0.85	mg/kg	SW846 6010B
Percent Solids	94.6	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-641 07/10/07 12:35 024</b>				
Arsenic	1.0	0.084	mg/kg	SW846 6020
Zinc	20.8	0.84	mg/kg	SW846 6020
Aluminum	3520	16.9	mg/kg	SW846 6010B
Barium	18.0	0.84	mg/kg	SW846 6010B
Calcium	1710	422	mg/kg	SW846 6010B
Cobalt	3.0	0.42	mg/kg	SW846 6010B
Chromium	11.4	0.42	mg/kg	SW846 6010B
Copper	6.0	0.84	mg/kg	SW846 6010B
Iron	5760	8.4	mg/kg	SW846 6010B
Magnesium	1690	84.5	mg/kg	SW846 6010B
Manganese	94.9	0.84	mg/kg	SW846 6010B
Nickel	7.6	0.84	mg/kg	SW846 6010B
Lead	5.7	0.25	mg/kg	SW846 6010B
Vanadium	8.5	0.84	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-641 07/10/07 12:35 024</b>				
Percent Solids	94.7	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-642 07/10/07 12:40 025</b>				
Arsenic	1.0	0.085	mg/kg	SW846 6020
Zinc	13.0	0.85	mg/kg	SW846 6020
Aluminum	2760	16.9	mg/kg	SW846 6010B
Barium	18.5	0.85	mg/kg	SW846 6010B
Calcium	1020	423	mg/kg	SW846 6010B
Cobalt	2.0	0.42	mg/kg	SW846 6010B
Chromium	6.4	0.42	mg/kg	SW846 6010B
Copper	5.0	0.85	mg/kg	SW846 6010B
Iron	3900	8.5	mg/kg	SW846 6010B
Magnesium	788	84.6	mg/kg	SW846 6010B
Manganese	68.1	0.85	mg/kg	SW846 6010B
Sodium	116	84.6	mg/kg	SW846 6010B
Nickel	4.6	0.85	mg/kg	SW846 6010B
Lead	5.4	0.25	mg/kg	SW846 6010B
Vanadium	6.7	0.85	mg/kg	SW846 6010B
Percent Solids	94.6	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-643 07/10/07 12:41 026</b>				
Arsenic	0.76	0.085	mg/kg	SW846 6020
Zinc	10.5	0.85	mg/kg	SW846 6020
Aluminum	2200	16.9	mg/kg	SW846 6010B
Barium	9.6	0.85	mg/kg	SW846 6010B
Calcium	546	424	mg/kg	SW846 6010B
Cobalt	1.9	0.42	mg/kg	SW846 6010B
Chromium	5.2	0.42	mg/kg	SW846 6010B
Copper	4.2	0.85	mg/kg	SW846 6010B
Iron	3770	8.5	mg/kg	SW846 6010B
Magnesium	629	84.7	mg/kg	SW846 6010B
Manganese	41.7	0.85	mg/kg	SW846 6010B
Sodium	115	84.7	mg/kg	SW846 6010B
Nickel	4.0	0.85	mg/kg	SW846 6010B
Lead	3.9	0.25	mg/kg	SW846 6010B
Vanadium	6.7	0.85	mg/kg	SW846 6010B
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-644 07/10/07 13:00 027</b>				
Arsenic	1.4	0.083	mg/kg	SW846 6020
Zinc	14.8	0.83	mg/kg	SW846 6020
Aluminum	3060	16.7	mg/kg	SW846 6010B
Barium	19.7	0.83	mg/kg	SW846 6010B
Calcium	7750	417	mg/kg	SW846 6010B
Cobalt	2.4	0.42	mg/kg	SW846 6010B
Chromium	5.8	0.42	mg/kg	SW846 6010B
Copper	5.4	0.83	mg/kg	SW846 6010B
Iron	5270	8.3	mg/kg	SW846 6010B
Magnesium	3550	83.4	mg/kg	SW846 6010B
Manganese	141	0.83	mg/kg	SW846 6010B
Nickel	5.6	0.83	mg/kg	SW846 6010B
Lead	9.0	0.25	mg/kg	SW846 6010B
Vanadium	7.6	0.83	mg/kg	SW846 6010B
Percent Solids	95.9	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-645 07/10/07 13:03 028</b>				
Arsenic	1.2	0.083	mg/kg	SW846 6020
Zinc	16.7	0.83	mg/kg	SW846 6020
Aluminum	1850	16.7	mg/kg	SW846 6010B
Barium	42.6	0.83	mg/kg	SW846 6010B
Calcium	8620	416	mg/kg	SW846 6010B
Cobalt	2.0	0.42	mg/kg	SW846 6010B
Chromium	6.6	0.42	mg/kg	SW846 6010B
Copper	10.9	0.83	mg/kg	SW846 6010B
Iron	3760	8.3	mg/kg	SW846 6010B
Magnesium	3050	83.3	mg/kg	SW846 6010B
Manganese	95.0	0.83	mg/kg	SW846 6010B
Nickel	7.8	0.83	mg/kg	SW846 6010B
Lead	9.3	0.25	mg/kg	SW846 6010B
Vanadium	5.2	0.83	mg/kg	SW846 6010B
Fluoranthene	330	270	ug/kg	SW846 8270C
Percent Solids	96.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-646 07/10/07 13:06 029</b>				
Arsenic	1.1	0.082	mg/kg	SW846 6020
Zinc	14.3	0.82	mg/kg	SW846 6020
Aluminum	1550	16.5	mg/kg	SW846 6010B
Barium	7.9	0.82	mg/kg	SW846 6010B
Calcium	7700	412	mg/kg	SW846 6010B
Cobalt	1.5	0.41	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL</u> <u>METHOD</u>
<b>SO-17360-071007-BW-646 07/10/07 13:06 029</b>				
Chromium	3.8	0.41	mg/kg	SW846 6010B
Copper	3.3	0.82	mg/kg	SW846 6010B
Iron	3160	8.2	mg/kg	SW846 6010B
Magnesium	2510	82.4	mg/kg	SW846 6010B
Manganese	75.3	0.82	mg/kg	SW846 6010B
Nickel	4.0	0.82	mg/kg	SW846 6010B
Lead	3.8	0.25	mg/kg	SW846 6010B
Vanadium	5.3	0.82	mg/kg	SW846 6010B
Percent Solids	97.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-647 07/10/07 13:12 030</b>				
Arsenic	0.87	0.083	mg/kg	SW846 6020
Zinc	10.7	0.83	mg/kg	SW846 6020
Aluminum	1450	16.7	mg/kg	SW846 6010B
Barium	7.8	0.83	mg/kg	SW846 6010B
Calcium	7150	416	mg/kg	SW846 6010B
Cobalt	1.4	0.42	mg/kg	SW846 6010B
Chromium	3.0	0.42	mg/kg	SW846 6010B
Copper	3.6	0.83	mg/kg	SW846 6010B
Iron	2950	8.3	mg/kg	SW846 6010B
Magnesium	2030	83.3	mg/kg	SW846 6010B
Manganese	76.9	0.83	mg/kg	SW846 6010B
Nickel	3.2	0.83	mg/kg	SW846 6010B
Lead	2.8	0.25	mg/kg	SW846 6010B
Vanadium	4.8	0.83	mg/kg	SW846 6010B
Fluoranthene	310	270	ug/kg	SW846 8270C
Percent Solids	96.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-648 07/10/07 13:12 031</b>				
Silver	0.11	0.083	mg/kg	SW846 6020
Arsenic	1.6	0.083	mg/kg	SW846 6020
Zinc	20.4	0.83	mg/kg	SW846 6020
Aluminum	1720	16.6	mg/kg	SW846 6010B
Barium	8.9	0.83	mg/kg	SW846 6010B
Calcium	6190	415	mg/kg	SW846 6010B
Cobalt	1.7	0.41	mg/kg	SW846 6010B
Chromium	6.1	0.41	mg/kg	SW846 6010B
Copper	6.9	0.83	mg/kg	SW846 6010B
Iron	3610	8.3	mg/kg	SW846 6010B
Magnesium	1950	82.9	mg/kg	SW846 6010B
Manganese	82.6	0.83	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-648 07/10/07 13:12 031</b>				
Nickel	11.2	0.83	mg/kg	SW846 6010B
Lead	4.8	0.25	mg/kg	SW846 6010B
Vanadium	4.9	0.83	mg/kg	SW846 6010B
Percent Solids	96.5	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-649 07/10/07 13:13 032</b>				
Arsenic	0.92	0.083	mg/kg	SW846 6020
Zinc	9.5	0.83	mg/kg	SW846 6020
Aluminum	1630	16.7	mg/kg	SW846 6010B
Barium	8.2	0.83	mg/kg	SW846 6010B
Calcium	9560	416	mg/kg	SW846 6010B
Cobalt	1.6	0.42	mg/kg	SW846 6010B
Chromium	4.8	0.42	mg/kg	SW846 6010B
Copper	7.0	0.83	mg/kg	SW846 6010B
Iron	3380	8.3	mg/kg	SW846 6010B
Magnesium	3010	83.3	mg/kg	SW846 6010B
Manganese	76.8	0.83	mg/kg	SW846 6010B
Nickel	10.9	0.83	mg/kg	SW846 6010B
Lead	4.4	0.25	mg/kg	SW846 6010B
Vanadium	4.9	0.83	mg/kg	SW846 6010B
Percent Solids	96.1	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-650 07/10/07 14:20 033</b>				
Arsenic	1.3	0.082	mg/kg	SW846 6020
Zinc	13.0	0.82	mg/kg	SW846 6020
Aluminum	1590	16.3	mg/kg	SW846 6010B
Barium	11.8	0.82	mg/kg	SW846 6010B
Calcium	22400	408	mg/kg	SW846 6010B
Cobalt	3.4	0.41	mg/kg	SW846 6010B
Chromium	4.3	0.41	mg/kg	SW846 6010B
Copper	6.5	0.82	mg/kg	SW846 6010B
Iron	4220	8.2	mg/kg	SW846 6010B
Magnesium	6230	81.6	mg/kg	SW846 6010B
Manganese	122	0.82	mg/kg	SW846 6010B
Nickel	4.4	0.82	mg/kg	SW846 6010B
Lead	6.6	0.24	mg/kg	SW846 6010B
Vanadium	5.3	0.82	mg/kg	SW846 6010B
Percent Solids	98.1	10.0	%	MCAWW 160.3 MOD

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-651 07/10/07 14:22 034</b>				
Arsenic	1.6	0.082	mg/kg	SW846 6020
Zinc	12.4	0.82	mg/kg	SW846 6020
Aluminum	1930	16.4	mg/kg	SW846 6010B
Barium	13.1	0.82	mg/kg	SW846 6010B
Calcium	24400	411	mg/kg	SW846 6010B
Cobalt	2.7	0.41	mg/kg	SW846 6010B
Chromium	4.8	0.41	mg/kg	SW846 6010B
Copper	6.9	0.82	mg/kg	SW846 6010B
Iron	4260	8.2	mg/kg	SW846 6010B
Magnesium	8490	82.1	mg/kg	SW846 6010B
Manganese	128	0.82	mg/kg	SW846 6010B
Nickel	4.6	0.82	mg/kg	SW846 6010B
Lead	6.2	0.25	mg/kg	SW846 6010B
Vanadium	6.2	0.82	mg/kg	SW846 6010B
Percent Solids	97.4	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-652 07/10/07 14:25 035</b>				
Arsenic	1.2	0.082	mg/kg	SW846 6020
Zinc	13.8	0.82	mg/kg	SW846 6020
Aluminum	1460	16.5	mg/kg	SW846 6010B
Barium	7.8	0.82	mg/kg	SW846 6010B
Calcium	23100	412	mg/kg	SW846 6010B
Cobalt	2.2	0.41	mg/kg	SW846 6010B
Chromium	3.7	0.41	mg/kg	SW846 6010B
Copper	5.1	0.82	mg/kg	SW846 6010B
Iron	3620	8.2	mg/kg	SW846 6010B
Magnesium	10700	82.3	mg/kg	SW846 6010B
Manganese	182	0.82	mg/kg	SW846 6010B
Nickel	3.9	0.82	mg/kg	SW846 6010B
Lead	5.9	0.25	mg/kg	SW846 6010B
Vanadium	5.6	0.82	mg/kg	SW846 6010B
Percent Solids	97.2	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-653 07/10/07 14:29 036</b>				
Arsenic	2.3	0.085	mg/kg	SW846 6020
Zinc	21.4	0.85	mg/kg	SW846 6020
Aluminum	1770	17.0	mg/kg	SW846 6010B
Barium	9.2	0.85	mg/kg	SW846 6010B
Calcium	32500	424	mg/kg	SW846 6010B
Cobalt	2.2	0.42	mg/kg	SW846 6010B
Chromium	4.5	0.42	mg/kg	SW846 6010B

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-653 07/10/07 14:29 036</b>				
Copper	6.5	0.85	mg/kg	SW846 6010B
Iron	4790	8.5	mg/kg	SW846 6010B
Magnesium	10900	84.9	mg/kg	SW846 6010B
Manganese	159	0.85	mg/kg	SW846 6010B
Sodium	99.1	84.9	mg/kg	SW846 6010B
Nickel	5.5	0.85	mg/kg	SW846 6010B
Lead	5.5	0.25	mg/kg	SW846 6010B
Vanadium	6.1	0.85	mg/kg	SW846 6010B
Percent Solids	94.3	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-654 07/10/07 14:32 037</b>				
Arsenic	1.5	0.084	mg/kg	SW846 6020
Zinc	20.7	0.84	mg/kg	SW846 6020
Aluminum	2900	16.8	mg/kg	SW846 6010B
Barium	26.0	0.84	mg/kg	SW846 6010B
Calcium	6500	419	mg/kg	SW846 6010B
Cadmium	0.12	0.084	mg/kg	SW846 6010B
Cobalt	2.5	0.42	mg/kg	SW846 6010B
Chromium	6.4	0.42	mg/kg	SW846 6010B
Copper	10.5	0.84	mg/kg	SW846 6010B
Iron	4460	8.4	mg/kg	SW846 6010B
Magnesium	2570	83.8	mg/kg	SW846 6010B
Manganese	121	0.84	mg/kg	SW846 6010B
Nickel	5.9	0.84	mg/kg	SW846 6010B
Lead	17.5	0.25	mg/kg	SW846 6010B
Vanadium	6.8	0.84	mg/kg	SW846 6010B
Percent Solids	95.5	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-655 07/10/07 14:33 038</b>				
Arsenic	2.8	0.084	mg/kg	SW846 6020
Zinc	21.3	0.84	mg/kg	SW846 6020
Aluminum	2620	16.8	mg/kg	SW846 6010B
Barium	37.6	0.84	mg/kg	SW846 6010B
Calcium	523	419	mg/kg	SW846 6010B
Cobalt	1.7	0.42	mg/kg	SW846 6010B
Chromium	4.2	0.42	mg/kg	SW846 6010B
Copper	4.6	0.84	mg/kg	SW846 6010B
Iron	3580	8.4	mg/kg	SW846 6010B
Magnesium	417	83.9	mg/kg	SW846 6010B
Manganese	74.7	0.84	mg/kg	SW846 6010B
Nickel	3.8	0.84	mg/kg	SW846 6010B

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# EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-655 07/10/07 14:33 038</b>				
Lead	5.6	0.25	mg/kg	SW846 6010B
Vanadium	5.5	0.84	mg/kg	SW846 6010B
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-656 07/10/07 15:05 039</b>				
Arsenic	1.8	0.083	mg/kg	SW846 6020
Zinc	15.6	0.83	mg/kg	SW846 6020
Aluminum	1750	16.6	mg/kg	SW846 6010B
Barium	9.2	0.83	mg/kg	SW846 6010B
Calcium	23000	414	mg/kg	SW846 6010B
Cobalt	1.8	0.41	mg/kg	SW846 6010B
Chromium	4.1	0.41	mg/kg	SW846 6010B
Copper	4.9	0.83	mg/kg	SW846 6010B
Iron	4240	8.3	mg/kg	SW846 6010B
Magnesium	5710	82.8	mg/kg	SW846 6010B
Manganese	125	0.83	mg/kg	SW846 6010B
Nickel	3.8	0.83	mg/kg	SW846 6010B
Lead	5.7	0.25	mg/kg	SW846 6010B
Vanadium	6.1	0.83	mg/kg	SW846 6010B
Percent Solids	96.6	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-657 07/10/07 15:07 040</b>				
Arsenic	1.6	0.084	mg/kg	SW846 6020
Zinc	14.2	0.84	mg/kg	SW846 6020
Aluminum	2020	16.8	mg/kg	SW846 6010B
Barium	12.3	0.84	mg/kg	SW846 6010B
Calcium	27100	420	mg/kg	SW846 6010B
Cobalt	3.5	0.42	mg/kg	SW846 6010B
Chromium	4.6	0.42	mg/kg	SW846 6010B
Copper	7.1 E	0.84	mg/kg	SW846 6010B
Iron	4430	8.4	mg/kg	SW846 6010B
Magnesium	11500	84.0	mg/kg	SW846 6010B
Manganese	149	0.84	mg/kg	SW846 6010B
Nickel	4.5	0.84	mg/kg	SW846 6010B
Lead	6.6	0.25	mg/kg	SW846 6010B
Vanadium	6.2	0.84	mg/kg	SW846 6010B
Percent Solids	95.2	10.0	%	MCAWW 160.3 MOD

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-658 07/10/07 15:09 041</b>				
Arsenic	2.6	0.083	mg/kg	SW846 6020
Zinc	14.5 J	0.83	mg/kg	SW846 6020
Aluminum	1600	16.6	mg/kg	SW846 6010B
Barium	9.3	0.83	mg/kg	SW846 6010B
Calcium	32900	414	mg/kg	SW846 6010B
Cobalt	2.3	0.41	mg/kg	SW846 6010B
Chromium	3.9	0.41	mg/kg	SW846 6010B
Copper	5.8	0.83	mg/kg	SW846 6010B
Iron	4100	8.3	mg/kg	SW846 6010B
Magnesium	15800	82.8	mg/kg	SW846 6010B
Manganese	127	0.83	mg/kg	SW846 6010B
Nickel	3.7	0.83	mg/kg	SW846 6010B
Lead	7.1	0.25	mg/kg	SW846 6010B
Vanadium	7.2	0.83	mg/kg	SW846 6010B
Percent Solids	96.6	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-659 07/10/07 15:11 042</b>				
Arsenic	1.3	0.083	mg/kg	SW846 6020
Zinc	11.8 J	0.83	mg/kg	SW846 6020
Aluminum	1390	16.5	mg/kg	SW846 6010B
Barium	7.0	0.83	mg/kg	SW846 6010B
Calcium	19600	413	mg/kg	SW846 6010B
Cobalt	1.5	0.41	mg/kg	SW846 6010B
Chromium	3.8	0.41	mg/kg	SW846 6010B
Copper	3.9	0.83	mg/kg	SW846 6010B
Iron	3630	8.3	mg/kg	SW846 6010B
Magnesium	5090	82.6	mg/kg	SW846 6010B
Manganese	102	0.83	mg/kg	SW846 6010B
Nickel	3.6	0.83	mg/kg	SW846 6010B
Lead	3.7	0.25	mg/kg	SW846 6010B
Vanadium	5.0	0.83	mg/kg	SW846 6010B
Fluoranthene	310	270	ug/kg	SW846 8270C
Percent Solids	96.8	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-660 07/10/07 15:12 043</b>				
Arsenic	1.4	0.085	mg/kg	SW846 6020
Zinc	14.7 J	0.85	mg/kg	SW846 6020
Aluminum	2860	16.9	mg/kg	SW846 6010B
Barium	27.7	0.85	mg/kg	SW846 6010B
Calcium	35600	423	mg/kg	SW846 6010B
Cadmium	0.10	0.085	mg/kg	SW846 6010B

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## EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
<b>SO-17360-071007-BW-660 07/10/07 15:12 043</b>				
Cobalt	2.3	0.42	mg/kg	SW846 6010B
Chromium	8.4	0.42	mg/kg	SW846 6010B
Copper	6.7	0.85	mg/kg	SW846 6010B
Iron	4040	8.5	mg/kg	SW846 6010B
Magnesium	2060	84.7	mg/kg	SW846 6010B
Manganese	141	0.85	mg/kg	SW846 6010B
Nickel	6.9	0.85	mg/kg	SW846 6010B
Lead	8.4	0.25	mg/kg	SW846 6010B
Vanadium	6.5	0.85	mg/kg	SW846 6010B
Percent Solids	94.5	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-661 07/10/07 15:14 044</b>				
Silver	0.59	0.085	mg/kg	SW846 6020
Arsenic	2.0	0.085	mg/kg	SW846 6020
Antimony	0.59	0.17	mg/kg	SW846 6020
Zinc	61.3 J	0.85	mg/kg	SW846 6020
Aluminum	2870	17.0	mg/kg	SW846 6010B
Barium	33.0	0.85	mg/kg	SW846 6010B
Calcium	14100	424	mg/kg	SW846 6010B
Cadmium	0.40	0.085	mg/kg	SW846 6010B
Cobalt	14.2	0.42	mg/kg	SW846 6010B
Chromium	70.9	0.42	mg/kg	SW846 6010B
Copper	49.0	0.85	mg/kg	SW846 6010B
Iron	7820	8.5	mg/kg	SW846 6010B
Magnesium	5330	84.9	mg/kg	SW846 6010B
Manganese	239	0.85	mg/kg	SW846 6010B
Nickel	44.6	0.85	mg/kg	SW846 6010B
Lead	40.4	0.25	mg/kg	SW846 6010B
Vanadium	8.8	0.85	mg/kg	SW846 6010B
Percent Solids	94.3	10.0	%	MCAWW 160.3 MOD
<b>SO-17360-071007-BW-662 07/10/07 15:45 045</b>				
Flashpoint	>180		deg F	SW846 1010
Corrosivity	9.6		No Units	SW846 9045A
<b>W-17360-071007-BW-663 07/10/07 16:00 046</b>				
Flashpoint	>200		deg F	SW846 1010
Corrosivity	10.2		No Units	SW846 9045A

# ANALYTICAL METHODS SUMMARY

7G12192

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Corrosivity	SW846 9045A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
ICP-MS (6020)	SW846 6020
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Pensky-Martens Method for Determining Ignitability	SW846 1010
Reactive Cyanide	SW846 7.3.3
Reactive Sulfide	SW846 7.3.4
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Residue as Percent Solids	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

## References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",  
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical  
Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

7G12192 : A7G120192

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
J2P69	001	SO-17360-071007-BW-618	07/10/07	08:35
J2P7J	002	SO-17360-071007-BW-619	07/10/07	08:40
J2P7K	003	SO-17360-071007-BW-620	07/10/07	08:45
J2P7L	004	SO-17360-071007-BW-621	07/10/07	08:50
J2P7M	005	SO-17360-071007-BW-622	07/10/07	08:55
J2P7N	006	SO-17360-071007-BW-623	07/10/07	09:15
J2P7Q	007	SO-17360-071007-BW-624	07/10/07	09:20
J2P8H	008	SO-17360-071007-BW-625	07/10/07	09:25
J2P8J	009	SO-17360-071007-BW-626	07/10/07	09:30
J2P8L	010	SO-17360-071007-BW-627	07/10/07	09:35
J2P8M	011	SO-17360-071007-BW-628	07/10/07	09:55
J2P8P	012	SO-17360-071007-BW-629	07/10/07	10:00
J2P8Q	013	SO-17360-071007-BW-630	07/10/07	10:05
J2P8T	014	SO-17360-071007-BW-631	07/10/07	10:10
J2P8V	015	SO-17360-071007-BW-632	07/10/07	10:15
J2P8W	016	SO-17360-071007-BW-633	07/10/07	11:00
J2P81	017	SO-17360-071007-BW-634	07/10/07	11:05
J2P85	018	SO-17360-071007-BW-635	07/10/07	11:10
J2P87	019	SO-17360-071007-BW-636	07/10/07	11:15
J2P88	020	SO-17360-071007-BW-637	07/10/07	11:20
J2P89	021	SO-17360-071007-BW-638	07/10/07	12:20
J2P92	022	SO-17360-071007-BW-639	07/10/07	12:25
J2P93	023	SO-17360-071007-BW-640	07/10/07	12:30
J2P97	024	SO-17360-071007-BW-641	07/10/07	12:35
J2QAC	025	SO-17360-071007-BW-642	07/10/07	12:40
J2QAD	026	SO-17360-071007-BW-643	07/10/07	12:41
J2QAE	027	SO-17360-071007-BW-644	07/10/07	13:00
J2QAK	028	SO-17360-071007-BW-645	07/10/07	13:03
J2QAL	029	SO-17360-071007-BW-646	07/10/07	13:06
J2QAN	030	SO-17360-071007-BW-647	07/10/07	13:12
J2QAP	031	SO-17360-071007-BW-648	07/10/07	13:12
J2QAT	032	SO-17360-071007-BW-649	07/10/07	13:13
J2QAV	033	SO-17360-071007-BW-650	07/10/07	14:20
J2QA0	034	SO-17360-071007-BW-651	07/10/07	14:22
J2QA3	035	SO-17360-071007-BW-652	07/10/07	14:25
J2QA5	036	SO-17360-071007-BW-653	07/10/07	14:29

(Continued on next page)

# SAMPLE SUMMARY

7G12192 : A7G120192

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
J2QCD	037	SO-17360-071007-BW-654	07/10/07	14:32
J2QCK	038	SO-17360-071007-BW-655	07/10/07	14:33
J2QCM	039	SO-17360-071007-BW-656	07/10/07	15:05
J2QCP	040	SO-17360-071007-BW-657	07/10/07	15:07
J2QCQ	041	SO-17360-071007-BW-658	07/10/07	15:09
J2QCT	042	SO-17360-071007-BW-659	07/10/07	15:11
J2QCV	043	SO-17360-071007-BW-660	07/10/07	15:12
J2QC1	044	SO-17360-071007-BW-661	07/10/07	15:14
J2QC4	045	SO-17360-071007-BW-662	07/10/07	15:45
J2QE1	046	W-17360-071007-BW-663	07/10/07	16:00

## NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-618

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-001    Work Order #...: J2P691AC    Matrix.....: SO  
 Date Sampled...: 07/10/07 08:35    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 25  
 % Moisture.....: 13    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	7600	ug/kg
Acenaphthylene	ND	7600	ug/kg
Anthracene	ND	7600	ug/kg
Benzo(a)anthracene	ND	7600	ug/kg
Benzo(a)pyrene	ND	7600	ug/kg
Benzo(b)fluoranthene	ND	7600	ug/kg
Benzo(ghi)perylene	ND	7600	ug/kg
Benzo(k)fluoranthene	ND	7600	ug/kg
Chrysene	ND	7600	ug/kg
Dibenz(a,h)anthracene	ND	7600	ug/kg
Fluoranthene	ND	7600	ug/kg
Fluorene	ND	7600	ug/kg
Indeno(1,2,3-cd)pyrene	ND	7600	ug/kg
2-Methylnaphthalene	ND	7600	ug/kg
Naphthalene	ND	7600	ug/kg
Phenanthrene	ND	7600	ug/kg
Pyrene	ND	7600	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	0.0 DIL, *	(24 - 112)
2-Fluorobiphenyl	109 DIL	(34 - 110)
Terphenyl-d14	128 DIL, *	(41 - 119)
Phenol-d5	87 DIL	(28 - 110)
2-Fluorophenol	92 DIL	(26 - 110)
2,4,6-Tribromophenol	0.0 DIL, *	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-618

TOTAL Metals

Lot-Sample #...: A7G120192-001

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

% Moisture.....: 13

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	7.0	0.092	mg/kg	SW846 6020	07/16-07/18/07	J2P691A2
		Dilution Factor: 1				
Aluminum	2670	18.3	mg/kg	SW846 6010B	07/16/07	J2P691AE
		Dilution Factor: 1				
Arsenic	13.1	0.092	mg/kg	SW846 6020	07/16-07/18/07	J2P691A0
		Dilution Factor: 1				
Barium	414	0.92	mg/kg	SW846 6010B	07/16/07	J2P691AF
		Dilution Factor: 1				
Beryllium	ND	0.18	mg/kg	SW846 6010B	07/16/07	J2P691AG
		Dilution Factor: 1				
Calcium	6910	458	mg/kg	SW846 6010B	07/16/07	J2P691AJ
		Dilution Factor: 1				
Cadmium	4.9	0.18	mg/kg	SW846 6010B	07/16-07/17/07	J2P691AH
		Dilution Factor: 2				
Cobalt	27.6	0.46	mg/kg	SW846 6010B	07/16/07	J2P691AK
		Dilution Factor: 1				
Chromium	270	0.46	mg/kg	SW846 6010B	07/16/07	J2P691AV
		Dilution Factor: 1				
Copper	985	0.92	mg/kg	SW846 6010B	07/16/07	J2P691AL
		Dilution Factor: 1				
Iron	109000	18.3	mg/kg	SW846 6010B	07/16-07/17/07	J2P691AM
		Dilution Factor: 2				
Mercury	ND	0.046	mg/kg	SW846 7471A	07/16/07	J2P691AD
		Dilution Factor: 1				
Potassium	ND	458	mg/kg	SW846 6010B	07/16/07	J2P691AR
		Dilution Factor: 1				
Magnesium	2870	91.6	mg/kg	SW846 6010B	07/16/07	J2P691AN
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-618

TOTAL Metals

Lot-Sample #...: A7G120192-001

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	1120	1.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P691AP
		Dilution Factor: 2				
Sodium	524	91.6	mg/kg	SW846 6010B	07/16/07	J2P691AT
		Dilution Factor: 1				
Nickel	255	0.92	mg/kg	SW846 6010B	07/16/07	J2P691AQ
		Dilution Factor: 1				
Lead	904	0.55	mg/kg	SW846 6010B	07/16-07/17/07	J2P691AW
		Dilution Factor: 2				
Antimony	17.4	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P691AX
		Dilution Factor: 1				
Selenium	0.52	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P691A1
		Dilution Factor: 1				
Thallium	ND	0.092	mg/kg	SW846 6020	07/16-07/18/07	J2P691A3
		Dilution Factor: 1				
Vanadium	26.2	1.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P691AU
		Dilution Factor: 2				
Zinc	4090	9.2	mg/kg	SW846 6020	07/16-07/18/07	J2P691A4
		Dilution Factor: 10				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-618

General Chemistry

Lot-Sample #...: A7G120192-001    Work Order #...: J2P69    Matrix.....: SO  
Date Sampled...: 07/10/07 08:35    Date Received..: 07/11/07  
% Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	87.3	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-619

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-002    Work Order #...: J2P7J1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 08:40    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 25  
 % Moisture.....: 21    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	8300	ug/kg
Acenaphthylene	ND	8300	ug/kg
Anthracene	ND	8300	ug/kg
Benzo(a)anthracene	ND	8300	ug/kg
Benzo(a)pyrene	ND	8300	ug/kg
Benzo(b)fluoranthene	ND	8300	ug/kg
Benzo(ghi)perylene	ND	8300	ug/kg
Benzo(k)fluoranthene	ND	8300	ug/kg
Chrysene	ND	8300	ug/kg
Dibenz(a,h)anthracene	ND	8300	ug/kg
Fluoranthene	ND	8300	ug/kg
Fluorene	ND	8300	ug/kg
Indeno(1,2,3-cd)pyrene	ND	8300	ug/kg
2-Methylnaphthalene	ND	8300	ug/kg
Naphthalene	ND	8300	ug/kg
Phenanthrene	ND	8300	ug/kg
Pyrene	ND	8300	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	84 DIL	(24 - 112)
2-Fluorobiphenyl	97 DIL	(34 - 110)
Terphenyl-d14	119 DIL	(41 - 119)
Phenol-d5	88 DIL	(28 - 110)
2-Fluorophenol	83 DIL	(26 - 110)
2,4,6-Tribromophenol	89 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
 Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-619

TOTAL Metals

Lot-Sample #...: A7G120192-002

Matrix.....: SO

Date Sampled...: 07/10/07 08:40 Date Received...: 07/11/07

% Moisture.....: 21

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...:	7197050					
Silver	14.3	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P7J1AD
		Dilution Factor: 1				
Aluminum	9260	20.2	mg/kg	SW846 6010B	07/16/07	J2P7J1AK
		Dilution Factor: 1				
Arsenic	18.2	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P7J1AA
		Dilution Factor: 1				
Barium	2230	1.0	mg/kg	SW846 6010B	07/16/07	J2P7J1AL
		Dilution Factor: 1				
Beryllium	ND	0.20	mg/kg	SW846 6010B	07/16/07	J2P7J1AM
		Dilution Factor: 1				
Calcium	16000	504	mg/kg	SW846 6010B	07/16/07	J2P7J1AP
		Dilution Factor: 1				
Cadmium	54.0	1.0	mg/kg	SW846 6010B	07/16/07	J2P7J1AN
		Dilution Factor: 10				
Cobalt	118	0.50	mg/kg	SW846 6010B	07/16/07	J2P7J1AQ
		Dilution Factor: 1				
Chromium	2380	0.50	mg/kg	SW846 6010B	07/16/07	J2P7J1A2
		Dilution Factor: 1				
Copper	4410	10.1	mg/kg	SW846 6010B	07/16/07	J2P7J1AR
		Dilution Factor: 10				
Iron	276000	101	mg/kg	SW846 6010B	07/16/07	J2P7J1AT
		Dilution Factor: 10				
Mercury	ND	0.050	mg/kg	SW846 7471A	07/16/07	J2P7J1AJ
		Dilution Factor: 1				
Potassium	1260	504	mg/kg	SW846 6010B	07/16/07	J2P7J1AX
		Dilution Factor: 1				
Magnesium	4330	101	mg/kg	SW846 6010B	07/16/07	J2P7J1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-619

TOTAL Metals

Lot-Sample #...: A7G120192-002

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Manganese	3280	10.1	mg/kg	SW846 6010B	07/16/07	J2P7J1AV
		Dilution Factor: 10				
Sodium	2160	101	mg/kg	SW846 6010B	07/16/07	J2P7J1A0
		Dilution Factor: 1				
Nickel	1780	1.0	mg/kg	SW846 6010B	07/16/07	J2P7J1AW
		Dilution Factor: 1				
Lead	3420	3.0	mg/kg	SW846 6010B	07/16/07	J2P7J1A3
		Dilution Factor: 10				
Antimony	34.8	0.20	mg/kg	SW846 6020	07/16-07/18/07	J2P7J1A4
		Dilution Factor: 1				
Selenium	0.97	0.20	mg/kg	SW846 6020	07/16-07/18/07	J2P7J1AC
		Dilution Factor: 1				
Thallium	0.12	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P7J1AE
		Dilution Factor: 1				
Vanadium	94.6	10.1	mg/kg	SW846 6010B	07/16/07	J2P7J1A1
		Dilution Factor: 10				
Zinc	5040	10.1	mg/kg	SW846 6020	07/16-07/18/07	J2P7J1AF
		Dilution Factor: 10				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-619

General Chemistry

Lot-Sample #...: A7G120192-002    Work Order #...: J2P7J    Matrix.....: SO  
Date Sampled...: 07/10/07 08:40    Date Received..: 07/11/07  
% Moisture.....: 21

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	79.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-620

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-003    Work Order #...: J2P7K1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 08:45    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 25  
 % Moisture.....: 24    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	8600	ug/kg
Acenaphthylene	ND	8600	ug/kg
Anthracene	ND	8600	ug/kg
Benzo(a)anthracene	ND	8600	ug/kg
Benzo(a)pyrene	ND	8600	ug/kg
Benzo(b)fluoranthene	ND	8600	ug/kg
Benzo(ghi)perylene	ND	8600	ug/kg
Benzo(k)fluoranthene	ND	8600	ug/kg
Chrysene	ND	8600	ug/kg
Dibenz(a,h)anthracene	ND	8600	ug/kg
Fluoranthene	ND	8600	ug/kg
Fluorene	ND	8600	ug/kg
Indeno(1,2,3-cd)pyrene	ND	8600	ug/kg
2-Methylnaphthalene	ND	8600	ug/kg
Naphthalene	ND	8600	ug/kg
Phenanthrene	ND	8600	ug/kg
Pyrene	ND	8600	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	46 DIL	(24 - 112)
2-Fluorobiphenyl	56 DIL	(34 - 110)
Terphenyl-d14	89 DIL	(41 - 119)
Phenol-d5	53 DIL	(28 - 110)
2-Fluorophenol	41 DIL	(26 - 110)
2,4,6-Tribromophenol	0.0 DIL, *	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-620

TOTAL Metals

Lot-Sample #...: A7G120192-003

Matrix.....: SO

Date Sampled...: 07/10/07 08:45 Date Received...: 07/11/07

% Moisture.....: 24

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	0.17	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P7K1AD
		Dilution Factor: 1				
Aluminum	3690	20.9	mg/kg	SW846 6010B	07/16/07	J2P7K1AK
		Dilution Factor: 1				
Arsenic	4.1	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P7K1AA
		Dilution Factor: 1				
Barium	27.4	1.0	mg/kg	SW846 6010B	07/16/07	J2P7K1AL
		Dilution Factor: 1				
Beryllium	ND	0.21	mg/kg	SW846 6010B	07/16/07	J2P7K1AM
		Dilution Factor: 1				
Calcium	3960	523	mg/kg	SW846 6010B	07/16/07	J2P7K1AP
		Dilution Factor: 1				
Cadmium	0.48	0.10	mg/kg	SW846 6010B	07/16/07	J2P7K1AN
		Dilution Factor: 1				
Cobalt	2.2	0.52	mg/kg	SW846 6010B	07/16/07	J2P7K1AQ
		Dilution Factor: 1				
Chromium	12.3	0.52	mg/kg	SW846 6010B	07/16/07	J2P7K1A2
		Dilution Factor: 1				
Copper	21.2	1.0	mg/kg	SW846 6010B	07/16/07	J2P7K1AR
		Dilution Factor: 1				
Iron	6580	10.5	mg/kg	SW846 6010B	07/16/07	J2P7K1AT
		Dilution Factor: 1				
Mercury	ND	0.052	mg/kg	SW846 7471A	07/16/07	J2P7K1AJ
		Dilution Factor: 1				
Potassium	ND	523	mg/kg	SW846 6010B	07/16/07	J2P7K1AX
		Dilution Factor: 1				
Magnesium	657	105	mg/kg	SW846 6010B	07/16/07	J2P7K1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-620

TOTAL Metals

Lot-Sample #...: A7G120192-003

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Manganese	96.2	1.0	mg/kg	SW846 6010B	07/16/07	J2P7K1AV
		Dilution Factor: 1				
Sodium	1260	105	mg/kg	SW846 6010B	07/16/07	J2P7K1A0
		Dilution Factor: 1				
Nickel	26.6	1.0	mg/kg	SW846 6010B	07/16/07	J2P7K1AW
		Dilution Factor: 1				
Lead	25.8	0.31	mg/kg	SW846 6010B	07/16/07	J2P7K1A3
		Dilution Factor: 1				
Antimony	ND	0.21	mg/kg	SW846 6020	07/16-07/18/07	J2P7K1A4
		Dilution Factor: 1				
Selenium	0.40	0.21	mg/kg	SW846 6020	07/16-07/18/07	J2P7K1AC
		Dilution Factor: 1				
Thallium	ND	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P7K1AE
		Dilution Factor: 1				
Vanadium	9.5	1.0	mg/kg	SW846 6010B	07/16/07	J2P7K1A1
		Dilution Factor: 1				
Zinc	112	1.0	mg/kg	SW846 6020	07/16-07/18/07	J2P7K1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-620

General Chemistry

Lot-Sample #...: A7G120192-003    Work Order #...: J2P7K    Matrix.....: SO  
Date Sampled...: 07/10/07 08:45    Date Received..: 07/11/07  
% Moisture.....: 24

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	76.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-621

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-004    Work Order #...: J2P7L1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 08:50    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 11    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	300	ug/kg
Acenaphthylene	ND	300	ug/kg
Anthracene	ND	300	ug/kg
Benzo(a)anthracene	ND	300	ug/kg
Benzo(a)pyrene	ND	300	ug/kg
Benzo(b)fluoranthene	ND	300	ug/kg
Benzo(ghi)perylene	ND	300	ug/kg
Benzo(k)fluoranthene	ND	300	ug/kg
Chrysene	ND	300	ug/kg
Dibenz(a,h)anthracene	ND	300	ug/kg
Fluoranthene	ND	300	ug/kg
Fluorene	ND	300	ug/kg
Indeno(1,2,3-cd)pyrene	ND	300	ug/kg
2-Methylnaphthalene	ND	300	ug/kg
Naphthalene	ND	300	ug/kg
Phenanthrene	ND	300	ug/kg
Pyrene	ND	300	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	64	(24 - 112)
2-Fluorobiphenyl	80	(34 - 110)
Terphenyl-d14	106	(41 - 119)
Phenol-d5	72	(28 - 110)
2-Fluorophenol	71	(26 - 110)
2,4,6-Tribromophenol	81	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-621

TOTAL Metals

Lot-Sample #...: A7G120192-004

Matrix.....: SO

Date Sampled...: 07/10/07 08:50 Date Received...: 07/11/07

% Moisture.....: 11

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.090	mg/kg	SW846 6020	07/16-07/18/07	J2P7L1AD
		Dilution Factor: 1				
Aluminum	2570	18.0	mg/kg	SW846 6010B	07/16/07	J2P7L1AK
		Dilution Factor: 1				
Arsenic	11.9	0.090	mg/kg	SW846 6020	07/16-07/18/07	J2P7L1AA
		Dilution Factor: 1				
Barium	23.7	0.90	mg/kg	SW846 6010B	07/16/07	J2P7L1AL
		Dilution Factor: 1				
Beryllium	ND	0.18	mg/kg	SW846 6010B	07/16/07	J2P7L1AM
		Dilution Factor: 1				
Calcium	669	450	mg/kg	SW846 6010B	07/16/07	J2P7L1AP
		Dilution Factor: 1				
Cadmium	ND	0.090	mg/kg	SW846 6010B	07/16/07	J2P7L1AN
		Dilution Factor: 1				
Cobalt	2.4	0.45	mg/kg	SW846 6010B	07/16/07	J2P7L1AQ
		Dilution Factor: 1				
Chromium	8.5	0.45	mg/kg	SW846 6010B	07/16/07	J2P7L1A2
		Dilution Factor: 1				
Copper	4.1	0.90	mg/kg	SW846 6010B	07/16/07	J2P7L1AR
		Dilution Factor: 1				
Iron	14600	9.0	mg/kg	SW846 6010B	07/16/07	J2P7L1AT
		Dilution Factor: 1				
Mercury	ND	0.045	mg/kg	SW846 7471A	07/16/07	J2P7L1AJ
		Dilution Factor: 1				
Potassium	ND	450	mg/kg	SW846 6010B	07/16/07	J2P7L1AX
		Dilution Factor: 1				
Magnesium	767	90.0	mg/kg	SW846 6010B	07/16/07	J2P7L1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-621

TOTAL Metals

Lot-Sample #...: A7G120192-004

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Manganese	220	0.90	mg/kg	SW846 6010B	07/16/07	J2P7L1AV
		Dilution Factor: 1				
Sodium	383	90.0	mg/kg	SW846 6010B	07/16/07	J2P7L1A0
		Dilution Factor: 1				
Nickel	5.6	0.90	mg/kg	SW846 6010B	07/16/07	J2P7L1AW
		Dilution Factor: 1				
Lead	3.7	0.27	mg/kg	SW846 6010B	07/16/07	J2P7L1A3
		Dilution Factor: 1				
Antimony	ND	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P7L1A4
		Dilution Factor: 1				
Selenium	ND	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P7L1AC
		Dilution Factor: 1				
Thallium	ND	0.090	mg/kg	SW846 6020	07/16-07/18/07	J2P7L1AE
		Dilution Factor: 1				
Vanadium	13.3	0.90	mg/kg	SW846 6010B	07/16/07	J2P7L1A1
		Dilution Factor: 1				
Zinc	6.6	0.90	mg/kg	SW846 6020	07/16-07/18/07	J2P7L1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-621

General Chemistry

Lot-Sample #...: A7G120192-004    Work Order #...: J2P7L    Matrix.....: SO  
Date Sampled...: 07/10/07 08:50    Date Received..: 07/11/07  
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	88.9	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-622

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-005    Work Order #...: J2P7M1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 08:55    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 7.9    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	290	ug/kg
Acenaphthylene	ND	290	ug/kg
Anthracene	ND	290	ug/kg
Benzo(a)anthracene	ND	290	ug/kg
Benzo(a)pyrene	ND	290	ug/kg
Benzo(b)fluoranthene	ND	290	ug/kg
Benzo(ghi)perylene	ND	290	ug/kg
Benzo(k)fluoranthene	ND	290	ug/kg
Chrysene	ND	290	ug/kg
Dibenz(a,h)anthracene	ND	290	ug/kg
Fluoranthene	ND	290	ug/kg
Fluorene	ND	290	ug/kg
Indeno(1,2,3-cd)pyrene	ND	290	ug/kg
2-Methylnaphthalene	ND	290	ug/kg
Naphthalene	ND	290	ug/kg
Phenanthrene	ND	290	ug/kg
Pyrene	ND	290	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	69	(24 - 112)
2-Fluorobiphenyl	80	(34 - 110)
Terphenyl-d14	103	(41 - 119)
Phenol-d5	73	(28 - 110)
2-Fluorophenol	78	(26 - 110)
2,4,6-Tribromophenol	73	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-622

TOTAL Metals

Lot-Sample #...: A7G120192-005

Matrix.....: SO

Date Sampled...: 07/10/07 08:55 Date Received...: 07/11/07

% Moisture.....: 7.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.087	mg/kg	SW846 6020	07/16-07/18/07	J2P7M1AD
		Dilution Factor: 1				
Aluminum	2550	17.4	mg/kg	SW846 6010B	07/16/07	J2P7M1AK
		Dilution Factor: 1				
Arsenic	1.8	0.087	mg/kg	SW846 6020	07/16-07/18/07	J2P7M1AA
		Dilution Factor: 1				
Barium	10.4	0.87	mg/kg	SW846 6010B	07/16/07	J2P7M1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16/07	J2P7M1AM
		Dilution Factor: 1				
Calcium	709	434	mg/kg	SW846 6010B	07/16/07	J2P7M1AP
		Dilution Factor: 1				
Cadmium	ND	0.087	mg/kg	SW846 6010B	07/16/07	J2P7M1AN
		Dilution Factor: 1				
Cobalt	2.6	0.43	mg/kg	SW846 6010B	07/16/07	J2P7M1AQ
		Dilution Factor: 1				
Chromium	11.5	0.43	mg/kg	SW846 6010B	07/16/07	J2P7M1A2
		Dilution Factor: 1				
Copper	6.0	0.87	mg/kg	SW846 6010B	07/16/07	J2P7M1AR
		Dilution Factor: 1				
Iron	5460	8.7	mg/kg	SW846 6010B	07/16/07	J2P7M1AT
		Dilution Factor: 1				
Mercury	ND	0.043	mg/kg	SW846 7471A	07/16/07	J2P7M1AJ
		Dilution Factor: 1				
Potassium	ND	434	mg/kg	SW846 6010B	07/16/07	J2P7M1AX
		Dilution Factor: 1				
Magnesium	928	86.9	mg/kg	SW846 6010B	07/16/07	J2P7M1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-622

TOTAL Metals

Lot-Sample #...: A7G120192-005

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Manganese	36.6	0.87	mg/kg	SW846 6010B	07/16/07	J2P7M1AV
		Dilution Factor: 1				
Sodium	414	86.9	mg/kg	SW846 6010B	07/16/07	J2P7M1A0
		Dilution Factor: 1				
Nickel	6.3	0.87	mg/kg	SW846 6010B	07/16/07	J2P7M1AW
		Dilution Factor: 1				
Lead	2.5	0.26	mg/kg	SW846 6010B	07/16/07	J2P7M1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P7M1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P7M1AC
		Dilution Factor: 1				
Thallium	ND	0.087	mg/kg	SW846 6020	07/16-07/18/07	J2P7M1AE
		Dilution Factor: 1				
Vanadium	8.4	0.87	mg/kg	SW846 6010B	07/16/07	J2P7M1A1
		Dilution Factor: 1				
Zinc	10.3	0.87	mg/kg	SW846 6020	07/16-07/18/07	J2P7M1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-622

General Chemistry

Lot-Sample #...: A7G120192-005    Work Order #...: J2P7M    Matrix.....: SO  
Date Sampled...: 07/10/07 08:55    Date Received..: 07/11/07  
% Moisture.....: 7.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	92.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-623

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-006    Work Order #...: J2P7N1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 09:15    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 20  
 % Moisture.....: 16    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	6300	ug/kg
Acenaphthylene	ND	6300	ug/kg
Anthracene	ND	6300	ug/kg
<b>Benzo(a)anthracene</b>	<b>12000</b>	<b>6300</b>	<b>ug/kg</b>
<b>Benzo(a)pyrene</b>	<b>25000</b>	<b>6300</b>	<b>ug/kg</b>
<b>Benzo(b)fluoranthene</b>	<b>35000</b>	<b>6300</b>	<b>ug/kg</b>
<b>Benzo(ghi)perylene</b>	<b>24000</b>	<b>6300</b>	<b>ug/kg</b>
<b>Benzo(k)fluoranthene</b>	<b>14000</b>	<b>6300</b>	<b>ug/kg</b>
<b>Chrysene</b>	<b>15000</b>	<b>6300</b>	<b>ug/kg</b>
<b>Dibenz(a,h)anthracene</b>	<b>6400</b>	<b>6300</b>	<b>ug/kg</b>
<b>Fluoranthene</b>	<b>13000</b>	<b>6300</b>	<b>ug/kg</b>
Fluorene	ND	6300	ug/kg
<b>Indeno(1,2,3-cd)pyrene</b>	<b>21000</b>	<b>6300</b>	<b>ug/kg</b>
2-Methylnaphthalene	ND	6300	ug/kg
Naphthalene	ND	6300	ug/kg
Phenanthrene	ND	6300	ug/kg
<b>Pyrene</b>	<b>13000</b>	<b>6300</b>	<b>ug/kg</b>

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	76 DIL	(24 - 112)
2-Fluorobiphenyl	76 DIL	(34 - 110)
Terphenyl-d14	83 DIL	(41 - 119)
Phenol-d5	71 DIL	(28 - 110)
2-Fluorophenol	48 DIL	(26 - 110)
2,4,6-Tribromophenol	54 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
 Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-623

TOTAL Metals

Lot-Sample #...: A7G120192-006

Matrix.....: SO

Date Sampled...: 07/10/07 09:15 Date Received...: 07/11/07

% Moisture.....: 16

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	5.5	0.095	mg/kg	SW846 6020	07/16-07/18/07	J2P7N1AD
		Dilution Factor: 1				
Aluminum	3150	19.1	mg/kg	SW846 6010B	07/16/07	J2P7N1AK
		Dilution Factor: 1				
Arsenic	10.3	0.095	mg/kg	SW846 6020	07/16-07/18/07	J2P7N1AA
		Dilution Factor: 1				
Barium	745	0.95	mg/kg	SW846 6010B	07/16/07	J2P7N1AL
		Dilution Factor: 1				
Beryllium	ND	0.19	mg/kg	SW846 6010B	07/16/07	J2P7N1AM
		Dilution Factor: 1				
Calcium	18500	477	mg/kg	SW846 6010B	07/16/07	J2P7N1AP
		Dilution Factor: 1				
Cadmium	5.8	0.48	mg/kg	SW846 6010B	07/16-07/17/07	J2P7N1AN
		Dilution Factor: 5				
Cobalt	47.2	0.48	mg/kg	SW846 6010B	07/16/07	J2P7N1AQ
		Dilution Factor: 1				
Chromium	424	0.48	mg/kg	SW846 6010B	07/16/07	J2P7N1A2
		Dilution Factor: 1				
Copper	1790	0.95	mg/kg	SW846 6010B	07/16/07	J2P7N1AR
		Dilution Factor: 1				
Iron	186000	47.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P7N1AT
		Dilution Factor: 5				
Mercury	ND	0.048	mg/kg	SW846 7471A	07/16/07	J2P7N1AJ
		Dilution Factor: 1				
Potassium	ND	477	mg/kg	SW846 6010B	07/16/07	J2P7N1AX
		Dilution Factor: 1				
Magnesium	5010	95.5	mg/kg	SW846 6010B	07/16/07	J2P7N1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-623

TOTAL Metals

Lot-Sample #...: A7G120192-006

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	3140	4.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P7N1AV
		Dilution Factor: 5				
Sodium	2450	95.5	mg/kg	SW846 6010B	07/16/07	J2P7N1A0
		Dilution Factor: 1				
Nickel	449	0.95	mg/kg	SW846 6010B	07/16/07	J2P7N1AW
		Dilution Factor: 1				
Lead	1630	1.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P7N1A3
		Dilution Factor: 5				
Antimony	4.7	0.19	mg/kg	SW846 6020	07/16-07/18/07	J2P7N1A4
		Dilution Factor: 1				
Selenium	0.44	0.19	mg/kg	SW846 6020	07/16-07/18/07	J2P7N1AC
		Dilution Factor: 1				
Thallium	0.11	0.095	mg/kg	SW846 6020	07/16-07/18/07	J2P7N1AE
		Dilution Factor: 1				
Vanadium	22.0	4.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P7N1A1
		Dilution Factor: 5				
Zinc	2990	9.5	mg/kg	SW846 6020	07/16-07/18/07	J2P7N1AF
		Dilution Factor: 10				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-623

General Chemistry

Lot-Sample #...: A7G120192-006    Work Order #...: J2P7N    Matrix.....: SO  
Date Sampled...: 07/10/07 09:15    Date Received..: 07/11/07  
% Moisture.....: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	83.8	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-624

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-007    Work Order #...: J2P7Q1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 09:20    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 16    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	310	ug/kg
Acenaphthylene	ND	310	ug/kg
Anthracene	ND	310	ug/kg
<b>Benzo(a)anthracene</b>	<b>330</b>	<b>310</b>	<b>ug/kg</b>
Benzo(a)pyrene	ND	310	ug/kg
<b>Benzo(b)fluoranthene</b>	<b>670</b>	<b>310</b>	<b>ug/kg</b>
<b>Benzo(ghi)perylene</b>	<b>460</b>	<b>310</b>	<b>ug/kg</b>
Benzo(k)fluoranthene	ND	310	ug/kg
<b>Chrysene</b>	<b>580</b>	<b>310</b>	<b>ug/kg</b>
Dibenz(a,h)anthracene	ND	310	ug/kg
<b>Fluoranthene</b>	<b>740</b>	<b>310</b>	<b>ug/kg</b>
Fluorene	ND	310	ug/kg
<b>Indeno(1,2,3-cd)pyrene</b>	<b>320</b>	<b>310</b>	<b>ug/kg</b>
2-Methylnaphthalene	ND	310	ug/kg
Naphthalene	ND	310	ug/kg
<b>Phenanthrene</b>	<b>580</b>	<b>310</b>	<b>ug/kg</b>
<b>Pyrene</b>	<b>360</b>	<b>310</b>	<b>ug/kg</b>

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	62	(24 - 112)
2-Fluorobiphenyl	74	(34 - 110)
Terphenyl-d14	84	(41 - 119)
Phenol-d5	78	(28 - 110)
2-Fluorophenol	80	(26 - 110)
2,4,6-Tribromophenol	67	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-624

TOTAL Metals

Lot-Sample #...: A7G120192-007

Matrix.....: SO

Date Sampled...: 07/10/07 09:20 Date Received...: 07/11/07

% Moisture.....: 16

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197050						
Silver	13.5	0.095	mg/kg	SW846 6020	07/16-07/18/07	J2P7Q1AD
		Dilution Factor: 1				
Aluminum	4060	18.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AK
		Dilution Factor: 1				
Arsenic	14.5	0.095	mg/kg	SW846 6020	07/16-07/18/07	J2P7Q1AA
		Dilution Factor: 1				
Barium	1050	0.95	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AL
		Dilution Factor: 1				
Beryllium	ND	0.19	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AM
		Dilution Factor: 1				
Calcium	36200	474	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AP
		Dilution Factor: 1				
Cadmium	28.3	0.47	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AN
		Dilution Factor: 5				
Cobalt	146	0.47	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AQ
		Dilution Factor: 1				
Chromium	13200	2.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1A2
		Dilution Factor: 5				
Copper	2480	0.95	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AR
		Dilution Factor: 1				
Iron	278000	47.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AT
		Dilution Factor: 5				
Mercury	ND	0.047	mg/kg	SW846 7471A	07/16/07	J2P7Q1AJ
		Dilution Factor: 1				
Potassium	666	474	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AX
		Dilution Factor: 1				
Magnesium	3090	94.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-624

TOTAL Metals

Lot-Sample #...: A7G120192-007

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	7180	4.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AV
		Dilution Factor: 5				
Sodium	2220	94.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1A0
		Dilution Factor: 1				
Nickel	6710	4.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1AW
		Dilution Factor: 5				
Lead	5830	1.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1A3
		Dilution Factor: 5				
Antimony	29.6	0.19	mg/kg	SW846 6020	07/16-07/18/07	J2P7Q1A4
		Dilution Factor: 1				
Selenium	0.78	0.19	mg/kg	SW846 6020	07/16-07/18/07	J2P7Q1AC
		Dilution Factor: 1				
Thallium	0.14	0.095	mg/kg	SW846 6020	07/16-07/18/07	J2P7Q1AE
		Dilution Factor: 1				
Vanadium	55.7	4.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P7Q1A1
		Dilution Factor: 5				
Zinc	7520	18.9	mg/kg	SW846 6020	07/16-07/18/07	J2P7Q1AF
		Dilution Factor: 20				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-624

General Chemistry

Lot-Sample #...: A7G120192-007    Work Order #...: J2P7Q    Matrix.....: SO  
Date Sampled...: 07/10/07 09:20    Date Received..: 07/11/07  
% Moisture.....: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	84.5	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-625

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-008    Work Order #...: J2P8H1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 09:25    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 50  
 % Moisture.....: 33    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	20000	ug/kg
Acenaphthylene	ND	20000	ug/kg
Anthracene	ND	20000	ug/kg
Benzo(a)anthracene	ND	20000	ug/kg
Benzo(a)pyrene	ND	20000	ug/kg
Benzo(b)fluoranthene	ND	20000	ug/kg
Benzo(ghi)perylene	ND	20000	ug/kg
Benzo(k)fluoranthene	ND	20000	ug/kg
Chrysene	ND	20000	ug/kg
Dibenz(a,h)anthracene	ND	20000	ug/kg
Fluoranthene	ND	20000	ug/kg
Fluorene	ND	20000	ug/kg
Indeno(1,2,3-cd)pyrene	ND	20000	ug/kg
2-Methylnaphthalene	ND	20000	ug/kg
Naphthalene	ND	20000	ug/kg
Phenanthrene	ND	20000	ug/kg
Pyrene	ND	20000	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	0.0 DIL, *	(24 - 112)
2-Fluorobiphenyl	63 DIL	(34 - 110)
Terphenyl-d14	72 DIL	(41 - 119)
Phenol-d5	58 DIL	(28 - 110)
2-Fluorophenol	0.0 DIL, *	(26 - 110)
2,4,6-Tribromophenol	0.0 DIL, *	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-625

TOTAL Metals

Lot-Sample #...: A7G120192-008

Matrix.....: SO

Date Sampled...: 07/10/07 09:25 Date Received...: 07/11/07

% Moisture.....: 33

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197050					
Silver	0.14	0.12	mg/kg	SW846 6020	07/16-07/18/07	J2P8H1AD
		Dilution Factor: 1				
Aluminum	2920	24.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AK
		Dilution Factor: 1				
Arsenic	50.3	0.12	mg/kg	SW846 6020	07/16-07/18/07	J2P8H1AA
		Dilution Factor: 1				
Barium	89.8	1.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AL
		Dilution Factor: 1				
Beryllium	0.44	0.24	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AM
		Dilution Factor: 1				
Calcium	18100	599	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AP
		Dilution Factor: 1				
Cadmium	0.28	0.12	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AN
		Dilution Factor: 1				
Cobalt	4.8	0.60	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AQ
		Dilution Factor: 1				
Chromium	14.6	0.60	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1A2
		Dilution Factor: 1				
Copper	34.4	1.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AR
		Dilution Factor: 1				
Iron	4950	12.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AT
		Dilution Factor: 1				
Mercury	ND	0.060	mg/kg	SW846 7471A	07/16/07	J2P8H1AJ
		Dilution Factor: 1				
Potassium	ND	599	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AX
		Dilution Factor: 1				
Magnesium	3630	120	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-625

TOTAL Metals

Lot-Sample #...: A7G120192-008

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	97.5	1.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AV
		Dilution Factor: 1				
Sodium	1770	120	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1A0
		Dilution Factor: 1				
Nickel	29.1	1.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1AW
		Dilution Factor: 1				
Lead	42.2	0.36	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1A3
		Dilution Factor: 1				
Antimony	ND	0.24	mg/kg	SW846 6020	07/16-07/18/07	J2P8H1A4
		Dilution Factor: 1				
Selenium	3.5	0.24	mg/kg	SW846 6020	07/16-07/18/07	J2P8H1AC
		Dilution Factor: 1				
Thallium	0.61	0.12	mg/kg	SW846 6020	07/16-07/18/07	J2P8H1AE
		Dilution Factor: 1				
Vanadium	11.4	1.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P8H1A1
		Dilution Factor: 1				
Zinc	82.1	1.2	mg/kg	SW846 6020	07/16-07/18/07	J2P8H1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-625

General Chemistry

Lot-Sample #...: A7G120192-008    Work Order #...: J2P8H    Matrix.....: SO  
Date Sampled...: 07/10/07 09:25    Date Received..: 07/11/07  
% Moisture.....: 33

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	66.8	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-626

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-009    Work Order #...: J2P8J1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 09:30    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 50  
 % Moisture.....: 22    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	17000	ug/kg
Acenaphthylene	ND	17000	ug/kg
Anthracene	ND	17000	ug/kg
Benzo(a)anthracene	ND	17000	ug/kg
Benzo(a)pyrene	ND	17000	ug/kg
Benzo(b)fluoranthene	ND	17000	ug/kg
Benzo(ghi)perylene	ND	17000	ug/kg
Benzo(k)fluoranthene	ND	17000	ug/kg
Chrysene	ND	17000	ug/kg
Dibenz(a,h)anthracene	ND	17000	ug/kg
Fluoranthene	ND	17000	ug/kg
Fluorene	ND	17000	ug/kg
Indeno(1,2,3-cd)pyrene	ND	17000	ug/kg
2-Methylnaphthalene	ND	17000	ug/kg
Naphthalene	ND	17000	ug/kg
Phenanthrene	ND	17000	ug/kg
Pyrene	ND	17000	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	0.0 DIL, *	(24 - 112)
2-Fluorobiphenyl	0.0 DIL, *	(34 - 110)
Terphenyl-d14	0.0 DIL, *	(41 - 119)
Phenol-d5	0.0 DIL, *	(28 - 110)
2-Fluorophenol	0.0 DIL, *	(26 - 110)
2,4,6-Tribromophenol	0.0 DIL, *	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-626

TOTAL Metals

Lot-Sample #...: A7G120192-009

Matrix.....: SO

Date Sampled...: 07/10/07 09:30 Date Received...: 07/11/07

% Moisture.....: 22

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P8J1AD
		Dilution Factor: 1				
Aluminum	2720	20.6	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AK
		Dilution Factor: 1				
Arsenic	3.0	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P8J1AA
		Dilution Factor: 1				
Barium	21.7	1.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AL
		Dilution Factor: 1				
Beryllium	ND	0.21	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AM
		Dilution Factor: 1				
Calcium	3920	515	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AP
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AN
		Dilution Factor: 1				
Cobalt	0.64	0.51	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AQ
		Dilution Factor: 1				
Chromium	4.4	0.51	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1A2
		Dilution Factor: 1				
Copper	3.1	1.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AR
		Dilution Factor: 1				
Iron	2480	10.3	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AT
		Dilution Factor: 1				
Mercury	ND	0.051	mg/kg	SW846 7471A	07/16/07	J2P8J1AJ
		Dilution Factor: 1				
Potassium	ND	515	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AX
		Dilution Factor: 1				
Magnesium	404	103	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-626

TOTAL Metals

Lot-Sample #...: A7G120192-009

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	22.5	1.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AV
		Dilution Factor: 1				
Sodium	1620	103	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1A0
		Dilution Factor: 1				
Nickel	2.7	1.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1AW
		Dilution Factor: 1				
Lead	4.2	0.31	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1A3
		Dilution Factor: 1				
Antimony	ND	0.21	mg/kg	SW846 6020	07/16-07/18/07	J2P8J1A4
		Dilution Factor: 1				
Selenium	0.82	0.21	mg/kg	SW846 6020	07/16-07/18/07	J2P8J1AC
		Dilution Factor: 1				
Thallium	ND	0.10	mg/kg	SW846 6020	07/16-07/18/07	J2P8J1AE
		Dilution Factor: 1				
Vanadium	8.4	1.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8J1A1
		Dilution Factor: 1				
Zinc	4.2	1.0	mg/kg	SW846 6020	07/16-07/18/07	J2P8J1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-626

General Chemistry

Lot-Sample #...: A7G120192-009    Work Order #...: J2P8J    Matrix.....: SO  
Date Sampled...: 07/10/07 09:30    Date Received..: 07/11/07  
% Moisture.....: 22

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	77.7	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-627

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-010    Work Order #...: J2P8L1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 09:35    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/25/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 25  
 % Moisture.....: 18    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	8000	ug/kg
Acenaphthylene	ND	8000	ug/kg
Anthracene	ND	8000	ug/kg
Benzo(a)anthracene	ND	8000	ug/kg
Benzo(a)pyrene	ND	8000	ug/kg
Benzo(b)fluoranthene	ND	8000	ug/kg
Benzo(ghi)perylene	ND	8000	ug/kg
Benzo(k)fluoranthene	ND	8000	ug/kg
Chrysene	ND	8000	ug/kg
Dibenz(a,h)anthracene	ND	8000	ug/kg
Fluoranthene	ND	8000	ug/kg
Fluorene	ND	8000	ug/kg
Indeno(1,2,3-cd)pyrene	ND	8000	ug/kg
2-Methylnaphthalene	ND	8000	ug/kg
Naphthalene	ND	8000	ug/kg
Phenanthrene	ND	8000	ug/kg
Pyrene	ND	8000	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	113 DIL, *	(24 - 112)
2-Fluorobiphenyl	116 DIL, *	(34 - 110)
Terphenyl-d14	154 DIL, *	(41 - 119)
Phenol-d5	111 DIL, *	(28 - 110)
2-Fluorophenol	109 DIL	(26 - 110)
2,4,6-Tribromophenol	108 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-627

TOTAL Metals

Lot-Sample #...: A7G120192-010

Matrix.....: SO

Date Sampled...: 07/10/07 09:35 Date Received...: 07/11/07

% Moisture.....: 18

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.097	mg/kg	SW846 6020	07/16-07/18/07	J2P8L1AD
		Dilution Factor: 1				
Aluminum	2780	19.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AK
		Dilution Factor: 1				
Arsenic	0.77	0.097	mg/kg	SW846 6020	07/16-07/18/07	J2P8L1AA
		Dilution Factor: 1				
Barium	7.6	0.97	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AL
		Dilution Factor: 1				
Beryllium	ND	0.19	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AM
		Dilution Factor: 1				
Calcium	943	486	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AP
		Dilution Factor: 1				
Cadmium	ND	0.097	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AN
		Dilution Factor: 1				
Cobalt	2.6	0.49	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AQ
		Dilution Factor: 1				
Chromium	8.6	0.49	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1A2
		Dilution Factor: 1				
Copper	2.8	0.97	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AR
		Dilution Factor: 1				
Iron	3800	9.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AT
		Dilution Factor: 1				
Mercury	ND	0.049	mg/kg	SW846 7471A	07/16/07	J2P8L1AJ
		Dilution Factor: 1				
Potassium	ND	486	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AX
		Dilution Factor: 1				
Magnesium	1210	97.1	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-627

TOTAL Metals

Lot-Sample #...: A7G120192-010

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	34.7	0.97	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AV
		Dilution Factor: 1				
Sodium	448	97.1	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1A0
		Dilution Factor: 1				
Nickel	6.0	0.97	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1AW
		Dilution Factor: 1				
Lead	3.1	0.29	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1A3
		Dilution Factor: 1				
Antimony	ND	0.19	mg/kg	SW846 6020	07/16-07/18/07	J2P8L1A4
		Dilution Factor: 1				
Selenium	0.33	0.19	mg/kg	SW846 6020	07/16-07/18/07	J2P8L1AC
		Dilution Factor: 1				
Thallium	ND	0.097	mg/kg	SW846 6020	07/16-07/18/07	J2P8L1AE
		Dilution Factor: 1				
Vanadium	10.2	0.97	mg/kg	SW846 6010B	07/16-07/17/07	J2P8L1A1
		Dilution Factor: 1				
Zinc	8.6	0.97	mg/kg	SW846 6020	07/16-07/18/07	J2P8L1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-627

General Chemistry

Lot-Sample #...: A7G120192-010    Work Order #...: J2P8L    Matrix.....: SO  
Date Sampled...: 07/10/07 09:35    Date Received..: 07/11/07  
% Moisture.....: 18

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	82.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-628

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-011    Work Order #...: J2P8M1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 09:55    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 10    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	290	ug/kg
Acenaphthylene	ND	290	ug/kg
Anthracene	ND	290	ug/kg
Benzo(a)anthracene	ND	290	ug/kg
Benzo(a)pyrene	ND	290	ug/kg
Benzo(b)fluoranthene	ND	290	ug/kg
Benzo(ghi)perylene	ND	290	ug/kg
Benzo(k)fluoranthene	ND	290	ug/kg
Chrysene	ND	290	ug/kg
Dibenz(a,h)anthracene	ND	290	ug/kg
<b>Fluoranthene</b>	<b>550</b>	<b>290</b>	<b>ug/kg</b>
Fluorene	ND	290	ug/kg
Indeno(1,2,3-cd)pyrene	ND	290	ug/kg
2-Methylnaphthalene	ND	290	ug/kg
Naphthalene	ND	290	ug/kg
<b>Phenanthrene</b>	<b>450</b>	<b>290</b>	<b>ug/kg</b>
<b>Pyrene</b>	<b>350</b>	<b>290</b>	<b>ug/kg</b>

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	64	(24 - 112)
2-Fluorobiphenyl	72	(34 - 110)
Terphenyl-d14	87	(41 - 119)
Phenol-d5	69	(28 - 110)
2-Fluorophenol	70	(26 - 110)
2,4,6-Tribromophenol	69	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-628

TOTAL Metals

Lot-Sample #...: A7G120192-011

Matrix.....: SO

Date Sampled...: 07/10/07 09:55 Date Received...: 07/11/07

% Moisture.....: 10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197050						
Silver	0.32	0.089	mg/kg	SW846 6020	07/16-07/18/07	J2P8M1AD
		Dilution Factor: 1				
Aluminum	4220	17.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AK
		Dilution Factor: 1				
Arsenic	3.5	0.089	mg/kg	SW846 6020	07/16-07/18/07	J2P8M1AA
		Dilution Factor: 1				
Barium	48.4	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AL
		Dilution Factor: 1				
Beryllium	0.59	0.18	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AM
		Dilution Factor: 1				
Calcium	3690	445	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AP
		Dilution Factor: 1				
Cadmium	ND	0.089	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AN
		Dilution Factor: 1				
Cobalt	4.5	0.44	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AQ
		Dilution Factor: 1				
Chromium	6.8	0.44	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1A2
		Dilution Factor: 1				
Copper	118	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AR
		Dilution Factor: 1				
Iron	3280	8.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AT
		Dilution Factor: 1				
Mercury	ND	0.044	mg/kg	SW846 7471A	07/16/07	J2P8M1AJ
		Dilution Factor: 1				
Potassium	ND	445	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AX
		Dilution Factor: 1				
Magnesium	234	89.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-628

TOTAL Metals

Lot-Sample #...: A7G120192-011

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	63.1	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AV
		Dilution Factor: 1				
Sodium	755	89.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1A0
		Dilution Factor: 1				
Nickel	8.3	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1AW
		Dilution Factor: 1				
Lead	16.5	0.27	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1A3
		Dilution Factor: 1				
Antimony	ND	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P8M1A4
		Dilution Factor: 1				
Selenium	0.23	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P8M1AC
		Dilution Factor: 1				
Thallium	ND	0.089	mg/kg	SW846 6020	07/16-07/18/07	J2P8M1AE
		Dilution Factor: 1				
Vanadium	7.6	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8M1A1
		Dilution Factor: 1				
Zinc	38.6	0.89	mg/kg	SW846 6020	07/16-07/18/07	J2P8M1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-628

General Chemistry

Lot-Sample #...: A7G120192-011    Work Order #...: J2P8M    Matrix.....: SO  
Date Sampled...: 07/10/07 09:55    Date Received..: 07/11/07  
% Moisture.....: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	89.9	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-629

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-012    Work Order #...: J2P8P1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 10:00    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/25/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 20  
 % Moisture.....: 13    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	6000	ug/kg
Acenaphthylene	ND	6000	ug/kg
Anthracene	ND	6000	ug/kg
Benzo(a)anthracene	ND	6000	ug/kg
Benzo(a)pyrene	ND	6000	ug/kg
Benzo(b)fluoranthene	ND	6000	ug/kg
Benzo(ghi)perylene	ND	6000	ug/kg
Benzo(k)fluoranthene	ND	6000	ug/kg
Chrysene	ND	6000	ug/kg
Dibenz(a,h)anthracene	ND	6000	ug/kg
Fluoranthene	ND	6000	ug/kg
Fluorene	ND	6000	ug/kg
Indeno(1,2,3-cd)pyrene	ND	6000	ug/kg
2-Methylnaphthalene	ND	6000	ug/kg
Naphthalene	ND	6000	ug/kg
Phenanthrene	ND	6000	ug/kg
Pyrene	ND	6000	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	62 DIL	(24 - 112)
2-Fluorobiphenyl	77 DIL	(34 - 110)
Terphenyl-d14	107 DIL	(41 - 119)
Phenol-d5	91 DIL	(28 - 110)
2-Fluorophenol	52 DIL	(26 - 110)
2,4,6-Tribromophenol	84 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
 Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-629

TOTAL Metals

Lot-Sample #...: A7G120192-012

Matrix.....: SO

Date Sampled...: 07/10/07 10:00 Date Received...: 07/11/07

% Moisture.....: 13

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.091	mg/kg	SW846 6020	07/16-07/18/07	J2P8P1AD
		Dilution Factor: 1				
Aluminum	7860	18.3	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AK
		Dilution Factor: 1				
Arsenic	3.1	0.091	mg/kg	SW846 6020	07/16-07/18/07	J2P8P1AA
		Dilution Factor: 1				
Barium	76.2	0.91	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AL
		Dilution Factor: 1				
Beryllium	2.2	0.18	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AM
		Dilution Factor: 1				
Calcium	9770	457	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AP
		Dilution Factor: 1				
Cadmium	ND	0.091	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AN
		Dilution Factor: 1				
Cobalt	7.8	0.46	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AQ
		Dilution Factor: 1				
Chromium	6.6	0.46	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1A2
		Dilution Factor: 1				
Copper	55.0	0.91	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AR
		Dilution Factor: 1				
Iron	6800	9.1	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AT
		Dilution Factor: 1				
Mercury	ND	0.046	mg/kg	SW846 7471A	07/16/07	J2P8P1AJ
		Dilution Factor: 1				
Potassium	ND	457	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AX
		Dilution Factor: 1				
Magnesium	407	91.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-629

TOTAL Metals

Lot-Sample #...: A7G120192-012

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	114	0.91	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AV
		Dilution Factor: 1				
Sodium	1260	91.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1A0
		Dilution Factor: 1				
Nickel	14.2	0.91	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1AW
		Dilution Factor: 1				
Lead	3.6	0.27	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1A3
		Dilution Factor: 1				
Antimony	ND	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P8P1A4
		Dilution Factor: 1				
Selenium	0.27	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P8P1AC
		Dilution Factor: 1				
Thallium	ND	0.091	mg/kg	SW846 6020	07/16-07/18/07	J2P8P1AE
		Dilution Factor: 1				
Vanadium	13.3	0.91	mg/kg	SW846 6010B	07/16-07/17/07	J2P8P1A1
		Dilution Factor: 1				
Zinc	7.4	0.91	mg/kg	SW846 6020	07/16-07/18/07	J2P8P1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-629

General Chemistry

Lot-Sample #...: A7G120192-012    Work Order #...: J2P8P    Matrix.....: SO  
Date Sampled...: 07/10/07 10:00    Date Received..: 07/11/07  
% Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	87.5	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-630

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-013    Work Order #...: J2P8Q1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 10:05    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/25/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 50  
 % Moisture.....: 10    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	15000	ug/kg
Acenaphthylene	ND	15000	ug/kg
Anthracene	ND	15000	ug/kg
Benzo(a)anthracene	ND	15000	ug/kg
Benzo(a)pyrene	ND	15000	ug/kg
Benzo(b)fluoranthene	ND	15000	ug/kg
Benzo(ghi)perylene	ND	15000	ug/kg
Benzo(k)fluoranthene	ND	15000	ug/kg
Chrysene	ND	15000	ug/kg
Dibenz(a,h)anthracene	ND	15000	ug/kg
Fluoranthene	ND	15000	ug/kg
Fluorene	ND	15000	ug/kg
Indeno(1,2,3-cd)pyrene	ND	15000	ug/kg
2-Methylnaphthalene	ND	15000	ug/kg
Naphthalene	ND	15000	ug/kg
Phenanthrene	ND	15000	ug/kg
Pyrene	ND	15000	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	89 DIL	(24 - 112)
2-Fluorobiphenyl	80 DIL	(34 - 110)
Terphenyl-d14	155 DIL, *	(41 - 119)
Phenol-d5	86 DIL	(28 - 110)
2-Fluorophenol	70 DIL	(26 - 110)
2,4,6-Tribromophenol	0.0 DIL, *	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-630

TOTAL Metals

Lot-Sample #...: A7G120192-013

Matrix.....: SO

Date Sampled...: 07/10/07 10:05 Date Received...: 07/11/07

% Moisture.....: 10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197050					
Silver	2.4	0.089	mg/kg	SW846 6020	07/16-07/18/07	J2P8Q1AD
		Dilution Factor: 1				
Aluminum	3080	17.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AK
		Dilution Factor: 1				
Arsenic	31.9	0.089	mg/kg	SW846 6020	07/16-07/18/07	J2P8Q1AA
		Dilution Factor: 1				
Barium	476	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AL
		Dilution Factor: 1				
Beryllium	ND	0.18	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AM
		Dilution Factor: 1				
Calcium	13500	446	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AP
		Dilution Factor: 1				
Cadmium	7.6	0.18	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AN
		Dilution Factor: 2				
Cobalt	35.4	0.45	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AQ
		Dilution Factor: 1				
Chromium	1460	0.45	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1A2
		Dilution Factor: 1				
Copper	838	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AR
		Dilution Factor: 1				
Iron	96000	17.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AT
		Dilution Factor: 2				
Mercury	ND	0.045	mg/kg	SW846 7471A	07/16/07	J2P8Q1AJ
		Dilution Factor: 1				
Potassium	ND	446	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AX
		Dilution Factor: 1				
Magnesium	2300	89.3	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-630

TOTAL Metals

Lot-Sample #...: A7G120192-013

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	1580	1.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AV
		Dilution Factor: 2				
Sodium	1460	89.3	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1A0
		Dilution Factor: 1				
Nickel	566	0.89	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1AW
		Dilution Factor: 1				
Lead	1170	0.54	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1A3
		Dilution Factor: 2				
Antimony	4.2	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P8Q1A4
		Dilution Factor: 1				
Selenium	0.68	0.18	mg/kg	SW846 6020	07/16-07/18/07	J2P8Q1AC
		Dilution Factor: 1				
Thallium	0.21	0.089	mg/kg	SW846 6020	07/16-07/18/07	J2P8Q1AE
		Dilution Factor: 1				
Vanadium	79.0	1.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P8Q1A1
		Dilution Factor: 2				
Zinc	792	4.5	mg/kg	SW846 6020	07/16-07/18/07	J2P8Q1AF
		Dilution Factor: 5				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-630

General Chemistry

Lot-Sample #...: A7G120192-013    Work Order #...: J2P8Q    Matrix.....: SO  
Date Sampled...: 07/10/07 10:05    Date Received..: 07/11/07  
% Moisture.....: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	89.6	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-631

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-014    Work Order #...: J2P8T1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 10:10    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 6.5    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	62	(24 - 112)
2-Fluorobiphenyl	73	(34 - 110)
Terphenyl-d14	91	(41 - 119)
Phenol-d5	74	(28 - 110)
2-Fluorophenol	79	(26 - 110)
2,4,6-Tribromophenol	60	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-631

TOTAL Metals

Lot-Sample #...: A7G120192-014

Matrix.....: SO

Date Sampled...: 07/10/07 10:10 Date Received...: 07/11/07

% Moisture.....: 6.5

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197050						
Silver	ND	0.086	mg/kg	SW846 6020	07/16-07/18/07	J2P8T1AD
		Dilution Factor: 1				
Aluminum	2570	17.1	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AK
		Dilution Factor: 1				
Arsenic	3.7	0.086	mg/kg	SW846 6020	07/16-07/18/07	J2P8T1AA
		Dilution Factor: 1				
Barium	11.2	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AM
		Dilution Factor: 1				
Calcium	492	428	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AP
		Dilution Factor: 1				
Cadmium	ND	0.086	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AN
		Dilution Factor: 1				
Cobalt	2.0	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AQ
		Dilution Factor: 1				
Chromium	6.5	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1A2
		Dilution Factor: 1				
Copper	3.4	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AR
		Dilution Factor: 1				
Iron	7390	8.6	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AT
		Dilution Factor: 1				
Mercury	ND	0.043	mg/kg	SW846 7471A	07/16/07	J2P8T1AJ
		Dilution Factor: 1				
Potassium	ND	428	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AX
		Dilution Factor: 1				
Magnesium	863	85.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-631

TOTAL Metals

Lot-Sample #...: A7G120192-014

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	46.7	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AV
		Dilution Factor: 1				
Sodium	242	85.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1A0
		Dilution Factor: 1				
Nickel	5.3	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1AW
		Dilution Factor: 1				
Lead	2.4	0.26	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P8T1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P8T1AC
		Dilution Factor: 1				
Thallium	ND	0.086	mg/kg	SW846 6020	07/16-07/18/07	J2P8T1AE
		Dilution Factor: 1				
Vanadium	10.7	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P8T1A1
		Dilution Factor: 1				
Zinc	8.2	0.86	mg/kg	SW846 6020	07/16-07/18/07	J2P8T1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-631

General Chemistry

Lot-Sample #...: A7G120192-014    Work Order #...: J2P8T    Matrix.....: SO  
Date Sampled...: 07/10/07 10:10    Date Received..: 07/11/07  
% Moisture.....: 6.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	93.5	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-632

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-015    Work Order #...: J2P8V1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 10:15    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 5.9    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	65	(24 - 112)
2-Fluorobiphenyl	68	(34 - 110)
Terphenyl-d14	93	(41 - 119)
Phenol-d5	72	(28 - 110)
2-Fluorophenol	75	(26 - 110)
2,4,6-Tribromophenol	57	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-632

TOTAL Metals

Lot-Sample #...: A7G120192-015

Matrix.....: SO

Date Sampled...: 07/10/07 10:15 Date Received...: 07/11/07

% Moisture.....: 5.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P8V1AD
		Dilution Factor: 1				
Aluminum	2470	17.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AK
		Dilution Factor: 1				
Arsenic	1.4	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P8V1AA
		Dilution Factor: 1				
Barium	12.9	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AM
		Dilution Factor: 1				
Calcium	583	425	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AP
		Dilution Factor: 1				
Cadmium	ND	0.085	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AN
		Dilution Factor: 1				
Cobalt	1.7	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AQ
		Dilution Factor: 1				
Chromium	6.1	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1A2
		Dilution Factor: 1				
Copper	3.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AR
		Dilution Factor: 1				
Iron	4370	8.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AT
		Dilution Factor: 1				
Mercury	ND	0.043	mg/kg	SW846 7471A	07/16/07	J2P8V1AJ
		Dilution Factor: 1				
Potassium	ND	425	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AX
		Dilution Factor: 1				
Magnesium	772	85.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-632

TOTAL Metals

Lot-Sample #...: A7G120192-015

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	30.0	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AV
		Dilution Factor: 1				
Sodium	211	85.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1A0
		Dilution Factor: 1				
Nickel	5.4	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1AW
		Dilution Factor: 1				
Lead	2.1	0.26	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P8V1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P8V1AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P8V1AE
		Dilution Factor: 1				
Vanadium	7.3	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P8V1A1
		Dilution Factor: 1				
Zinc	8.3	0.85	mg/kg	SW846 6020	07/16-07/18/07	J2P8V1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-632

General Chemistry

Lot-Sample #...: A7G120192-015    Work Order #...: J2P8V    Matrix.....: SO  
Date Sampled...: 07/10/07 10:15    Date Received..: 07/11/07  
% Moisture.....: 5.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-633

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-016    Work Order #...: J2P8W1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 11:00    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 4.2    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	70	(24 - 112)
2-Fluorobiphenyl	77	(34 - 110)
Terphenyl-d14	94	(41 - 119)
Phenol-d5	81	(28 - 110)
2-Fluorophenol	84	(26 - 110)
2,4,6-Tribromophenol	55	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-633

TOTAL Metals

Lot-Sample #...: A7G120192-016

Matrix.....: SO

Date Sampled...: 07/10/07 11:00 Date Received...: 07/11/07

% Moisture.....: 4.2

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197050					
Silver	2.9	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P8W1AD
		Dilution Factor: 1				
Aluminum	465	16.7	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AK
		Dilution Factor: 1				
Arsenic	2.5	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P8W1AA
		Dilution Factor: 1				
Barium	21.9	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AM
		Dilution Factor: 1				
Calcium	647	418	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AP
		Dilution Factor: 1				
Cadmium	0.13	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AN
		Dilution Factor: 1				
Cobalt	7.4	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AQ
		Dilution Factor: 1				
Chromium	41.0	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1A2
		Dilution Factor: 1				
Copper	19.5	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AR
		Dilution Factor: 1				
Iron	11100	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2P8W1AJ
		Dilution Factor: 1				
Potassium	ND	418	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AX
		Dilution Factor: 1				
Magnesium	227	83.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-633

TOTAL Metals

Lot-Sample #...: A7G120192-016

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	108	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AV
		Dilution Factor: 1				
Sodium	704	83.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1A0
		Dilution Factor: 1				
Nickel	21.6	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1AW
		Dilution Factor: 1				
Lead	11.8	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1A3
		Dilution Factor: 1				
Antimony	1.3	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P8W1A4
		Dilution Factor: 1				
Selenium	0.22	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P8W1AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P8W1AE
		Dilution Factor: 1				
Vanadium	8.5	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P8W1A1
		Dilution Factor: 1				
Zinc	10.6	0.84	mg/kg	SW846 6020	07/16-07/18/07	J2P8W1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-633

General Chemistry

Lot-Sample #...: A7G120192-016    Work Order #...: J2P8W    Matrix.....: SO  
Date Sampled...: 07/10/07 11:00    Date Received..: 07/11/07  
% Moisture.....: 4.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.8	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-634

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-017    Work Order #...: J2P811AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 11:05    Date Received..: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date..: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 2.4    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	53	(24 - 112)
2-Fluorobiphenyl	59	(34 - 110)
Terphenyl-d14	87	(41 - 119)
Phenol-d5	59	(28 - 110)
2-Fluorophenol	59	(26 - 110)
2,4,6-Tribromophenol	50	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-634

TOTAL Metals

Lot-Sample #...: A7G120192-017

Matrix.....: SO

Date Sampled...: 07/10/07 11:05 Date Received...: 07/11/07

% Moisture.....: 2.4

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197050					
Silver	2.5	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2P811AD
		Dilution Factor: 1				
Aluminum	147	16.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AK
		Dilution Factor: 1				
Arsenic	0.71	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2P811AA
		Dilution Factor: 1				
Barium	2.4	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AL
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AM
		Dilution Factor: 1				
Calcium	ND	410	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AP
		Dilution Factor: 1				
Cadmium	0.094	0.082	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AN
		Dilution Factor: 1				
Cobalt	0.78	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AQ
		Dilution Factor: 1				
Chromium	16.5	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2P811A2
		Dilution Factor: 1				
Copper	5.0	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AR
		Dilution Factor: 1				
Iron	5580	8.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2P811AJ
		Dilution Factor: 1				
Potassium	ND	410	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AX
		Dilution Factor: 1				
Magnesium	ND	82.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-634

TOTAL Metals

Lot-Sample #...: A7G120192-017

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	67.6	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AV
		Dilution Factor: 1				
Sodium	245	82.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P811A0
		Dilution Factor: 1				
Nickel	14.4	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2P811AW
		Dilution Factor: 1				
Lead	6.4	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2P811A3
		Dilution Factor: 1				
Antimony	0.74	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2P811A4
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2P811AC
		Dilution Factor: 1				
Thallium	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2P811AE
		Dilution Factor: 1				
Vanadium	ND	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2P811A1
		Dilution Factor: 1				
Zinc	6.4	0.82	mg/kg	SW846 6020	07/16-07/18/07	J2P811AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-634

General Chemistry

Lot-Sample #...: A7G120192-017    Work Order #...: J2P81    Matrix.....: SO  
Date Sampled...: 07/10/07 11:05    Date Received..: 07/11/07  
% Moisture.....: 2.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	97.6	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-635

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-018    Work Order #...: J2P851AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 11:10    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 7.0    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	65	( 24 - 112 )
2-Fluorobiphenyl	77	( 34 - 110 )
Terphenyl-d14	93	( 41 - 119 )
Phenol-d5	76	( 28 - 110 )
2-Fluorophenol	81	( 26 - 110 )
2,4,6-Tribromophenol	56	( 10 - 118 )

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-635

TOTAL Metals

Lot-Sample #...: A7G120192-018

Matrix.....: SO

Date Sampled...: 07/10/07 11:10 Date Received...: 07/11/07

% Moisture.....: 7.0

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197050					
Silver	1.2	0.086	mg/kg	SW846 6020	07/16-07/18/07	J2P851AD
		Dilution Factor: 1				
Aluminum	4660	17.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AK
		Dilution Factor: 1				
Arsenic	0.98	0.086	mg/kg	SW846 6020	07/16-07/18/07	J2P851AA
		Dilution Factor: 1				
Barium	25.7	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AM
		Dilution Factor: 1				
Calcium	ND	430	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AP
		Dilution Factor: 1				
Cadmium	1.4	0.086	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AN
		Dilution Factor: 1				
Cobalt	1.8	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AQ
		Dilution Factor: 1				
Chromium	6.9	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P851A2
		Dilution Factor: 1				
Copper	2.1	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AR
		Dilution Factor: 1				
Iron	4840	8.6	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AT
		Dilution Factor: 1				
Mercury	ND	0.043	mg/kg	SW846 7471A	07/16/07	J2P851AJ
		Dilution Factor: 1				
Potassium	ND	430	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AX
		Dilution Factor: 1				
Magnesium	468	86.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-635

TOTAL Metals

Lot-Sample #...: A7G120192-018

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	39.0	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AV
		Dilution Factor: 1				
Sodium	809	86.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P851A0
		Dilution Factor: 1				
Nickel	8.0	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P851AW
		Dilution Factor: 1				
Lead	4.1	0.26	mg/kg	SW846 6010B	07/16-07/17/07	J2P851A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P851A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P851AC
		Dilution Factor: 1				
Thallium	ND	0.086	mg/kg	SW846 6020	07/16-07/18/07	J2P851AE
		Dilution Factor: 1				
Vanadium	7.8	0.86	mg/kg	SW846 6010B	07/16-07/17/07	J2P851A1
		Dilution Factor: 1				
Zinc	29.9	0.86	mg/kg	SW846 6020	07/16-07/18/07	J2P851AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-635

General Chemistry

Lot-Sample #...: A7G120192-018    Work Order #...: J2P85    Matrix.....: SO  
Date Sampled...: 07/10/07 11:10    Date Received..: 07/11/07  
% Moisture.....: 7.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	93.0	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-636

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-019    Work Order #...: J2P871AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 11:15    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 6.0    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	64	(24 - 112)
2-Fluorobiphenyl	69	(34 - 110)
Terphenyl-d14	93	(41 - 119)
Phenol-d5	72	(28 - 110)
2-Fluorophenol	77	(26 - 110)
2,4,6-Tribromophenol	57	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-636

TOTAL Metals

Lot-Sample #...: A7G120192-019

Matrix.....: SO

Date Sampled...: 07/10/07 11:15 Date Received...: 07/11/07

% Moisture.....: 6.0

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197050					
Silver	0.093	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P871AD
		Dilution Factor: 1				
Aluminum	2930	17.0	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AK
		Dilution Factor: 1				
Arsenic	1.0	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P871AA
		Dilution Factor: 1				
Barium	6.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AM
		Dilution Factor: 1				
Calcium	ND	425	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AP
		Dilution Factor: 1				
Cadmium	0.67	0.085	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AN
		Dilution Factor: 1				
Cobalt	2.6	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AQ
		Dilution Factor: 1				
Chromium	6.6	0.43	mg/kg	SW846 6010B	07/16-07/17/07	J2P871A2
		Dilution Factor: 1				
Copper	3.5	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AR
		Dilution Factor: 1				
Iron	8000	8.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AT
		Dilution Factor: 1				
Mercury	ND	0.043	mg/kg	SW846 7471A	07/16/07	J2P871AJ
		Dilution Factor: 1				
Potassium	ND	425	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AX
		Dilution Factor: 1				
Magnesium	1160	85.1	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-636

TOTAL Metals

Lot-Sample #...: A7G120192-019

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	51.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AV
		Dilution Factor: 1				
Sodium	359	85.1	mg/kg	SW846 6010B	07/16-07/17/07	J2P871A0
		Dilution Factor: 1				
Nickel	3.9	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P871AW
		Dilution Factor: 1				
Lead	2.5	0.26	mg/kg	SW846 6010B	07/16-07/17/07	J2P871A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P871A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P871AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P871AE
		Dilution Factor: 1				
Vanadium	16.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P871A1
		Dilution Factor: 1				
Zinc	5.0	0.85	mg/kg	SW846 6020	07/16-07/18/07	J2P871AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-636

General Chemistry

Lot-Sample #...: A7G120192-019    Work Order #...: J2P87    Matrix.....: SO  
Date Sampled...: 07/10/07 11:15    Date Received..: 07/11/07  
% Moisture.....: 6.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-637

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-020    Work Order #...: J2P881AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 11:20    Date Received...: 07/11/07  
 Prep Date.....: 07/12/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1  
 % Moisture.....: 4.6    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	40	(24 - 112)
2-Fluorobiphenyl	47	(34 - 110)
Terphenyl-d14	80	(41 - 119)
Phenol-d5	47	(28 - 110)
2-Fluorophenol	45	(26 - 110)
2,4,6-Tribromophenol	48	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-637

TOTAL Metals

Lot-Sample #...: A7G120192-020

Matrix.....: SO

Date Sampled...: 07/10/07 11:20 Date Received...: 07/11/07

% Moisture.....: 4.6

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197050						
Silver	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P881AD
		Dilution Factor: 1				
Aluminum	2100	16.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AK
		Dilution Factor: 1				
Arsenic	1.4	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P881AA
		Dilution Factor: 1				
Barium	5.9	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AM
		Dilution Factor: 1				
Calcium	ND	419	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AP
		Dilution Factor: 1				
Cadmium	0.12	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AN
		Dilution Factor: 1				
Cobalt	1.8	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AQ
		Dilution Factor: 1				
Chromium	8.0 E	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P881A2
		Dilution Factor: 1				
Copper	3.4	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AR
		Dilution Factor: 1				
Iron	4330	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2P881AJ
		Dilution Factor: 1				
Potassium	ND	419	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AX
		Dilution Factor: 1				
Magnesium	633	83.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AU
		Dilution Factor: 1				

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-637

TOTAL Metals

Lot-Sample #...: A7G120192-020

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	33.6	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AV
		Dilution Factor: 1				
Sodium	383	83.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P881A0
		Dilution Factor: 1				
Nickel	4.4 E	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P881AW
		Dilution Factor: 1				
Lead	1.7	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2P881A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P881A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P881AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P881AE
		Dilution Factor: 1				
Vanadium	7.8	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P881A1
		Dilution Factor: 1				
Zinc	8.2	0.84	mg/kg	SW846 6020	07/16-07/18/07	J2P881AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

E Matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-637

General Chemistry

Lot-Sample #...: A7G120192-020    Work Order #...: J2P88    Matrix.....: SO  
Date Sampled...: 07/10/07 11:20    Date Received..: 07/11/07  
% Moisture.....: 4.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194447

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-638

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-021    Work Order #...: J2P891AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 12:20    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 4.9    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	64	(24 - 112)
2-Fluorobiphenyl	71	(34 - 110)
Terphenyl-d14	83	(41 - 119)
Phenol-d5	74	(28 - 110)
2-Fluorophenol	73	(26 - 110)
2,4,6-Tribromophenol	50	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-638

TOTAL Metals

Lot-Sample #...: A7G120192-021

Matrix.....: SO

Date Sampled...: 07/10/07 12:20 Date Received...: 07/11/07

% Moisture.....: 4.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197070					
Silver	0.17	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P891AD
		Dilution Factor: 1				
Aluminum	3150	16.8	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AK
		Dilution Factor: 1				
Arsenic	1.7	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P891AA
		Dilution Factor: 1				
Barium	49.7	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AM
		Dilution Factor: 1				
Calcium	2610	421	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AP
		Dilution Factor: 1				
Cadmium	0.96	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AN
		Dilution Factor: 1				
Cobalt	3.7	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AQ
		Dilution Factor: 1				
Chromium	21.5	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P891A2
		Dilution Factor: 1				
Copper	57.5	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AR
		Dilution Factor: 1				
Iron	8190	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2P891AJ
		Dilution Factor: 1				
Potassium	ND	421	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AX
		Dilution Factor: 1				
Magnesium	1140	84.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-638

TOTAL Metals

Lot-Sample #...: A7G120192-021

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	165	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AV
		Dilution Factor: 1				
Sodium	280	84.2	mg/kg	SW846 6010B	07/16-07/17/07	J2P891A0
		Dilution Factor: 1				
Nickel	37.1	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P891AW
		Dilution Factor: 1				
Lead	65.8	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2P891A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P891A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P891AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P891AE
		Dilution Factor: 1				
Vanadium	7.5	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P891A1
		Dilution Factor: 1				
Zinc	73.0	0.84	mg/kg	SW846 6020	07/16-07/18/07	J2P891AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-638

General Chemistry

Lot-Sample #...: A7G120192-021    Work Order #...: J2P89    Matrix.....: SO  
Date Sampled...: 07/10/07 12:20    Date Received..: 07/11/07  
% Moisture.....: 4.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-639

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-022    Work Order #...: J2P921AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 12:25    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 4.3    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	52	(24 - 112)
2-Fluorobiphenyl	63	(34 - 110)
Terphenyl-d14	79	(41 - 119)
Phenol-d5	57	(28 - 110)
2-Fluorophenol	60	(26 - 110)
2,4,6-Tribromophenol	43	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-639

TOTAL Metals

Lot-Sample #...: A7G120192-022

Matrix.....: SO

Date Sampled...: 07/10/07 12:25 Date Received...: 07/11/07

% Moisture.....: 4.3

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #...:	7197070						
Silver	ND	0.084	mg/kg		SW846 6020	07/16-07/18/07	J2P921AD
		Dilution Factor: 1					
Aluminum	2460	16.7	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AK
		Dilution Factor: 1					
Arsenic	1.1	0.084	mg/kg		SW846 6020	07/16-07/18/07	J2P921AA
		Dilution Factor: 1					
Barium	22.0	0.84	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AL
		Dilution Factor: 1					
Beryllium	ND	0.17	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AM
		Dilution Factor: 1					
Calcium	1780	418	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AP
		Dilution Factor: 1					
Cadmium	0.11	0.084	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AN
		Dilution Factor: 1					
Cobalt	2.0	0.42	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AQ
		Dilution Factor: 1					
Chromium	7.0	0.42	mg/kg		SW846 6010B	07/16-07/17/07	J2P921A2
		Dilution Factor: 1					
Copper	11.7	0.84	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AR
		Dilution Factor: 1					
Iron	3810	8.4	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AT
		Dilution Factor: 1					
Mercury	ND	0.042	mg/kg		SW846 7471A	07/16/07	J2P921AJ
		Dilution Factor: 1					
Potassium	ND	418	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AX
		Dilution Factor: 1					
Magnesium	941	83.6	mg/kg		SW846 6010B	07/16-07/17/07	J2P921AU
		Dilution Factor: 1					

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-639

TOTAL Metals

Lot-Sample #...: A7G120192-022

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	81.0	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P921AV
		Dilution Factor: 1				
Sodium	195	83.6	mg/kg	SW846 6010B	07/16-07/17/07	J2P921A0
		Dilution Factor: 1				
Nickel	5.6	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P921AW
		Dilution Factor: 1				
Lead	12.3	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2P921A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P921A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P921AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P921AE
		Dilution Factor: 1				
Vanadium	5.9	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P921A1
		Dilution Factor: 1				
Zinc	25.4	0.84	mg/kg	SW846 6020	07/16-07/18/07	J2P921AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-639

General Chemistry

Lot-Sample #...: A7G120192-022    Work Order #...: J2P92    Matrix.....: SO  
Date Sampled...: 07/10/07 12:25    Date Received..: 07/11/07  
% Moisture.....: 4.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-640

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-023    Work Order #...: J2P931AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 12:30    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 5.4    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	50	(24 - 112)
2-Fluorobiphenyl	63	(34 - 110)
Terphenyl-d14	75	(41 - 119)
Phenol-d5	58	(28 - 110)
2-Fluorophenol	57	(26 - 110)
2,4,6-Tribromophenol	53	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-640

TOTAL Metals

Lot-Sample #...: A7G120192-023

Matrix.....: SO

Date Sampled...: 07/10/07 12:30 Date Received...: 07/11/07

% Moisture.....: 5.4

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197070					
Silver	0.10	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P931AD
		Dilution Factor: 1				
Aluminum	3250	16.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AK
		Dilution Factor: 1				
Arsenic	1.4	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P931AA
		Dilution Factor: 1				
Barium	25.8	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AM
		Dilution Factor: 1				
Calcium	3230	423	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AP
		Dilution Factor: 1				
Cadmium	0.17	0.085	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AN
		Dilution Factor: 1				
Cobalt	2.5	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AQ
		Dilution Factor: 1				
Chromium	9.2	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P931A2
		Dilution Factor: 1				
Copper	20.5	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AR
		Dilution Factor: 1				
Iron	5090	8.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2P931AJ
		Dilution Factor: 1				
Potassium	ND	423	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AX
		Dilution Factor: 1				
Magnesium	1340	84.6	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-640

TOTAL Metals

Lot-Sample #...: A7G120192-023

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	108	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AV
		Dilution Factor: 1				
Sodium	221	84.6	mg/kg	SW846 6010B	07/16-07/17/07	J2P931A0
		Dilution Factor: 1				
Nickel	10.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P931AW
		Dilution Factor: 1				
Lead	14.5	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2P931A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P931A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P931AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2P931AE
		Dilution Factor: 1				
Vanadium	8.0	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2P931A1
		Dilution Factor: 1				
Zinc	42.7	0.85	mg/kg	SW846 6020	07/16-07/18/07	J2P931AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-640

General Chemistry

Lot-Sample #...: A7G120192-023    Work Order #...: J2P93    Matrix.....: SO  
Date Sampled...: 07/10/07 12:30    Date Received..: 07/11/07  
% Moisture.....: 5.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.6	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-641

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-024    Work Order #...: J2P971AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 12:35    Date Received..: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date..: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 5.3    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	53	(24 - 112)
2-Fluorobiphenyl	62	(34 - 110)
Terphenyl-d14	75	(41 - 119)
Phenol-d5	62	(28 - 110)
2-Fluorophenol	64	(26 - 110)
2,4,6-Tribromophenol	32	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-641

TOTAL Metals

Lot-Sample #...: A7G120192-024

Matrix.....: SO

Date Sampled...: 07/10/07 12:35 Date Received...: 07/11/07

% Moisture.....: 5.3

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197070						
Silver	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P971AD
		Dilution Factor: 1				
Aluminum	3520	16.9	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AK
		Dilution Factor: 1				
Arsenic	1.0	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P971AA
		Dilution Factor: 1				
Barium	18.0	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AM
		Dilution Factor: 1				
Calcium	1710	422	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AP
		Dilution Factor: 1				
Cadmium	ND	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AN
		Dilution Factor: 1				
Cobalt	3.0	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AQ
		Dilution Factor: 1				
Chromium	11.4	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2P971A2
		Dilution Factor: 1				
Copper	6.0	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AR
		Dilution Factor: 1				
Iron	5760	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2P971AJ
		Dilution Factor: 1				
Potassium	ND	422	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AX
		Dilution Factor: 1				
Magnesium	1690	84.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P971AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-641

TOTAL Metals

Lot-Sample #...: A7G120192-024

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>94.9</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2P971AV</b>
		Dilution Factor: 1				
Sodium	ND	84.5	mg/kg	SW846 6010B	07/16-07/17/07	J2P971A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>7.6</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2P971AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>5.7</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2P971A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P971A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2P971AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2P971AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>8.5</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2P971A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>20.8</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2P971AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-641

General Chemistry

Lot-Sample #...: A7G120192-024    Work Order #...: J2P97    Matrix.....: SO  
Date Sampled...: 07/10/07 12:35    Date Received..: 07/11/07  
% Moisture.....: 5.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.7	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-642

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-025    Work Order #...: J2QAC1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 12:40    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 5.4    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	52	(24 - 112)
2-Fluorobiphenyl	61	(34 - 110)
Terphenyl-d14	77	(41 - 119)
Phenol-d5	61	(28 - 110)
2-Fluorophenol	56	(26 - 110)
2,4,6-Tribromophenol	31	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-642

TOTAL Metals

Lot-Sample #...: A7G120192-025

Matrix.....: SO

Date Sampled...: 07/10/07 12:40 Date Received...: 07/11/07

% Moisture.....: 5.4

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197070						
Silver	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QAC1AD
		Dilution Factor: 1				
Aluminum	2760	16.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AK
		Dilution Factor: 1				
Arsenic	1.0	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QAC1AA
		Dilution Factor: 1				
Barium	18.5	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AM
		Dilution Factor: 1				
Calcium	1020	423	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AP
		Dilution Factor: 1				
Cadmium	ND	0.085	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AN
		Dilution Factor: 1				
Cobalt	2.0	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AQ
		Dilution Factor: 1				
Chromium	6.4	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1A2
		Dilution Factor: 1				
Copper	5.0	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AR
		Dilution Factor: 1				
Iron	3900	8.5	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QAC1AJ
		Dilution Factor: 1				
Potassium	ND	423	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AX
		Dilution Factor: 1				
Magnesium	788	84.6	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-642

TOTAL Metals

Lot-Sample #...: A7G120192-025

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	68.1	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AV
		Dilution Factor: 1				
Sodium	116	84.6	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1A0
		Dilution Factor: 1				
Nickel	4.6	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1AW
		Dilution Factor: 1				
Lead	5.4	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAC1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAC1AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QAC1AE
		Dilution Factor: 1				
Vanadium	6.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAC1A1
		Dilution Factor: 1				
Zinc	13.0	0.85	mg/kg	SW846 6020	07/16-07/18/07	J2QAC1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-642

General Chemistry

Lot-Sample #...: A7G120192-025    Work Order #...: J2QAC    Matrix.....: SO  
Date Sampled...: 07/10/07 12:40    Date Received..: 07/11/07  
% Moisture.....: 5.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.6	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-643

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-026    Work Order #...: J2QAD1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 12:41    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 5.6    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	62	(24 - 112)
2-Fluorobiphenyl	68	(34 - 110)
Terphenyl-d14	90	(41 - 119)
Phenol-d5	65	(28 - 110)
2-Fluorophenol	68	(26 - 110)
2,4,6-Tribromophenol	54	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-643

TOTAL Metals

Lot-Sample #...: A7G120192-026

Matrix.....: SO

Date Sampled...: 07/10/07 12:41 Date Received...: 07/11/07

% Moisture.....: 5.6

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QAD1AD
		Dilution Factor: 1				
Aluminum	2200	16.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AK
		Dilution Factor: 1				
Arsenic	0.76	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QAD1AA
		Dilution Factor: 1				
Barium	9.6	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AM
		Dilution Factor: 1				
Calcium	546	424	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AP
		Dilution Factor: 1				
Cadmium	ND	0.085	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AN
		Dilution Factor: 1				
Cobalt	1.9	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AQ
		Dilution Factor: 1				
Chromium	5.2	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1A2
		Dilution Factor: 1				
Copper	4.2	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AR
		Dilution Factor: 1				
Iron	3770	8.5	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QAD1AJ
		Dilution Factor: 1				
Potassium	ND	424	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AX
		Dilution Factor: 1				
Magnesium	629	84.7	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-643

TOTAL Metals

Lot-Sample #...: A7G120192-026

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	41.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AV
		Dilution Factor: 1				
Sodium	115	84.7	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1A0
		Dilution Factor: 1				
Nickel	4.0	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1AW
		Dilution Factor: 1				
Lead	3.9	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAD1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAD1AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QAD1AE
		Dilution Factor: 1				
Vanadium	6.7	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QAD1A1
		Dilution Factor: 1				
Zinc	10.5	0.85	mg/kg	SW846 6020	07/16-07/18/07	J2QAD1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-643

General Chemistry

Lot-Sample #...: A7G120192-026    Work Order #...: J2QAD    Matrix.....: SO  
Date Sampled...: 07/10/07 12:41    Date Received..: 07/11/07  
% Moisture.....: 5.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-644

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-027    Work Order #...: J2QAE1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 13:00    Date Received..: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date..: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 4.1    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	46	(24 - 112)
2-Fluorobiphenyl	56	(34 - 110)
Terphenyl-d14	78	(41 - 119)
Phenol-d5	56	(28 - 110)
2-Fluorophenol	56	(26 - 110)
2,4,6-Tribromophenol	55	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-644

TOTAL Metals

Lot-Sample #...: A7G120192-027

Matrix.....: SO

Date Sampled...: 07/10/07 13:00 Date Received...: 07/11/07

% Moisture.....: 4.1

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAE1AD
		Dilution Factor: 1				
Aluminum	3060	16.7	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AK
		Dilution Factor: 1				
Arsenic	1.4	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAE1AA
		Dilution Factor: 1				
Barium	19.7	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AM
		Dilution Factor: 1				
Calcium	7750	417	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AN
		Dilution Factor: 1				
Cobalt	2.4	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AQ
		Dilution Factor: 1				
Chromium	5.8	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1A2
		Dilution Factor: 1				
Copper	5.4	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AR
		Dilution Factor: 1				
Iron	5270	8.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QAE1AJ
		Dilution Factor: 1				
Potassium	ND	417	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AX
		Dilution Factor: 1				
Magnesium	3550	83.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-644

TOTAL Metals

Lot-Sample #...: A7G120192-027

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>141</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAE1AV</b>
		Dilution Factor: 1				
Sodium	ND	83.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QAE1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>5.6</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAE1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>9.0</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAE1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAE1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAE1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAE1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>7.6</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAE1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>14.8</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QAE1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-644

General Chemistry

Lot-Sample #...: A7G120192-027    Work Order #...: J2QAE    Matrix.....: SO  
Date Sampled...: 07/10/07 13:00    Date Received..: 07/11/07  
% Moisture.....: 4.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.9	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-645

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-028    Work Order #...: J2QAK1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 13:03    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 3.9    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
<b>Fluoranthene</b>	<b>330</b>	<b>270</b>	<b>ug/kg</b>
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	59	(24 - 112)
2-Fluorobiphenyl	68	(34 - 110)
Terphenyl-d14	71	(41 - 119)
Phenol-d5	64	(28 - 110)
2-Fluorophenol	64	(26 - 110)
2,4,6-Tribromophenol	55	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-645

TOTAL Metals

Lot-Sample #...: A7G120192-028

Matrix.....: SO

Date Sampled...: 07/10/07 13:03 Date Received...: 07/11/07

% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAK1AD
		Dilution Factor: 1				
Aluminum	1850	16.7	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AK
		Dilution Factor: 1				
Arsenic	1.2	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAK1AA
		Dilution Factor: 1				
Barium	42.6	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AM
		Dilution Factor: 1				
Calcium	8620	416	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AN
		Dilution Factor: 1				
Cobalt	2.0	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AQ
		Dilution Factor: 1				
Chromium	6.6	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1A2
		Dilution Factor: 1				
Copper	10.9	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AR
		Dilution Factor: 1				
Iron	3760	8.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QAK1AJ
		Dilution Factor: 1				
Potassium	ND	416	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AX
		Dilution Factor: 1				
Magnesium	3050	83.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-645

TOTAL Metals

Lot-Sample #...: A7G120192-028

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	95.0	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AV
		Dilution Factor: 1				
Sodium	ND	83.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1A0
		Dilution Factor: 1				
Nickel	7.8	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1AW
		Dilution Factor: 1				
Lead	9.3	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAK1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAK1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAK1AE
		Dilution Factor: 1				
Vanadium	5.2	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAK1A1
		Dilution Factor: 1				
Zinc	16.7	0.83	mg/kg	SW846 6020	07/16-07/18/07	J2QAK1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-645

General Chemistry

Lot-Sample #...: A7G120192-028    Work Order #...: J2QAK    Matrix.....: SO  
Date Sampled...: 07/10/07 13:03    Date Received..: 07/11/07  
% Moisture.....: 3.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-646

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-029    Work Order #...: J2QAL1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 13:06    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 2.9    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	52	(24 - 112)
2-Fluorobiphenyl	59	(34 - 110)
Terphenyl-d14	77	(41 - 119)
Phenol-d5	59	(28 - 110)
2-Fluorophenol	61	(26 - 110)
2,4,6-Tribromophenol	49	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-646

TOTAL Metals

Lot-Sample #...: A7G120192-029

Matrix.....: SO

Date Sampled...: 07/10/07 13:06 Date Received...: 07/11/07

% Moisture.....: 2.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QAL1AD
		Dilution Factor: 1				
Aluminum	1550	16.5	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AK
		Dilution Factor: 1				
Arsenic	1.1	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QAL1AA
		Dilution Factor: 1				
Barium	7.9	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AL
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AM
		Dilution Factor: 1				
Calcium	7700	412	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AP
		Dilution Factor: 1				
Cadmium	ND	0.082	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AN
		Dilution Factor: 1				
Cobalt	1.5	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AQ
		Dilution Factor: 1				
Chromium	3.8	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1A2
		Dilution Factor: 1				
Copper	3.3	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AR
		Dilution Factor: 1				
Iron	3160	8.2	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2QAL1AJ
		Dilution Factor: 1				
Potassium	ND	412	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AX
		Dilution Factor: 1				
Magnesium	2510	82.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-646

TOTAL Metals

Lot-Sample #...: A7G120192-029

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	75.3	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AV
		Dilution Factor: 1				
Sodium	ND	82.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1A0
		Dilution Factor: 1				
Nickel	4.0	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1AW
		Dilution Factor: 1				
Lead	3.8	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1A3
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QAL1A4
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QAL1AC
		Dilution Factor: 1				
Thallium	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QAL1AE
		Dilution Factor: 1				
Vanadium	5.3	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAL1A1
		Dilution Factor: 1				
Zinc	14.3	0.82	mg/kg	SW846 6020	07/16-07/18/07	J2QAL1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-646

General Chemistry

Lot-Sample #...: A7G120192-029    Work Order #...: J2QAL    Matrix.....: SO  
Date Sampled...: 07/10/07 13:06    Date Received..: 07/11/07  
% Moisture.....: 2.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	97.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-647

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-030    Work Order #...: J2QAN1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 13:12    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 3.9    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
<b>Fluoranthene</b>	<b>310</b>	<b>270</b>	<b>ug/kg</b>
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	41	(24 - 112)
2-Fluorobiphenyl	51	(34 - 110)
Terphenyl-d14	73	(41 - 119)
Phenol-d5	49	(28 - 110)
2-Fluorophenol	52	(26 - 110)
2,4,6-Tribromophenol	46	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-647

TOTAL Metals

Lot-Sample #...: A7G120192-030

Matrix.....: SO

Date Sampled...: 07/10/07 13:12 Date Received...: 07/11/07

% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAN1AD
		Dilution Factor: 1				
Aluminum	1450	16.7	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AK
		Dilution Factor: 1				
Arsenic	0.87	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAN1AA
		Dilution Factor: 1				
Barium	7.8	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AM
		Dilution Factor: 1				
Calcium	7150	416	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AN
		Dilution Factor: 1				
Cobalt	1.4	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AQ
		Dilution Factor: 1				
Chromium	3.0	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1A2
		Dilution Factor: 1				
Copper	3.6	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AR
		Dilution Factor: 1				
Iron	2950	8.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QAN1AJ
		Dilution Factor: 1				
Potassium	ND	416	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AX
		Dilution Factor: 1				
Magnesium	2030	83.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-647

TOTAL Metals

Lot-Sample #...: A7G120192-030

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>76.9</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAN1AV</b>
		Dilution Factor: 1				
Sodium	ND	83.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAN1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>3.2</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAN1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>2.8</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAN1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAN1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAN1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAN1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>4.8</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAN1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>10.7</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QAN1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-647

General Chemistry

Lot-Sample #...: A7G120192-030    Work Order #...: J2QAN    Matrix.....: SO  
Date Sampled...: 07/10/07 13:12    Date Received..: 07/11/07  
% Moisture.....: 3.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-648

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-031    Work Order #...: J2QAP1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 13:12    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 4  
 % Moisture.....: 3.5    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	1100	ug/kg
Acenaphthylene	ND	1100	ug/kg
Anthracene	ND	1100	ug/kg
Benzo(a)anthracene	ND	1100	ug/kg
Benzo(a)pyrene	ND	1100	ug/kg
Benzo(b)fluoranthene	ND	1100	ug/kg
Benzo(ghi)perylene	ND	1100	ug/kg
Benzo(k)fluoranthene	ND	1100	ug/kg
Chrysene	ND	1100	ug/kg
Dibenz(a,h)anthracene	ND	1100	ug/kg
Fluoranthene	ND	1100	ug/kg
Fluorene	ND	1100	ug/kg
Indeno(1,2,3-cd)pyrene	ND	1100	ug/kg
2-Methylnaphthalene	ND	1100	ug/kg
Naphthalene	ND	1100	ug/kg
Phenanthrene	ND	1100	ug/kg
Pyrene	ND	1100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	56 DIL	(24 - 112)
2-Fluorobiphenyl	74 DIL	(34 - 110)
Terphenyl-d14	84 DIL	(41 - 119)
Phenol-d5	68 DIL	(28 - 110)
2-Fluorophenol	65 DIL	(26 - 110)
2,4,6-Tribromophenol	47 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
 Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-648

TOTAL Metals

Lot-Sample #...: A7G120192-031

Matrix.....: SO

Date Sampled...: 07/10/07 13:12 Date Received...: 07/11/07

% Moisture.....: 3.5

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...:	7197070					
Silver	0.11	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAP1AD
		Dilution Factor: 1				
Aluminum	1720	16.6	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AK
		Dilution Factor: 1				
Arsenic	1.6	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAP1AA
		Dilution Factor: 1				
Barium	8.9	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AM
		Dilution Factor: 1				
Calcium	6190	415	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AN
		Dilution Factor: 1				
Cobalt	1.7	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AQ
		Dilution Factor: 1				
Chromium	6.1	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1A2
		Dilution Factor: 1				
Copper	6.9	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AR
		Dilution Factor: 1				
Iron	3610	8.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2QAP1AJ
		Dilution Factor: 1				
Potassium	ND	415	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AX
		Dilution Factor: 1				
Magnesium	1950	82.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-648

TOTAL Metals

Lot-Sample #...: A7G120192-031

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>82.6</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAP1AV</b>
		Dilution Factor: 1				
Sodium	ND	82.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QAP1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>11.2</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAP1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>4.8</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAP1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAP1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAP1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAP1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>4.9</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAP1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>20.4</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QAP1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-648

General Chemistry

Lot-Sample #...: A7G120192-031    Work Order #...: J2QAP    Matrix.....: SO  
Date Sampled...: 07/10/07 13:12    Date Received..: 07/11/07  
% Moisture.....: 3.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.5	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-649

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-032    Work Order #...: J2QAT1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 13:13    Date Received..: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date..: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 3.9    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	45	(24 - 112)
2-Fluorobiphenyl	64	(34 - 110)
Terphenyl-d14	73	(41 - 119)
Phenol-d5	55	(28 - 110)
2-Fluorophenol	52	(26 - 110)
2,4,6-Tribromophenol	44	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-649

TOTAL Metals

Lot-Sample #...: A7G120192-032

Matrix.....: SO

Date Sampled...: 07/10/07 13:13 Date Received...: 07/11/07

% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAT1AD
		Dilution Factor: 1				
Aluminum	1630	16.7	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AK
		Dilution Factor: 1				
Arsenic	0.92	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAT1AA
		Dilution Factor: 1				
Barium	8.2	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AM
		Dilution Factor: 1				
Calcium	9560	416	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AN
		Dilution Factor: 1				
Cobalt	1.6	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AQ
		Dilution Factor: 1				
Chromium	4.8	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1A2
		Dilution Factor: 1				
Copper	7.0	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AR
		Dilution Factor: 1				
Iron	3380	8.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QAT1AJ
		Dilution Factor: 1				
Potassium	ND	416	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AX
		Dilution Factor: 1				
Magnesium	3010	83.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-649

TOTAL Metals

Lot-Sample #...: A7G120192-032

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>76.8</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAT1AV</b>
		Dilution Factor: 1				
Sodium	ND	83.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAT1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>10.9</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAT1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>4.4</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAT1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAT1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QAT1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QAT1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>4.9</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAT1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>9.5</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QAT1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-649

General Chemistry

Lot-Sample #...: A7G120192-032    Work Order #...: J2QAT    Matrix.....: SO  
Date Sampled...: 07/10/07 13:13    Date Received..: 07/11/07  
% Moisture.....: 3.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-650

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-033    Work Order #...: J2QAV1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 14:20    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 2.0    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	52	(24 - 112)
2-Fluorobiphenyl	61	(34 - 110)
Terphenyl-d14	76	(41 - 119)
Phenol-d5	57	(28 - 110)
2-Fluorophenol	58	(26 - 110)
2,4,6-Tribromophenol	22	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-650

TOTAL Metals

Lot-Sample #...: A7G120192-033

Matrix.....: SO

Date Sampled...: 07/10/07 14:20 Date Received...: 07/11/07

% Moisture.....: 2.0

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QAV1AD
		Dilution Factor: 1				
Aluminum	1590	16.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AK
		Dilution Factor: 1				
Arsenic	1.3	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QAV1AA
		Dilution Factor: 1				
Barium	11.8	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AL
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AM
		Dilution Factor: 1				
Calcium	22400	408	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AP
		Dilution Factor: 1				
Cadmium	ND	0.082	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AN
		Dilution Factor: 1				
Cobalt	3.4	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AQ
		Dilution Factor: 1				
Chromium	4.3	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1A2
		Dilution Factor: 1				
Copper	6.5	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AR
		Dilution Factor: 1				
Iron	4220	8.2	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2QAV1AJ
		Dilution Factor: 1				
Potassium	ND	408	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AX
		Dilution Factor: 1				
Magnesium	6230	81.6	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-650

TOTAL Metals

Lot-Sample #...: A7G120192-033

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>122</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAV1AV</b>
		Dilution Factor: 1				
Sodium	ND	81.6	mg/kg	SW846 6010B	07/16-07/17/07	J2QAV1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>4.4</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAV1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>6.6</b>	<b>0.24</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAV1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QAV1A4
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QAV1AC
		Dilution Factor: 1				
Thallium	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QAV1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>5.3</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QAV1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>13.0</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QAV1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-650

General Chemistry

Lot-Sample #...: A7G120192-033    Work Order #...: J2QAV    Matrix.....: SO  
Date Sampled...: 07/10/07 14:20    Date Received..: 07/11/07  
% Moisture.....: 2.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	98.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-651

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-034    Work Order #...: J2QA01AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 14:22    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 2.6    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	48	(24 - 112)
2-Fluorobiphenyl	59	(34 - 110)
Terphenyl-d14	74	(41 - 119)
Phenol-d5	55	(28 - 110)
2-Fluorophenol	57	(26 - 110)
2,4,6-Tribromophenol	41	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-651

TOTAL Metals

Lot-Sample #...: A7G120192-034

Matrix.....: SO

Date Sampled...: 07/10/07 14:22 Date Received...: 07/11/07

% Moisture.....: 2.6

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197070						
Silver	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QA01AD
		Dilution Factor: 1				
Aluminum	1930	16.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AK
		Dilution Factor: 1				
Arsenic	1.6	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QA01AA
		Dilution Factor: 1				
Barium	13.1	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AL
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AM
		Dilution Factor: 1				
Calcium	24400	411	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AP
		Dilution Factor: 1				
Cadmium	ND	0.082	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AN
		Dilution Factor: 1				
Cobalt	2.7	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AQ
		Dilution Factor: 1				
Chromium	4.8	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01A2
		Dilution Factor: 1				
Copper	6.9	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AR
		Dilution Factor: 1				
Iron	4260	8.2	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2QA01AJ
		Dilution Factor: 1				
Potassium	ND	411	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AX
		Dilution Factor: 1				
Magnesium	8490	82.1	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-651

TOTAL Metals

Lot-Sample #...: A7G120192-034

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>128</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QA01AV</b>
		Dilution Factor: 1				
Sodium	ND	82.1	mg/kg	SW846 6010B	07/16-07/17/07	J2QA01A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>4.6</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QA01AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>6.2</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QA01A3</b>
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QA01A4
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QA01AC
		Dilution Factor: 1				
Thallium	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QA01AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>6.2</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QA01A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>12.4</b>	<b>0.82</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QA01AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-651

General Chemistry

Lot-Sample #...: A7G120192-034    Work Order #...: J2QA0    Matrix.....: SO  
Date Sampled...: 07/10/07 14:22    Date Received..: 07/11/07  
% Moisture.....: 2.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	97.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-652

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-035    Work Order #...: J2QA31AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 14:25    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 2.8    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	53	(24 - 112)
2-Fluorobiphenyl	62	(34 - 110)
Terphenyl-d14	76	(41 - 119)
Phenol-d5	57	(28 - 110)
2-Fluorophenol	62	(26 - 110)
2,4,6-Tribromophenol	39	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-652

TOTAL Metals

Lot-Sample #...: A7G120192-035

Matrix.....: SO

Date Sampled...: 07/10/07 14:25 Date Received...: 07/11/07

% Moisture.....: 2.8

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QA31AD
		Dilution Factor: 1				
Aluminum	1460	16.5	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AK
		Dilution Factor: 1				
Arsenic	1.2	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QA31AA
		Dilution Factor: 1				
Barium	7.8	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AL
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AM
		Dilution Factor: 1				
Calcium	23100	412	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AP
		Dilution Factor: 1				
Cadmium	ND	0.082	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AN
		Dilution Factor: 1				
Cobalt	2.2	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AQ
		Dilution Factor: 1				
Chromium	3.7	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31A2
		Dilution Factor: 1				
Copper	5.1	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AR
		Dilution Factor: 1				
Iron	3620	8.2	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2QA31AJ
		Dilution Factor: 1				
Potassium	ND	412	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AX
		Dilution Factor: 1				
Magnesium	10700	82.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-652

TOTAL Metals

Lot-Sample #...: A7G120192-035

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	182	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AV
		Dilution Factor: 1				
Sodium	ND	82.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31A0
		Dilution Factor: 1				
Nickel	3.9	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31AW
		Dilution Factor: 1				
Lead	5.9	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31A3
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QA31A4
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2QA31AC
		Dilution Factor: 1				
Thallium	ND	0.082	mg/kg	SW846 6020	07/16-07/18/07	J2QA31AE
		Dilution Factor: 1				
Vanadium	5.6	0.82	mg/kg	SW846 6010B	07/16-07/17/07	J2QA31A1
		Dilution Factor: 1				
Zinc	13.8	0.82	mg/kg	SW846 6020	07/16-07/18/07	J2QA31AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-652

General Chemistry

Lot-Sample #...: A7G120192-035    Work Order #...: J2QA3    Matrix.....: SO  
Date Sampled...: 07/10/07 14:25    Date Received..: 07/11/07  
% Moisture.....: 2.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	97.2	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-653

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-036    Work Order #...: J2QA51AU    Matrix.....: SO  
 Date Sampled...: 07/10/07 14:29    Date Received..: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date..: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 4  
 % Moisture.....: 5.7    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	1100	ug/kg
Acenaphthylene	ND	1100	ug/kg
Anthracene	ND	1100	ug/kg
Benzo(a)anthracene	ND	1100	ug/kg
Benzo(a)pyrene	ND	1100	ug/kg
Benzo(b)fluoranthene	ND	1100	ug/kg
Benzo(ghi)perylene	ND	1100	ug/kg
Benzo(k)fluoranthene	ND	1100	ug/kg
Chrysene	ND	1100	ug/kg
Dibenz(a,h)anthracene	ND	1100	ug/kg
Fluoranthene	ND	1100	ug/kg
Fluorene	ND	1100	ug/kg
Indeno(1,2,3-cd)pyrene	ND	1100	ug/kg
2-Methylnaphthalene	ND	1100	ug/kg
Naphthalene	ND	1100	ug/kg
Phenanthrene	ND	1100	ug/kg
Pyrene	ND	1100	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	70 DIL	(24 - 112)
2-Fluorobiphenyl	80 DIL	(34 - 110)
Terphenyl-d14	85 DIL	(41 - 119)
Phenol-d5	67 DIL	(28 - 110)
2-Fluorophenol	62 DIL	(26 - 110)
2,4,6-Tribromophenol	55 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
 Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-653

TOTAL Metals

Lot-Sample #...: A7G120192-036

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

% Moisture.....: 5.7

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197070						
Silver	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QA51AH
		Dilution Factor: 1				
Aluminum	1770	17.0	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51A2
		Dilution Factor: 1				
Arsenic	2.3	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QA51AA
		Dilution Factor: 1				
Barium	9.2	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51A5
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51A8
		Dilution Factor: 1				
Calcium	32500	424	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CF
		Dilution Factor: 1				
Cadmium	ND	0.085	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CC
		Dilution Factor: 1				
Cobalt	2.2	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CJ
		Dilution Factor: 1				
Chromium	4.5	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51DF
		Dilution Factor: 1				
Copper	6.5	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CM
		Dilution Factor: 1				
Iron	4790	8.5	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CQ
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QA51AX
		Dilution Factor: 1				
Potassium	ND	424	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51C5
		Dilution Factor: 1				
Magnesium	10900	84.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-653

TOTAL Metals

Lot-Sample #...: A7G120192-036

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	159	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51CX
		Dilution Factor: 1				
Sodium	99.1	84.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51C8
		Dilution Factor: 1				
Nickel	5.5	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51C2
		Dilution Factor: 1				
Lead	5.5	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51DJ
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QA51DM
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QA51AE
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/16-07/18/07	J2QA51AL
		Dilution Factor: 1				
Vanadium	6.1	0.85	mg/kg	SW846 6010B	07/16-07/17/07	J2QA51DC
		Dilution Factor: 1				
Zinc	21.4	0.85	mg/kg	SW846 6020	07/16-07/18/07	J2QA51AP
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-653

General Chemistry

Lot-Sample #...: A7G120192-036    Work Order #...: J2QA5    Matrix.....: SO  
Date Sampled...: 07/10/07 14:29    Date Received..: 07/11/07  
% Moisture.....: 5.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.3	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-654

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-037    Work Order #...: J2QCD1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 14:32    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 4.5    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	31	( 24 - 112)
2-Fluorobiphenyl	44	( 34 - 110)
Terphenyl-d14	58	( 41 - 119)
Phenol-d5	35	( 28 - 110)
2-Fluorophenol	33	( 26 - 110)
2,4,6-Tribromophenol	27	( 10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-654

TOTAL Metals

Lot-Sample #...: A7G120192-037

Matrix.....: SO

Date Sampled...: 07/10/07 14:32 Date Received...: 07/11/07

% Moisture.....: 4.5

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #...: 7197070						
Silver	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCD1AD
		Dilution Factor: 1				
Aluminum	2900	16.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AK
		Dilution Factor: 1				
Arsenic	1.5	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCD1AA
		Dilution Factor: 1				
Barium	26.0	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AM
		Dilution Factor: 1				
Calcium	6500	419	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AP
		Dilution Factor: 1				
Cadmium	0.12	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AN
		Dilution Factor: 1				
Cobalt	2.5	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AQ
		Dilution Factor: 1				
Chromium	6.4	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1A2
		Dilution Factor: 1				
Copper	10.5	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AR
		Dilution Factor: 1				
Iron	4460	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QCD1AJ
		Dilution Factor: 1				
Potassium	ND	419	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AX
		Dilution Factor: 1				
Magnesium	2570	83.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-654

TOTAL Metals

Lot-Sample #...: A7G120192-037

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>121</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCD1AV</b>
		Dilution Factor: 1				
Sodium	ND	83.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCD1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>5.9</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCD1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>17.5</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCD1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCD1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCD1AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCD1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>6.8</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCD1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>20.7</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QCD1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-654

General Chemistry

Lot-Sample #...: A7G120192-037    Work Order #...: J2QCD    Matrix.....: SO  
Date Sampled...: 07/10/07 14:32    Date Received..: 07/11/07  
% Moisture.....: 4.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.5	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-655

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-038    Work Order #...: J2QCK1AC    Matrix.....: SO  
 Date Sampled...: 07/10/07 14:33    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/23/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 5  
 % Moisture.....: 4.6    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	1400	ug/kg
Acenaphthylene	ND	1400	ug/kg
Anthracene	ND	1400	ug/kg
Benzo(a)anthracene	ND	1400	ug/kg
Benzo(a)pyrene	ND	1400	ug/kg
Benzo(b)fluoranthene	ND	1400	ug/kg
Benzo(ghi)perylene	ND	1400	ug/kg
Benzo(k)fluoranthene	ND	1400	ug/kg
Chrysene	ND	1400	ug/kg
Dibenz(a,h)anthracene	ND	1400	ug/kg
Fluoranthene	ND	1400	ug/kg
Fluorene	ND	1400	ug/kg
Indeno(1,2,3-cd)pyrene	ND	1400	ug/kg
2-Methylnaphthalene	ND	1400	ug/kg
Naphthalene	ND	1400	ug/kg
Phenanthrene	ND	1400	ug/kg
Pyrene	ND	1400	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	62 DIL	(24 - 112)
2-Fluorobiphenyl	66 DIL	(34 - 110)
Terphenyl-d14	74 DIL	(41 - 119)
Phenol-d5	71 DIL	(28 - 110)
2-Fluorophenol	57 DIL	(26 - 110)
2,4,6-Tribromophenol	45 DIL	(10 - 118)

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
 Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-655

TOTAL Metals

Lot-Sample #...: A7G120192-038

Matrix.....: SO

Date Sampled...: 07/10/07 14:33 Date Received...: 07/11/07

% Moisture.....: 4.6

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCK1A2
		Dilution Factor: 1				
Aluminum	2620	16.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AE
		Dilution Factor: 1				
Arsenic	2.8	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCK1A0
		Dilution Factor: 1				
Barium	37.6	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AF
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AG
		Dilution Factor: 1				
Calcium	523	419	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AJ
		Dilution Factor: 1				
Cadmium	ND	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AH
		Dilution Factor: 1				
Cobalt	1.7	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AK
		Dilution Factor: 1				
Chromium	4.2	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AV
		Dilution Factor: 1				
Copper	4.6	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AL
		Dilution Factor: 1				
Iron	3580	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AM
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QCK1AD
		Dilution Factor: 1				
Potassium	ND	419	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AR
		Dilution Factor: 1				
Magnesium	417	83.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AN
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-655

TOTAL Metals

Lot-Sample #...: A7G120192-038

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>74.7</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCK1AP</b>
		Dilution Factor: 1				
Sodium	ND	83.9	mg/kg	SW846 6010B	07/16-07/17/07	J2QCK1AT
		Dilution Factor: 1				
<b>Nickel</b>	<b>3.8</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCK1AQ</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>5.6</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCK1AW</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCK1AX
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCK1A1
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCK1A3
		Dilution Factor: 1				
<b>Vanadium</b>	<b>5.5</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCK1AU</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>21.3</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QCK1A4</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-655

General Chemistry

Lot-Sample #...: A7G120192-038    Work Order #...: J2QCK    Matrix.....: SO  
Date Sampled...: 07/10/07 14:33    Date Received..: 07/11/07  
% Moisture.....: 4.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-656

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-039    Work Order #...: J2QCM1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:05    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 3.4    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	48	(24 - 112)
2-Fluorobiphenyl	61	(34 - 110)
Terphenyl-d14	75	(41 - 119)
Phenol-d5	56	(28 - 110)
2-Fluorophenol	62	(26 - 110)
2,4,6-Tribromophenol	33	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-656

TOTAL Metals

Lot-Sample #...: A7G120192-039

Matrix.....: SO

Date Sampled...: 07/10/07 15:05 Date Received...: 07/11/07

% Moisture.....: 3.4

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QCM1AD
		Dilution Factor: 1				
Aluminum	1750	16.6	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AK
		Dilution Factor: 1				
Arsenic	1.8	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QCM1AA
		Dilution Factor: 1				
Barium	9.2	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AM
		Dilution Factor: 1				
Calcium	23000	414	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AN
		Dilution Factor: 1				
Cobalt	1.8	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AQ
		Dilution Factor: 1				
Chromium	4.1	0.41	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1A2
		Dilution Factor: 1				
Copper	4.9	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AR
		Dilution Factor: 1				
Iron	4240	8.3	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/16/07	J2QCM1AJ
		Dilution Factor: 1				
Potassium	ND	414	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AX
		Dilution Factor: 1				
Magnesium	5710	82.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-656

TOTAL Metals

Lot-Sample #...: A7G120192-039

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	125	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AV
		Dilution Factor: 1				
Sodium	ND	82.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1A0
		Dilution Factor: 1				
Nickel	3.8	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1AW
		Dilution Factor: 1				
Lead	5.7	0.25	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCM1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCM1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/16-07/18/07	J2QCM1AE
		Dilution Factor: 1				
Vanadium	6.1	0.83	mg/kg	SW846 6010B	07/16-07/17/07	J2QCM1A1
		Dilution Factor: 1				
Zinc	15.6	0.83	mg/kg	SW846 6020	07/16-07/18/07	J2QCM1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-656

General Chemistry

Lot-Sample #...: A7G120192-039    Work Order #...: J2QCM    Matrix.....: SO  
Date Sampled...: 07/10/07 15:05    Date Received..: 07/11/07  
% Moisture.....: 3.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.6	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-657

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-040    Work Order #...: J2QCP1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:07    Date Received...: 07/11/07  
 Prep Date.....: 07/15/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1  
 % Moisture.....: 4.8    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	60	(24 - 112)
2-Fluorobiphenyl	69	(34 - 110)
Terphenyl-d14	90	(41 - 119)
Phenol-d5	64	(28 - 110)
2-Fluorophenol	69	(26 - 110)
2,4,6-Tribromophenol	49	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-657

TOTAL Metals

Lot-Sample #...: A7G120192-040

Matrix.....: SO

Date Sampled...: 07/10/07 15:07 Date Received...: 07/11/07

% Moisture.....: 4.8

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7197070						
Silver	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCP1AD
		Dilution Factor: 1				
Aluminum	2020	16.8	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AK
		Dilution Factor: 1				
Arsenic	1.6	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCP1AA
		Dilution Factor: 1				
Barium	12.3	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AM
		Dilution Factor: 1				
Calcium	27100	420	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AP
		Dilution Factor: 1				
Cadmium	ND	0.084	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AN
		Dilution Factor: 1				
Cobalt	3.5	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AQ
		Dilution Factor: 1				
Chromium	4.6	0.42	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1A2
		Dilution Factor: 1				
Copper	7.1 E	0.84	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AR
		Dilution Factor: 1				
Iron	4430	8.4	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/16/07	J2QCP1AJ
		Dilution Factor: 1				
Potassium	ND	420	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AX
		Dilution Factor: 1				
Magnesium	11500	84.0	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-657

TOTAL Metals

Lot-Sample #...: A7G120192-040

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>149</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCP1AV</b>
		Dilution Factor: 1				
Sodium	ND	84.0	mg/kg	SW846 6010B	07/16-07/17/07	J2QCP1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>4.5</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCP1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>6.6</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCP1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCP1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/16-07/18/07	J2QCP1AC
		Dilution Factor: 1				
Thallium	ND	0.084	mg/kg	SW846 6020	07/16-07/18/07	J2QCP1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>6.2</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/16-07/17/07</b>	<b>J2QCP1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>14.2</b>	<b>0.84</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/16-07/18/07</b>	<b>J2QCP1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.  
 E Matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-657

General Chemistry

Lot-Sample #...: A7G120192-040    Work Order #...: J2QCP    Matrix.....: SO  
Date Sampled...: 07/10/07 15:07    Date Received..: 07/11/07  
% Moisture.....: 4.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.2	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-658

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-041    Work Order #...: J2QCQ1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:09    Date Received..: 07/11/07  
 Prep Date.....: 07/15/07    Analysis Date..: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1  
 % Moisture.....: 3.4    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
Fluoranthene	ND	270	ug/kg
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	52	(24 - 112)
2-Fluorobiphenyl	62	(34 - 110)
Terphenyl-d14	87	(41 - 119)
Phenol-d5	58	(28 - 110)
2-Fluorophenol	60	(26 - 110)
2,4,6-Tribromophenol	41	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-658

TOTAL Metals

Lot-Sample #...: A7G120192-041

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

% Moisture.....: 3.4

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7199022						
Silver	ND	0.083	mg/kg	SW846 6020	07/18/07	J2QCQ1AD
		Dilution Factor: 1				
Aluminum	1600	16.6	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AK
		Dilution Factor: 1				
Arsenic	2.6	0.083	mg/kg	SW846 6020	07/18/07	J2QCQ1AA
		Dilution Factor: 1				
Barium	9.3	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AM
		Dilution Factor: 1				
Calcium	32900	414	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AN
		Dilution Factor: 1				
Cobalt	2.3	0.41	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AQ
		Dilution Factor: 1				
Chromium	3.9	0.41	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1A2
		Dilution Factor: 1				
Copper	5.8	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AR
		Dilution Factor: 1				
Iron	4100	8.3	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/18/07	J2QCQ1AJ
		Dilution Factor: 1				
Potassium	ND	414	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AX
		Dilution Factor: 1				
Magnesium	15800	82.8	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-658

TOTAL Metals

Lot-Sample #...: A7G120192-041

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>127</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCQ1AV</b>
		Dilution Factor: 1				
Sodium	ND	82.8	mg/kg	SW846 6010B	07/18-07/19/07	J2QCQ1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>3.7</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCQ1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>7.1</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCQ1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QCQ1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QCQ1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/18/07	J2QCQ1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>7.2</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCQ1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>14.5 J</b>	<b>0.83</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/18/07</b>	<b>J2QCQ1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-658

General Chemistry

Lot-Sample #...: A7G120192-041    Work Order #...: J2QCQ    Matrix.....: SO  
Date Sampled...: 07/10/07 15:09    Date Received..: 07/11/07  
% Moisture.....: 3.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.6	10.0	%	MCAWW 160.3 MOD	07/12-07/13/07	7193523

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-659

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-042    Work Order #...: J2QCT1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:11    Date Received...: 07/11/07  
 Prep Date.....: 07/15/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1  
 % Moisture.....: 3.2    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	270	ug/kg
Acenaphthylene	ND	270	ug/kg
Anthracene	ND	270	ug/kg
Benzo(a)anthracene	ND	270	ug/kg
Benzo(a)pyrene	ND	270	ug/kg
Benzo(b)fluoranthene	ND	270	ug/kg
Benzo(ghi)perylene	ND	270	ug/kg
Benzo(k)fluoranthene	ND	270	ug/kg
Chrysene	ND	270	ug/kg
Dibenz(a,h)anthracene	ND	270	ug/kg
<b>Fluoranthene</b>	<b>310</b>	<b>270</b>	<b>ug/kg</b>
Fluorene	ND	270	ug/kg
Indeno(1,2,3-cd)pyrene	ND	270	ug/kg
2-Methylnaphthalene	ND	270	ug/kg
Naphthalene	ND	270	ug/kg
Phenanthrene	ND	270	ug/kg
Pyrene	ND	270	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	57	(24 - 112)
2-Fluorobiphenyl	67	(34 - 110)
Terphenyl-d14	81	(41 - 119)
Phenol-d5	62	(28 - 110)
2-Fluorophenol	63	(26 - 110)
2,4,6-Tribromophenol	44	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-659

TOTAL Metals

Lot-Sample #...: A7G120192-042

Matrix.....: SO

Date Sampled...: 07/10/07 15:11 Date Received...: 07/11/07

% Moisture.....: 3.2

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7199022						
Silver	ND	0.083	mg/kg	SW846 6020	07/18/07	J2QCT1AD
		Dilution Factor: 1				
Aluminum	1390	16.5	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AK
		Dilution Factor: 1				
Arsenic	1.3	0.083	mg/kg	SW846 6020	07/18/07	J2QCT1AA
		Dilution Factor: 1				
Barium	7.0	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AM
		Dilution Factor: 1				
Calcium	19600	413	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AP
		Dilution Factor: 1				
Cadmium	ND	0.083	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AN
		Dilution Factor: 1				
Cobalt	1.5	0.41	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AQ
		Dilution Factor: 1				
Chromium	3.8	0.41	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1A2
		Dilution Factor: 1				
Copper	3.9	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AR
		Dilution Factor: 1				
Iron	3630	8.3	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AT
		Dilution Factor: 1				
Mercury	ND	0.041	mg/kg	SW846 7471A	07/18/07	J2QCT1AJ
		Dilution Factor: 1				
Potassium	ND	413	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AX
		Dilution Factor: 1				
Magnesium	5090	82.6	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AU
		Dilution Factor: 1				

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-659

TOTAL Metals

Lot-Sample #...: A7G120192-042

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	102	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AV
		Dilution Factor: 1				
Sodium	ND	82.6	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1A0
		Dilution Factor: 1				
Nickel	3.6	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1AW
		Dilution Factor: 1				
Lead	3.7	0.25	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1A3
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QCT1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QCT1AC
		Dilution Factor: 1				
Thallium	ND	0.083	mg/kg	SW846 6020	07/18/07	J2QCT1AE
		Dilution Factor: 1				
Vanadium	5.0	0.83	mg/kg	SW846 6010B	07/18-07/19/07	J2QCT1A1
		Dilution Factor: 1				
Zinc	11.8 J	0.83	mg/kg	SW846 6020	07/18/07	J2QCT1AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-659

General Chemistry

Lot-Sample #...: A7G120192-042    Work Order #...: J2QCT    Matrix.....: SO  
Date Sampled...: 07/10/07 15:11    Date Received..: 07/11/07  
% Moisture.....: 3.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.8	10.0	%	MCAWW 160.3 MOD	07/12-07/13/07	7193523

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-660

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-043    Work Order #...: J2QCV1AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:12    Date Received...: 07/11/07  
 Prep Date.....: 07/15/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1  
 % Moisture.....: 5.5    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	62	(24 - 112)
2-Fluorobiphenyl	68	(34 - 110)
Terphenyl-d14	73	(41 - 119)
Phenol-d5	68	(28 - 110)
2-Fluorophenol	70	(26 - 110)
2,4,6-Tribromophenol	51	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-660

TOTAL Metals

Lot-Sample #...: A7G120192-043

Matrix.....: SO

Date Sampled...: 07/10/07 15:12 Date Received...: 07/11/07

% Moisture.....: 5.5

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 7199022						
Silver	ND	0.085	mg/kg	SW846 6020	07/18/07	J2QCV1AD
		Dilution Factor: 1				
Aluminum	2860	16.9	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AK
		Dilution Factor: 1				
Arsenic	1.4	0.085	mg/kg	SW846 6020	07/18/07	J2QCV1AA
		Dilution Factor: 1				
Barium	27.7	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AM
		Dilution Factor: 1				
Calcium	35600	423	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AP
		Dilution Factor: 1				
Cadmium	0.10	0.085	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AN
		Dilution Factor: 1				
Cobalt	2.3	0.42	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AQ
		Dilution Factor: 1				
Chromium	8.4	0.42	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1A2
		Dilution Factor: 1				
Copper	6.7	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AR
		Dilution Factor: 1				
Iron	4040	8.5	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/18/07	J2QCV1AJ
		Dilution Factor: 1				
Potassium	ND	423	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AX
		Dilution Factor: 1				
Magnesium	2060	84.7	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-660

TOTAL Metals

Lot-Sample #...: A7G120192-043

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
<b>Manganese</b>	<b>141</b>	<b>0.85</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCV1AV</b>
		Dilution Factor: 1				
Sodium	ND	84.7	mg/kg	SW846 6010B	07/18-07/19/07	J2QCV1A0
		Dilution Factor: 1				
<b>Nickel</b>	<b>6.9</b>	<b>0.85</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCV1AW</b>
		Dilution Factor: 1				
<b>Lead</b>	<b>8.4</b>	<b>0.25</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCV1A3</b>
		Dilution Factor: 1				
Antimony	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QCV1A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QCV1AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/18/07	J2QCV1AE
		Dilution Factor: 1				
<b>Vanadium</b>	<b>6.5</b>	<b>0.85</b>	<b>mg/kg</b>	<b>SW846 6010B</b>	<b>07/18-07/19/07</b>	<b>J2QCV1A1</b>
		Dilution Factor: 1				
<b>Zinc</b>	<b>14.7 J</b>	<b>0.85</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/18/07</b>	<b>J2QCV1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-660

General Chemistry

Lot-Sample #...: A7G120192-043    Work Order #...: J2QCV    Matrix.....: SO  
Date Sampled...: 07/10/07 15:12    Date Received..: 07/11/07  
% Moisture.....: 5.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.5	10.0	%	MCAWW 160.3 MOD	07/12-07/13/07	7193523

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-661

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-044    Work Order #...: J2QC11AH    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:14    Date Received...: 07/11/07  
 Prep Date.....: 07/14/07    Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1  
 % Moisture.....: 5.7    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acenaphthene	ND	280	ug/kg
Acenaphthylene	ND	280	ug/kg
Anthracene	ND	280	ug/kg
Benzo(a)anthracene	ND	280	ug/kg
Benzo(a)pyrene	ND	280	ug/kg
Benzo(b)fluoranthene	ND	280	ug/kg
Benzo(ghi)perylene	ND	280	ug/kg
Benzo(k)fluoranthene	ND	280	ug/kg
Chrysene	ND	280	ug/kg
Dibenz(a,h)anthracene	ND	280	ug/kg
Fluoranthene	ND	280	ug/kg
Fluorene	ND	280	ug/kg
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg
2-Methylnaphthalene	ND	280	ug/kg
Naphthalene	ND	280	ug/kg
Phenanthrene	ND	280	ug/kg
Pyrene	ND	280	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	59	(24 - 112)
2-Fluorobiphenyl	74	(34 - 110)
Terphenyl-d14	81	(41 - 119)
Phenol-d5	70	(28 - 110)
2-Fluorophenol	74	(26 - 110)
2,4,6-Tribromophenol	21	(10 - 118)

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-661

TOTAL Metals

Lot-Sample #...: A7G120192-044

Matrix.....: SO

Date Sampled...: 07/10/07 15:14 Date Received...: 07/11/07

% Moisture.....: 5.7

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...:	7199022					
Silver	0.59	0.085	mg/kg	SW846 6020	07/18/07	J2QC11AD
		Dilution Factor: 1				
Aluminum	2870	17.0	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AK
		Dilution Factor: 1				
Arsenic	2.0	0.085	mg/kg	SW846 6020	07/18/07	J2QC11AA
		Dilution Factor: 1				
Barium	33.0	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AL
		Dilution Factor: 1				
Beryllium	ND	0.17	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AM
		Dilution Factor: 1				
Calcium	14100	424	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AP
		Dilution Factor: 1				
Cadmium	0.40	0.085	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AN
		Dilution Factor: 1				
Cobalt	14.2	0.42	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AQ
		Dilution Factor: 1				
Chromium	70.9	0.42	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11A2
		Dilution Factor: 1				
Copper	49.0	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AR
		Dilution Factor: 1				
Iron	7820	8.5	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AT
		Dilution Factor: 1				
Mercury	ND	0.042	mg/kg	SW846 7471A	07/18/07	J2QC11AJ
		Dilution Factor: 1				
Potassium	ND	424	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AX
		Dilution Factor: 1				
Magnesium	5330	84.9	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AU
		Dilution Factor: 1				

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-661

TOTAL Metals

Lot-Sample #...: A7G120192-044

Matrix.....: SO

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	239	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AV
		Dilution Factor: 1				
Sodium	ND	84.9	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11A0
		Dilution Factor: 1				
Nickel	44.6	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11AW
		Dilution Factor: 1				
Lead	40.4	0.25	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11A3
		Dilution Factor: 1				
Antimony	0.59	0.17	mg/kg	SW846 6020	07/18/07	J2QC11A4
		Dilution Factor: 1				
Selenium	ND	0.17	mg/kg	SW846 6020	07/18/07	J2QC11AC
		Dilution Factor: 1				
Thallium	ND	0.085	mg/kg	SW846 6020	07/18/07	J2QC11AE
		Dilution Factor: 1				
Vanadium	8.8	0.85	mg/kg	SW846 6010B	07/18-07/19/07	J2QC11A1
		Dilution Factor: 1				
Zinc	61.3 J	0.85	mg/kg	SW846 6020	07/18/07	J2QC11AF
		Dilution Factor: 1				

**NOTE(S):**

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-661

General Chemistry

Lot-Sample #...: A7G120192-044    Work Order #...: J2QC1    Matrix.....: SO  
Date Sampled...: 07/10/07 15:14    Date Received..: 07/11/07  
% Moisture.....: 5.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.3	10.0	%	MCAWW 160.3 MOD	07/12-07/13/07	7193523

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-662

TCLP GC/MS Volatiles

Lot-Sample #...: A7G120192-045    Work Order #...: J2QC41AA    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:45    Date Received...: 07/11/07  
 Leach Date.....: 07/23/07    Prep Date.....: 07/24/07    Analysis Date...: 07/24/07  
 Leach Batch #...: P720417    Prep Batch #...: 7205474  
 Dilution Factor: 1  
 % Moisture.....:    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.025	mg/L
Carbon tetrachloride	ND	0.025	mg/L
Chlorobenzene	ND	0.025	mg/L
Chloroform	ND	0.025	mg/L
1,2-Dichloroethane	ND	0.025	mg/L
1,1-Dichloroethylene	ND	0.070	mg/L
Methyl ethyl ketone	ND	0.25	mg/L
Tetrachloroethylene	ND	0.070	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.025	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Dibromofluoromethane	108	(86 - 125)
1,2-Dichloroethane-d4	104	(80 - 122)
Toluene-d8	95	(90 - 122)
4-Bromofluorobenzene	84	(84 - 125)

**NOTE(S):**

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-662

TCLP GC/MS Semivolatiles

Lot-Sample #...: A7G120192-045    Work Order #...: J2QC41AC    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:45    Date Received..: 07/11/07  
 Leach Date.....: 07/18/07    Prep Date.....: 07/19/07    Analysis Date..: 07/21/07  
 Leach Batch #..: P719913    Prep Batch #...: 7200054  
 Dilution Factor: 1  
 % Moisture.....:    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	0.0040	mg/L
m-Cresol & p-Cresol	ND	0.040	mg/L
1,4-Dichlorobenzene	ND	0.0040	mg/L
2,4-Dinitrotoluene	ND	0.020	mg/L
Hexachlorobenzene	ND	0.020	mg/L
Hexachlorobutadiene	ND	0.020	mg/L
Hexachloroethane	ND	0.020	mg/L
Nitrobenzene	ND	0.0040	mg/L
Pentachlorophenol	ND	0.040	mg/L
Pyridine	ND	0.020	mg/L
2,4,5-Trichloro-phenol	ND	0.020	mg/L
2,4,6-Trichloro-phenol	ND	0.020	mg/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	80	(29 - 111)
2-Fluorobiphenyl	54	(22 - 110)
Terphenyl-d14	86	(40 - 119)
Phenol-d5	37	(10 - 110)
2-Fluorophenol	51	(10 - 110)
2,4,6-Tribromophenol	81	(17 - 117)

**NOTE(S):**

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-662

TCLP Metals

Lot-Sample #...: A7G120192-045

Matrix.....: SO

Date Sampled...: 07/10/07 15:45 Date Received...: 07/11/07

Leach Date.....: 07/18/07 Leach Batch #...: P719913

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
<b>Prep Batch #...: 7200065</b>						
Mercury	ND	0.0020	mg/L	SW846 7470A	07/19-07/20/07	J2QC41AE
		Dilution Factor: 1				
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19/07	J2QC41AF
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19/07	J2QC41AG
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19/07	J2QC41AH
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19/07	J2QC41AJ
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19/07	J2QC41AK
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19/07	J2QC41AL
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19/07	J2QC41AM
		Dilution Factor: 1				

**NOTE(S):**

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: SO-17360-071007-BW-662

General Chemistry

Lot-Sample #...: A7G120192-045    Work Order #...: J2QC4    Matrix.....: SO  
 Date Sampled...: 07/10/07 15:45    Date Received..: 07/11/07  
 % Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Corrosivity	9.6		No Units	SW846 9045A	07/12/07	7193545
			Dilution Factor: 1			
Flashpoint	>180		deg F	SW846 1010	07/16/07	7197350
			Dilution Factor: 1			
Reactive Cyanide	ND	200	mg/kg	SW846 7.3.3	07/23/07	7204350
			Dilution Factor: 1			
Reactive Sulfide	ND	500	mg/kg	SW846 7.3.4	07/23/07	7204351
			Dilution Factor: 1			

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-17360-071007-BW-663

TCLP GC/MS Volatiles

Lot-Sample #...: A7G120192-046    Work Order #...: J2QE11AA    Matrix.....: WG  
 Date Sampled...: 07/10/07 16:00    Date Received..: 07/11/07  
 Leach Date.....: 07/23/07    Prep Date.....: 07/24/07    Analysis Date..: 07/24/07  
 Leach Batch #..: P720417    Prep Batch #...: 7205474  
 Dilution Factor: 1  
 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Benzene	ND	0.025	mg/L
Carbon tetrachloride	ND	0.025	mg/L
Chlorobenzene	ND	0.025	mg/L
Chloroform	ND	0.025	mg/L
1,2-Dichloroethane	ND	0.025	mg/L
1,1-Dichloroethylene	ND	0.070	mg/L
Methyl ethyl ketone	ND	0.25	mg/L
Tetrachloroethylene	ND	0.070	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.025	mg/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Dibromofluoromethane	107	(86 - 125)
1,2-Dichloroethane-d4	97	(80 - 122)
Toluene-d8	102	(90 - 122)
4-Bromofluorobenzene	85	(84 - 125)

**NOTE(S):**

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-17360-071007-BW-663

TCLP GC/MS Semivolatiles

Lot-Sample #...: A7G120192-046    Work Order #...: J2QE11AC    Matrix.....: WG  
 Date Sampled...: 07/10/07 16:00    Date Received..: 07/11/07  
 Leach Date.....: 07/18/07    Prep Date.....: 07/19/07    Analysis Date..: 07/21/07  
 Leach Batch #..: P719912    Prep Batch #...: 7200055  
 Dilution Factor: 1    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
o-Cresol	ND	0.0040	mg/L
m-Cresol & p-Cresol	ND	0.040	mg/L
1,4-Dichlorobenzene	ND	0.0040	mg/L
2,4-Dinitrotoluene	ND	0.020	mg/L
Hexachlorobenzene	ND	0.020	mg/L
Hexachlorobutadiene	ND	0.020	mg/L
Hexachloroethane	ND	0.020	mg/L
Nitrobenzene	ND	0.0040	mg/L
Pentachlorophenol	ND	0.040	mg/L
Pyridine	ND	0.020	mg/L
2,4,5-Trichloro-phenol	ND	0.020	mg/L
2,4,6-Trichloro-phenol	ND	0.020	mg/L

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	71	(27 - 110)
2-Fluorobiphenyl	52	(20 - 110)
Terphenyl-d14	80	(44 - 110)
Phenol-d5	32	(10 - 110)
2-Fluorophenol	45	(10 - 110)
2,4,6-Tribromophenol	71	(28 - 110)

**NOTE(S):**

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-17360-071007-BW-663

TCLP Metals

Lot-Sample #...: A7G120192-046

Matrix.....: WG

Date Sampled...: 07/10/07 16:00 Date Received...: 07/11/07

Leach Date.....: 07/18/07 Leach Batch #...: P719912

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
<b>Prep Batch #...: 7200015</b>						
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AE
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AF
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AG
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AH
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AJ
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AK
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J2QE11AL
		Dilution Factor: 1				
Mercury	ND	0.0020	mg/L	SW846 7470A	07/19-07/20/07	J2QE11AD
		Dilution Factor: 10				

**NOTE(S):**

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Conestoga-Rovers & Associates, Inc.

Client Sample ID: W-17360-071007-BW-663

General Chemistry

Lot-Sample #...: A7G120192-046    Work Order #...: J2QE1    Matrix.....: WG  
Date Sampled...: 07/10/07 16:00    Date Received...: 07/11/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Corrosivity	10.2		No Units	SW846 9045A	07/12/07	7193546
			Dilution Factor: 1			
Flashpoint	>200		deg F	SW846 1010	07/26/07	7207148
			Dilution Factor: 1			
Reactive Cyanide	ND	200	mg/kg	SW846 7.3.3	07/23/07	7204350
			Dilution Factor: 1			
Reactive Sulfide	ND	500	mg/kg	SW846 7.3.4	07/23/07	7204351
			Dilution Factor: 1			

***QUALITY CONTROL SECTION***

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7G120192      Work Order #...: J3EPA1AA      Matrix.....: SOLID  
 MB Lot-Sample #: A7G230000-454  
 Leach Date.....: 07/23/07      Prep Date.....: 07/24/07      Analysis Date..: 07/24/07  
 Leach Batch #..: P720417      Prep Batch #...: 7205474  
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzene	ND	0.025	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.025	mg/L	SW846 8260B
Chlorobenzene	ND	0.025	mg/L	SW846 8260B
Chloroform	ND	0.025	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.025	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.070	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.25	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.070	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.025	mg/L	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	109	(86 - 125)
1,2-Dichloroethane-d4	102	(80 - 122)
Toluene-d8	101	(90 - 122)
4-Bromofluorobenzene	87	(84 - 125)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192  
 MB Lot-Sample #: A7G120000-343

Work Order #...: J2QQ01AA

Matrix.....: SOLID

Prep Date.....: 07/12/07

Analysis Date..: 07/23/07

Prep Batch #...: 7193343

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Acenaphthene	ND	260	ug/kg	SW846 8270C
Acenaphthylene	ND	260	ug/kg	SW846 8270C
Anthracene	ND	260	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	260	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	260	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	260	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	260	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	260	ug/kg	SW846 8270C
Chrysene	ND	260	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	260	ug/kg	SW846 8270C
Fluoranthene	ND	260	ug/kg	SW846 8270C
Fluorene	ND	260	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	260	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	260	ug/kg	SW846 8270C
Naphthalene	ND	260	ug/kg	SW846 8270C
Phenanthrene	ND	260	ug/kg	SW846 8270C
Pyrene	ND	260	ug/kg	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	76	( 24 - 112)
2-Fluorobiphenyl	81	( 34 - 110)
Terphenyl-d14	109	( 41 - 119)
Phenol-d5	77	( 28 - 110)
2-Fluorophenol	79	( 26 - 110)
2,4,6-Tribromophenol	55	( 10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192  
 MB Lot-Sample #: A7G140000-031

Work Order #...: J2W5G1AA

Matrix.....: SOLID

Prep Date.....: 07/14/07

Analysis Date..: 07/22/07

Prep Batch #...: 7195031

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Acenaphthene	ND	260	ug/kg	SW846 8270C
Acenaphthylene	ND	260	ug/kg	SW846 8270C
Anthracene	ND	260	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	260	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	260	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	260	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	260	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	260	ug/kg	SW846 8270C
Chrysene	ND	260	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	260	ug/kg	SW846 8270C
Fluoranthene	ND	260	ug/kg	SW846 8270C
Fluorene	ND	260	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	260	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	260	ug/kg	SW846 8270C
Naphthalene	ND	260	ug/kg	SW846 8270C
Phenanthrene	ND	260	ug/kg	SW846 8270C
Pyrene	ND	260	ug/kg	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	60	( 24 - 112)
2-Fluorobiphenyl	63	( 34 - 110)
Terphenyl-d14	79	( 41 - 119)
Phenol-d5	63	( 28 - 110)
2-Fluorophenol	65	( 26 - 110)
2,4,6-Tribromophenol	12	( 10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192  
 MB Lot-Sample #: A7G140000-088

Work Order #...: J2XFT1AA

Matrix.....: SOLID

Prep Date.....: 07/15/07

Analysis Date..: 07/22/07

Prep Batch #...: 7195088

Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Acenaphthene	ND	260	ug/kg	SW846 8270C
Acenaphthylene	ND	260	ug/kg	SW846 8270C
Anthracene	ND	260	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	260	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	260	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	260	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	260	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	260	ug/kg	SW846 8270C
Chrysene	ND	260	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	260	ug/kg	SW846 8270C
Fluoranthene	ND	260	ug/kg	SW846 8270C
Fluorene	ND	260	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	260	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	260	ug/kg	SW846 8270C
Naphthalene	ND	260	ug/kg	SW846 8270C
Phenanthrene	ND	260	ug/kg	SW846 8270C
Pyrene	ND	260	ug/kg	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	62	(24 - 112)
2-Fluorobiphenyl	68	(34 - 110)
Terphenyl-d14	108	(41 - 119)
Phenol-d5	65	(28 - 110)
2-Fluorophenol	73	(26 - 110)
2,4,6-Tribromophenol	47	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24VH1AA      Matrix.....: SOLID  
 MB Lot-Sample #: A7G190000-054  
 Leach Date.....: 07/18/07      Prep Date.....: 07/19/07      Analysis Date...: 07/20/07  
 Leach Batch #...: P719913      Prep Batch #...: 7200054  
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.040	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.0040	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.020	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.020	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.020	mg/L	SW846 8270C
Hexachloroethane	ND	0.020	mg/L	SW846 8270C
Nitrobenzene	ND	0.0040	mg/L	SW846 8270C
Pentachlorophenol	ND	0.040	mg/L	SW846 8270C
Pyridine	ND	0.020	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	82	(29 - 111)
2-Fluorobiphenyl	60	(22 - 110)
Terphenyl-d14	101	(40 - 119)
Phenol-d5	49	(10 - 110)
2-Fluorophenol	54	(10 - 110)
2,4,6-Tribromophenol	88	(17 - 117)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: A7G120192  
 MB Lot-Sample #: A7G190000-055  
 Leach Date.....: 07/18/07  
 Leach Batch #...: P719912  
 Dilution Factor: 1

Work Order #...: J24XK1AA  
 Prep Date.....: 07/19/07  
 Prep Batch #...: 7200055

Matrix.....: WATER  
 Analysis Date...: 07/20/07

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.040	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.0040	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.020	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.020	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.020	mg/L	SW846 8270C
Hexachloroethane	ND	0.020	mg/L	SW846 8270C
Nitrobenzene	ND	0.0040	mg/L	SW846 8270C
Pentachlorophenol	ND	0.040	mg/L	SW846 8270C
Pyridine	ND	0.020	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	82	(27 - 110)
2-Fluorobiphenyl	60	(20 - 110)
Terphenyl-d14	101	(44 - 110)
Phenol-d5	49	(10 - 110)
2-Fluorophenol	54	(10 - 110)
2,4,6-Tribromophenol	88	(28 - 110)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
<b>MB Lot-Sample #:</b> A7G160000-050 <b>Prep Batch #...:</b> 7197050						
Aluminum	ND	16.0	mg/kg	SW846 6010B	07/16/07	J2X1C1AC
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2X1C1AV
		Dilution Factor: 1				
Arsenic	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X1C1AW
		Dilution Factor: 1				
Barium	ND	0.80	mg/kg	SW846 6010B	07/16/07	J2X1C1AD
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16/07	J2X1C1AE
		Dilution Factor: 1				
Cadmium	ND	0.080	mg/kg	SW846 6010B	07/16/07	J2X1C1AF
		Dilution Factor: 1				
Calcium	ND	400	mg/kg	SW846 6010B	07/16/07	J2X1C1AG
		Dilution Factor: 1				
Chromium	ND	0.40	mg/kg	SW846 6010B	07/16/07	J2X1C1AT
		Dilution Factor: 1				
Cobalt	ND	0.40	mg/kg	SW846 6010B	07/16/07	J2X1C1AH
		Dilution Factor: 1				
Copper	ND	0.80	mg/kg	SW846 6010B	07/16/07	J2X1C1AJ
		Dilution Factor: 1				
Iron	ND	8.0	mg/kg	SW846 6010B	07/16/07	J2X1C1AK
		Dilution Factor: 1				
Lead	ND	0.24	mg/kg	SW846 6010B	07/16/07	J2X1C1AU
		Dilution Factor: 1				
Magnesium	ND	80.0	mg/kg	SW846 6010B	07/16/07	J2X1C1AL
		Dilution Factor: 1				
Manganese	ND	0.80	mg/kg	SW846 6010B	07/16/07	J2X1C1AM
		Dilution Factor: 1				
Mercury	ND	0.040	mg/kg	SW846 7471A	07/16/07	J2X1C1AA
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Nickel	ND	0.80	mg/kg	SW846 6010B	07/16/07	J2X1C1AN
		Dilution Factor: 1				
Potassium	ND	400	mg/kg	SW846 6010B	07/16/07	J2X1C1AP
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2X1C1AX
		Dilution Factor: 1				
Silver	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X1C1A0
		Dilution Factor: 1				
Sodium	ND	80.0	mg/kg	SW846 6010B	07/16/07	J2X1C1AQ
		Dilution Factor: 1				
Thallium	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X1C1A1
		Dilution Factor: 1				
Vanadium	ND	0.80	mg/kg	SW846 6010B	07/16/07	J2X1C1AR
		Dilution Factor: 1				
Zinc	ND	0.80	mg/kg	SW846 6020	07/16-07/18/07	J2X1C1A2
		Dilution Factor: 1				

MB Lot-Sample #: A7G160000-070 Prep Batch #...: 7197070

Aluminum	ND	16.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AH
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1A2
		Dilution Factor: 1				
Arsenic	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AA
		Dilution Factor: 1				
Barium	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AJ
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AK
		Dilution Factor: 1				
Cadmium	ND	0.080	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AL
		Dilution Factor: 1				
Calcium	ND	400	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AM
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Chromium	ND	0.40	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1A0
		Dilution Factor: 1				
Cobalt	ND	0.40	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AN
		Dilution Factor: 1				
Copper	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AP
		Dilution Factor: 1				
Iron	ND	8.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AQ
		Dilution Factor: 1				
Lead	ND	0.24	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1A1
		Dilution Factor: 1				
Magnesium	ND	80.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AR
		Dilution Factor: 1				
Manganese	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AT
		Dilution Factor: 1				
Mercury	ND	0.040	mg/kg	SW846 7471A	07/16/07	J2X2A1AG
		Dilution Factor: 1				
Nickel	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AU
		Dilution Factor: 1				
Potassium	ND	400	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AV
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AC
		Dilution Factor: 1				
Silver	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AD
		Dilution Factor: 1				
Sodium	ND	80.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AW
		Dilution Factor: 1				
Thallium	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AE
		Dilution Factor: 1				
Vanadium	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AX
		Dilution Factor: 1				
Zinc	ND	0.80	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AF
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
<b>MB Lot-Sample #:</b> A7G180000-022 <b>Prep Batch #...:</b> 7199022						
Aluminum	ND	16.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AH
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/18/07	J23JL1A2
		Dilution Factor: 1				
Arsenic	ND	0.080	mg/kg	SW846 6020	07/18/07	J23JL1AA
		Dilution Factor: 1				
Barium	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AJ
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AK
		Dilution Factor: 1				
Cadmium	ND	0.080	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AL
		Dilution Factor: 1				
Calcium	ND	400	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AM
		Dilution Factor: 1				
Chromium	ND	0.40	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1A0
		Dilution Factor: 1				
Cobalt	ND	0.40	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AN
		Dilution Factor: 1				
Copper	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AP
		Dilution Factor: 1				
Iron	ND	8.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AQ
		Dilution Factor: 1				
Lead	ND	0.24	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1A1
		Dilution Factor: 1				
Magnesium	ND	80.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AR
		Dilution Factor: 1				
Manganese	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AT
		Dilution Factor: 1				
Mercury	ND	0.040	mg/kg	SW846 7471A	07/18/07	J23JL1AG
		Dilution Factor: 1				

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**METHOD BLANK REPORT**

**TOTAL Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Nickel	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AU
		Dilution Factor: 1				
Potassium	ND	400	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AV
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/18/07	J23JL1AC
		Dilution Factor: 1				
Silver	ND	0.080	mg/kg	SW846 6020	07/18/07	J23JL1AD
		Dilution Factor: 1				
Sodium	ND	80.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AW
		Dilution Factor: 1				
Thallium	ND	0.080	mg/kg	SW846 6020	07/18/07	J23JL1AE
		Dilution Factor: 1				
Vanadium	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AX
		Dilution Factor: 1				
<b>Zinc</b>	<b>0.99</b>	<b>0.80</b>	<b>mg/kg</b>	<b>SW846 6020</b>	<b>07/18/07</b>	<b>J23JL1AF</b>
		Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**TCLP Metals**

Client Lot #...: A7G120192

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #:</b> A7G180000-270 <b>Prep Batch #...:</b> 7200015						
<b>Leach Date.....:</b> 07/18/07 <b>Leach Batch #...:</b> P719912						
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AD
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AE
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AF
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AG
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AH
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AJ
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AK
		Dilution Factor: 1				
Mercury	ND	0.00020	mg/L	SW846 7470A	07/19-07/20/07	J24EE1AC
		Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**TCLP Metals**

Client Lot #...: A7G120192

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #:</b> A7G190000-015 <b>Prep Batch #...:</b> 7200015						
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AC
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AE
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AG
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AJ
		Dilution Factor: 1				
Mercury	ND	0.00020	mg/L	SW846 7470A	07/19-07/20/07	J24MJ1AA
		Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
<b>MB Lot-Sample #:</b> A7G180000-316 <b>Prep Batch #...</b> : 7200065						
<b>Leach Date.....:</b> 07/18/07 <b>Leach Batch #..:</b> P719913						
Mercury	ND	0.0020	mg/L	SW846 7470A	07/19-07/20/07	J24L71AA
		Dilution Factor: 1				
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AC
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19/07	J24L71AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19/07	J24L71AE
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AG
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19/07	J24L71AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AJ
		Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**TCLP Metals**

Client Lot #...: A7G120192

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #:</b> A7G190000-065 <b>Prep Batch #...:</b> 7200065						
Mercury	ND	0.0020	mg/L	SW846 7470A	07/19-07/20/07	J24V91AA
		Dilution Factor: 1				
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AC
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19/07	J24V91AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19/07	J24V91AE
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AG
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19/07	J24V91AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AJ
		Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	PREP
		LIMIT	UNITS		ANALYSIS DATE	BATCH #
Percent Solids	ND	Work Order #: J2RH81AA 10.0	%	MB Lot-Sample #: A7G120000-523 MCAWW 160.3 MOD	07/12-07/13/07	7193523
		Dilution Factor: 1				
Percent Solids	ND	Work Order #: J2W461AA 10.0	%	MB Lot-Sample #: A7G130000-447 MCAWW 160.3 MOD	07/13-07/15/07	7194447
		Dilution Factor: 1				
Percent Solids	ND	Work Order #: J2W471AA 10.0	%	MB Lot-Sample #: A7G130000-448 MCAWW 160.3 MOD	07/13-07/15/07	7194448
		Dilution Factor: 1				
Reactive Cyanide	ND	Work Order #: J3EA71AA 200	mg/kg	MB Lot-Sample #: A7G230000-350 SW846 7.3.3	07/23/07	7204350
		Dilution Factor: 1				
Reactive Sulfide	ND	Work Order #: J3EA81AA 500	mg/kg	MB Lot-Sample #: A7G230000-351 SW846 7.3.4	07/23/07	7204351
		Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7G120192      Work Order #...: J3GPQ1AA      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G240000-474  
 Prep Date.....: 07/24/07      Analysis Date..: 07/24/07  
 Prep Batch #...: 7205474  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
<b>Benzene</b>	<b>97</b>	<b>(76 - 118)</b>	<b>SW846 8260B</b>
Carbon tetrachloride	74	(71 - 124)	SW846 8260B
<b>Chlorobenzene</b>	<b>102</b>	<b>(76 - 113)</b>	<b>SW846 8260B</b>
Chloroform	105	(82 - 117)	SW846 8260B
1,2-Dichloroethane	105	(78 - 122)	SW846 8260B
<b>1,1-Dichloroethylene</b>	<b>114</b>	<b>(67 - 128)</b>	<b>SW846 8260B</b>
Methyl ethyl ketone	81	(40 - 110)	SW846 8260B
Tetrachloroethylene	99	(64 - 121)	SW846 8260B
<b>Trichloroethylene</b>	<b>108</b>	<b>(76 - 119)</b>	<b>SW846 8260B</b>
Vinyl chloride	93	(47 - 123)	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Dibromofluoromethane	111	(86 - 124)
1,2-Dichloroethane-d4	97	(80 - 122)
Toluene-d8	102	(90 - 122)
4-Bromofluorobenzene	106	(84 - 125)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7G120192      Work Order #...: J3GPQ1AA      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G240000-474  
 Prep Date.....: 07/24/07      Analysis Date...: 07/24/07  
 Prep Batch #...: 7205474  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
<b>Benzene</b>	<b>1.0</b>	<b>0.97</b>	<b>mg/L</b>	<b>97</b>	<b>SW846 8260B</b>
Carbon tetrachloride	1.0	0.74	mg/L	74	SW846 8260B
<b>Chlorobenzene</b>	<b>1.0</b>	<b>1.0</b>	<b>mg/L</b>	<b>102</b>	<b>SW846 8260B</b>
Chloroform	1.0	1.0	mg/L	105	SW846 8260B
1,2-Dichloroethane	1.0	1.1	mg/L	105	SW846 8260B
<b>1,1-Dichloroethylene</b>	<b>1.0</b>	<b>1.1</b>	<b>mg/L</b>	<b>114</b>	<b>SW846 8260B</b>
Methyl ethyl ketone	1.0	0.81	mg/L	81	SW846 8260B
Tetrachloroethylene	1.0	0.99	mg/L	99	SW846 8260B
<b>Trichloroethylene</b>	<b>1.0</b>	<b>1.1</b>	<b>mg/L</b>	<b>108</b>	<b>SW846 8260B</b>
Vinyl chloride	1.0	0.93	mg/L	93	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Dibromofluoromethane	111	(86 - 124)
1,2-Dichloroethane-d4	97	(80 - 122)
Toluene-d8	102	(90 - 122)
4-Bromofluorobenzene	106	(84 - 125)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QQ01AC      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G120000-343  
 Prep Date.....: 07/12/07      Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>86</b>	<b>(46 - 110)</b>	<b>SW846 8270C</b>
Acenaphthylene	85	(47 - 110)	SW846 8270C
Anthracene	97	(56 - 111)	SW846 8270C
Benzo(a)anthracene	100	(58 - 111)	SW846 8270C
Benzo(a)pyrene	91	(44 - 115)	SW846 8270C
Benzo(b)fluoranthene	96	(43 - 124)	SW846 8270C
Benzo(ghi)perylene	89	(44 - 120)	SW846 8270C
Benzo(k)fluoranthene	89	(38 - 122)	SW846 8270C
Chrysene	101	(56 - 111)	SW846 8270C
Dibenz(a,h)anthracene	92	(45 - 122)	SW846 8270C
Fluoranthene	98	(55 - 118)	SW846 8270C
Fluorene	87	(51 - 110)	SW846 8270C
Indeno(1,2,3-cd)pyrene	90	(45 - 121)	SW846 8270C
2-Methylnaphthalene	91	(46 - 110)	SW846 8270C
Naphthalene	81	(42 - 110)	SW846 8270C
Phenanthrene	98	(54 - 110)	SW846 8270C
<b>Pyrene</b>	<b>99</b>	<b>(58 - 113)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Nitrobenzene-d5	81	(24 - 112)
2-Fluorobiphenyl	88	(34 - 110)
Terphenyl-d14	110	(41 - 119)
Phenol-d5	86	(28 - 110)
2-Fluorophenol	90	(26 - 110)
2,4,6-Tribromophenol	74	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QQ01AC      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G120000-343  
 Prep Date.....: 07/12/07      Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>670</b>	<b>570</b>	<b>ug/kg</b>	<b>86</b>	<b>SW846 8270C</b>
Acenaphthylene	670	570	ug/kg	85	SW846 8270C
Anthracene	670	650	ug/kg	97	SW846 8270C
Benzo(a)anthracene	670	670	ug/kg	100	SW846 8270C
Benzo(a)pyrene	670	610	ug/kg	91	SW846 8270C
Benzo(b)fluoranthene	670	640	ug/kg	96	SW846 8270C
Benzo(ghi)perylene	670	590	ug/kg	89	SW846 8270C
Benzo(k)fluoranthene	670	600	ug/kg	89	SW846 8270C
Chrysene	670	670	ug/kg	101	SW846 8270C
Dibenz(a,h)anthracene	670	610	ug/kg	92	SW846 8270C
Fluoranthene	670	650	ug/kg	98	SW846 8270C
Fluorene	670	580	ug/kg	87	SW846 8270C
Indeno(1,2,3-cd)pyrene	670	600	ug/kg	90	SW846 8270C
2-Methylnaphthalene	670	610	ug/kg	91	SW846 8270C
Naphthalene	670	540	ug/kg	81	SW846 8270C
Phenanthrene	670	650	ug/kg	98	SW846 8270C
<b>Pyrene</b>	<b>670</b>	<b>660</b>	<b>ug/kg</b>	<b>99</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Nitrobenzene-d5	81	(24 - 112)
2-Fluorobiphenyl	88	(34 - 110)
Terphenyl-d14	110	(41 - 119)
Phenol-d5	86	(28 - 110)
2-Fluorophenol	90	(26 - 110)
2,4,6-Tribromophenol	74	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2W5G1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G140000-031  
 Prep Date.....: 07/14/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>84</b>	<b>(46 - 110)</b>	<b>SW846 8270C</b>
Acenaphthylene	84	(47 - 110)	SW846 8270C
Anthracene	95	(56 - 111)	SW846 8270C
Benzo(a)anthracene	97	(58 - 111)	SW846 8270C
Benzo(a)pyrene	91	(44 - 115)	SW846 8270C
Benzo(b)fluoranthene	92	(43 - 124)	SW846 8270C
Benzo(ghi)perylene	89	(44 - 120)	SW846 8270C
Benzo(k)fluoranthene	87	(38 - 122)	SW846 8270C
Chrysene	99	(56 - 111)	SW846 8270C
Dibenz(a,h)anthracene	94	(45 - 122)	SW846 8270C
Fluoranthene	99	(55 - 118)	SW846 8270C
Fluorene	87	(51 - 110)	SW846 8270C
Indeno(1,2,3-cd)pyrene	91	(45 - 121)	SW846 8270C
2-Methylnaphthalene	92	(46 - 110)	SW846 8270C
Naphthalene	82	(42 - 110)	SW846 8270C
Phenanthrene	96	(54 - 110)	SW846 8270C
<b>Pyrene</b>	<b>102</b>	<b>(58 - 113)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Nitrobenzene-d5	69	(24 - 112)
2-Fluorobiphenyl	75	(34 - 110)
Terphenyl-d14	95	(41 - 119)
Phenol-d5	71	(28 - 110)
2-Fluorophenol	74	(26 - 110)
2,4,6-Tribromophenol	31	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2W5G1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G140000-031  
 Prep Date.....: 07/14/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>670</b>	<b>560</b>	<b>ug/kg</b>	<b>84</b>	<b>SW846 8270C</b>
Acenaphthylene	670	560	ug/kg	84	SW846 8270C
Anthracene	670	640	ug/kg	95	SW846 8270C
Benzo(a)anthracene	670	650	ug/kg	97	SW846 8270C
Benzo(a)pyrene	670	600	ug/kg	91	SW846 8270C
Benzo(b)fluoranthene	670	610	ug/kg	92	SW846 8270C
Benzo(ghi)perylene	670	590	ug/kg	89	SW846 8270C
Benzo(k)fluoranthene	670	580	ug/kg	87	SW846 8270C
Chrysene	670	660	ug/kg	99	SW846 8270C
Dibenz(a,h)anthracene	670	620	ug/kg	94	SW846 8270C
Fluoranthene	670	660	ug/kg	99	SW846 8270C
Fluorene	670	580	ug/kg	87	SW846 8270C
Indeno(1,2,3-cd)pyrene	670	610	ug/kg	91	SW846 8270C
2-Methylnaphthalene	670	610	ug/kg	92	SW846 8270C
Naphthalene	670	550	ug/kg	82	SW846 8270C
Phenanthrene	670	640	ug/kg	96	SW846 8270C
<b>Pyrene</b>	<b>670</b>	<b>680</b>	<b>ug/kg</b>	<b>102</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	69	( 24 - 112)
2-Fluorobiphenyl	75	( 34 - 110)
Terphenyl-d14	95	( 41 - 119)
Phenol-d5	71	( 28 - 110)
2-Fluorophenol	74	( 26 - 110)
2,4,6-Tribromophenol	31	( 10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2XFT1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G140000-088  
 Prep Date.....: 07/15/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>63</b>	<b>(46 - 110)</b>	<b>SW846 8270C</b>
Acenaphthylene	64	(47 - 110)	SW846 8270C
Anthracene	87	(56 - 111)	SW846 8270C
Benzo(a)anthracene	83	(58 - 111)	SW846 8270C
Benzo(a)pyrene	76	(44 - 115)	SW846 8270C
Benzo(b)fluoranthene	84	(43 - 124)	SW846 8270C
Benzo(ghi)perylene	75	(44 - 120)	SW846 8270C
Benzo(k)fluoranthene	71	(38 - 122)	SW846 8270C
Chrysene	84	(56 - 111)	SW846 8270C
Dibenz(a,h)anthracene	79	(45 - 122)	SW846 8270C
Fluoranthene	89	(55 - 118)	SW846 8270C
Fluorene	72	(51 - 110)	SW846 8270C
Indeno(1,2,3-cd)pyrene	80	(45 - 121)	SW846 8270C
2-Methylnaphthalene	66	(46 - 110)	SW846 8270C
Naphthalene	60	(42 - 110)	SW846 8270C
Phenanthrene	85	(54 - 110)	SW846 8270C
<b>Pyrene</b>	<b>84</b>	<b>(58 - 113)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Nitrobenzene-d5	56	(24 - 112)
2-Fluorobiphenyl	63	(34 - 110)
Terphenyl-d14	91	(41 - 119)
Phenol-d5	59	(28 - 110)
2-Fluorophenol	64	(26 - 110)
2,4,6-Tribromophenol	54	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2XFT1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G140000-088  
 Prep Date.....: 07/15/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>670</b>	<b>420</b>	<b>ug/kg</b>	<b>63</b>	<b>SW846 8270C</b>
Acenaphthylene	670	430	ug/kg	64	SW846 8270C
Anthracene	670	580	ug/kg	87	SW846 8270C
Benzo(a)anthracene	670	550	ug/kg	83	SW846 8270C
Benzo(a)pyrene	670	500	ug/kg	76	SW846 8270C
Benzo(b)fluoranthene	670	560	ug/kg	84	SW846 8270C
Benzo(ghi)perylene	670	500	ug/kg	75	SW846 8270C
Benzo(k)fluoranthene	670	470	ug/kg	71	SW846 8270C
Chrysene	670	560	ug/kg	84	SW846 8270C
Dibenz(a,h)anthracene	670	530	ug/kg	79	SW846 8270C
Fluoranthene	670	600	ug/kg	89	SW846 8270C
Fluorene	670	480	ug/kg	72	SW846 8270C
Indeno(1,2,3-cd)pyrene	670	540	ug/kg	80	SW846 8270C
2-Methylnaphthalene	670	440	ug/kg	66	SW846 8270C
Naphthalene	670	400	ug/kg	60	SW846 8270C
Phenanthrene	670	560	ug/kg	85	SW846 8270C
<b>Pyrene</b>	<b>670</b>	<b>560</b>	<b>ug/kg</b>	<b>84</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Nitrobenzene-d5	56	(24 - 112)
2-Fluorobiphenyl	63	(34 - 110)
Terphenyl-d14	91	(41 - 119)
Phenol-d5	59	(28 - 110)
2-Fluorophenol	64	(26 - 110)
2,4,6-Tribromophenol	54	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24VH1AC-LCS      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G190000-054      J24VH1AD-LCSD  
 Prep Date.....: 07/19/07      Analysis Date...: 07/20/07  
 Prep Batch #...: 7200054  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	RPD <u>LIMITS</u>	<u>METHOD</u>
o-Cresol	85	(24 - 110)			SW846 8270C
	90	(24 - 110)	6.0	(0-30)	SW846 8270C
m-Cresol & p-Cresol	72	(27 - 110)			SW846 8270C
	81	(27 - 110)	11	(0-30)	SW846 8270C
1,4-Dichlorobenzene	59	(16 - 110)			SW846 8270C
	59	(16 - 110)	1.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	95	(45 - 126)			SW846 8270C
	98	(45 - 126)	2.3	(0-30)	SW846 8270C
Hexachlorobenzene	75	(47 - 116)			SW846 8270C
	85	(47 - 116)	13	(0-30)	SW846 8270C
Hexachlorobutadiene	66	(10 - 110)			SW846 8270C
	66	(10 - 110)	0.19	(0-30)	SW846 8270C
Hexachloroethane	65	(10 - 110)			SW846 8270C
	65	(10 - 110)	1.1	(0-30)	SW846 8270C
Nitrobenzene	99	(35 - 117)			SW846 8270C
	107	(35 - 117)	8.1	(0-30)	SW846 8270C
Pentachlorophenol	68	(12 - 110)			SW846 8270C
	71	(12 - 110)	4.3	(0-30)	SW846 8270C
Pyridine	57	(10 - 110)			SW846 8270C
	59	(10 - 110)	2.6	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	77	(35 - 111)			SW846 8270C
	87	(35 - 111)	12	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	83	(32 - 110)			SW846 8270C
	85	(32 - 110)	2.0	(0-30)	SW846 8270C

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Nitrobenzene-d5	99	(29 - 111)
	109	(29 - 111)
2-Fluorobiphenyl	73	(22 - 110)
	79	(22 - 110)
Terphenyl-d14	92	(40 - 119)
	99	(40 - 119)
Phenol-d5	56	(10 - 110)
	44	(10 - 110)
2-Fluorophenol	58	(10 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24VH1AC-LCS      Matrix.....: SOLID  
LCS Lot-Sample#: A7G190000-054      J24VH1AD-LCSD

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
	60	(10 - 110)
2,4,6-Tribromophenol	93	(17 - 117)
	95	(17 - 117)

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24VH1AC-LCS      Matrix.....: SOLID  
 LCS Lot-Sample#: A7G190000-054      J24VH1AD-LCSD  
 Prep Date.....: 07/19/07      Analysis Date...: 07/20/07  
 Prep Batch #...: 7200054  
 Dilution Factor: 1

PARAMETER	SPIKE	MEASURED	UNITS	PERCENT	RPD	METHOD
	AMOUNT	AMOUNT		RECOVERY		
o-Cresol	0.080	0.068	mg/L	85		SW846 8270C
	0.080	0.072	mg/L	90	6.0	SW846 8270C
m-Cresol & p-Cresol	0.16	0.12	mg/L	72		SW846 8270C
	0.16	0.13	mg/L	81	11	SW846 8270C
1,4-Dichlorobenzene	0.080	0.048	mg/L	59		SW846 8270C
	0.080	0.047	mg/L	59	1.1	SW846 8270C
2,4-Dinitrotoluene	0.080	0.076	mg/L	95		SW846 8270C
	0.080	0.078	mg/L	98	2.3	SW846 8270C
Hexachlorobenzene	0.080	0.060	mg/L	75		SW846 8270C
	0.080	0.068	mg/L	85	13	SW846 8270C
Hexachlorobutadiene	0.080	0.052	mg/L	66		SW846 8270C
	0.080	0.053	mg/L	66	0.19	SW846 8270C
Hexachloroethane	0.080	0.052	mg/L	65		SW846 8270C
	0.080	0.052	mg/L	65	1.1	SW846 8270C
Nitrobenzene	0.080	0.079	mg/L	99		SW846 8270C
	0.080	0.086	mg/L	107	8.1	SW846 8270C
Pentachlorophenol	0.080	0.054	mg/L	68		SW846 8270C
	0.080	0.056	mg/L	71	4.3	SW846 8270C
Pyridine	0.080	0.046	mg/L	57		SW846 8270C
	0.080	0.047	mg/L	59	2.6	SW846 8270C
2,4,5-Trichloro-phenol	0.080	0.062	mg/L	77		SW846 8270C
	0.080	0.069	mg/L	87	12	SW846 8270C
2,4,6-Trichloro-phenol	0.080	0.067	mg/L	83		SW846 8270C
	0.080	0.068	mg/L	85	2.0	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	99	(29 - 111)
	109	(29 - 111)
2-Fluorobiphenyl	73	(22 - 110)
	79	(22 - 110)
Terphenyl-d14	92	(40 - 119)
	99	(40 - 119)
Phenol-d5	56	(10 - 110)
	44	(10 - 110)
2-Fluorophenol	58	(10 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24XK1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7G190000-055      J24XK1AD-LCSD  
 Prep Date.....: 07/19/07      Analysis Date...: 07/20/07  
 Prep Batch #...: 7200055  
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT	RECOVERY	RPD		<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	
o-Cresol	85	(23 - 110)			SW846 8270C
	90	(23 - 110)	6.0	(0-30)	SW846 8270C
m-Cresol & p-Cresol	72	(28 - 110)			SW846 8270C
	81	(28 - 110)	11	(0-30)	SW846 8270C
1,4-Dichlorobenzene	59	(13 - 110)			SW846 8270C
	59	(13 - 110)	1.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	95	(45 - 119)			SW846 8270C
	98	(45 - 119)	2.3	(0-30)	SW846 8270C
Hexachlorobenzene	75	(46 - 112)			SW846 8270C
	85	(46 - 112)	13	(0-30)	SW846 8270C
Hexachlorobutadiene	66	(10 - 110)			SW846 8270C
	66	(10 - 110)	0.19	(0-30)	SW846 8270C
Hexachloroethane	65	(10 - 110)			SW846 8270C
	65	(10 - 110)	1.1	(0-30)	SW846 8270C
Nitrobenzene	99	(29 - 118)			SW846 8270C
	107	(29 - 118)	8.1	(0-30)	SW846 8270C
Pentachlorophenol	68	(10 - 116)			SW846 8270C
	71	(10 - 116)	4.3	(0-30)	SW846 8270C
Pyridine	57	(15 - 110)			SW846 8270C
	59	(15 - 110)	2.6	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	77	(36 - 110)			SW846 8270C
	87	(36 - 110)	12	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	83	(32 - 110)			SW846 8270C
	85	(32 - 110)	2.0	(0-30)	SW846 8270C

<u>SURROGATE</u>	PERCENT	RECOVERY
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	99	(27 - 110)
	109	(27 - 110)
2-Fluorobiphenyl	73	(20 - 110)
	79	(20 - 110)
Terphenyl-d14	92	(44 - 110)
	99	(44 - 110)
Phenol-d5	56	(10 - 110)
	44	(10 - 110)
2-Fluorophenol	58	(10 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24XK1AC-LCS      Matrix.....: WATER  
LCS Lot-Sample#: A7G190000-055      J24XK1AD-LCSD

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
	60	(10 - 110)
2,4,6-Tribromophenol	93	(28 - 110)
	95	(28 - 110)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J24XK1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7G190000-055      J24XK1AD-LCSD  
 Prep Date.....: 07/19/07      Analysis Date...: 07/20/07  
 Prep Batch #...: 7200055  
 Dilution Factor: 1

PARAMETER	SPIKE	MEASURED	UNITS	PERCENT	RPD	METHOD
	AMOUNT	AMOUNT		RECOVERY		
o-Cresol	0.080	0.068	mg/L	85		SW846 8270C
	0.080	0.072	mg/L	90	6.0	SW846 8270C
m-Cresol & p-Cresol	0.16	0.12	mg/L	72		SW846 8270C
	0.16	0.13	mg/L	81	11	SW846 8270C
1,4-Dichlorobenzene	0.080	0.048	mg/L	59		SW846 8270C
	0.080	0.047	mg/L	59	1.1	SW846 8270C
2,4-Dinitrotoluene	0.080	0.076	mg/L	95		SW846 8270C
	0.080	0.078	mg/L	98	2.3	SW846 8270C
Hexachlorobenzene	0.080	0.060	mg/L	75		SW846 8270C
	0.080	0.068	mg/L	85	13	SW846 8270C
Hexachlorobutadiene	0.080	0.052	mg/L	66		SW846 8270C
	0.080	0.053	mg/L	66	0.19	SW846 8270C
Hexachloroethane	0.080	0.052	mg/L	65		SW846 8270C
	0.080	0.052	mg/L	65	1.1	SW846 8270C
Nitrobenzene	0.080	0.079	mg/L	99		SW846 8270C
	0.080	0.086	mg/L	107	8.1	SW846 8270C
Pentachlorophenol	0.080	0.054	mg/L	68		SW846 8270C
	0.080	0.056	mg/L	71	4.3	SW846 8270C
Pyridine	0.080	0.046	mg/L	57		SW846 8270C
	0.080	0.047	mg/L	59	2.6	SW846 8270C
2,4,5-Trichloro-phenol	0.080	0.062	mg/L	77		SW846 8270C
	0.080	0.069	mg/L	87	12	SW846 8270C
2,4,6-Trichloro-phenol	0.080	0.067	mg/L	83		SW846 8270C
	0.080	0.068	mg/L	85	2.0	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	99	(27 - 110)
	109	(27 - 110)
2-Fluorobiphenyl	73	(20 - 110)
	79	(20 - 110)
Terphenyl-d14	92	(44 - 110)
	99	(44 - 110)
Phenol-d5	56	(10 - 110)
	44	(10 - 110)
2-Fluorophenol	58	(10 - 110)

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> A7G160000-050 <b>Prep Batch #...:</b> 7197050					
Mercury	112	(81 - 116)	SW846 7471A	07/16/07	J2X1C1A3
		Dilution Factor: 1			
Aluminum	90	(80 - 120)	SW846 6010B	07/16/07	J2X1C1A4
		Dilution Factor: 1			
Barium	96	(80 - 120)	SW846 6010B	07/16/07	J2X1C1A5
		Dilution Factor: 1			
Beryllium	96	(80 - 120)	SW846 6010B	07/16/07	J2X1C1A6
		Dilution Factor: 1			
Cadmium	92	(80 - 120)	SW846 6010B	07/16/07	J2X1C1A7
		Dilution Factor: 1			
Calcium	93	(80 - 120)	SW846 6010B	07/16/07	J2X1C1A8
		Dilution Factor: 1			
Cobalt	93	(80 - 120)	SW846 6010B	07/16/07	J2X1C1A9
		Dilution Factor: 1			
Copper	94	(80 - 120)	SW846 6010B	07/16/07	J2X1C1CA
		Dilution Factor: 1			
Iron	99	(73 - 137)	SW846 6010B	07/16/07	J2X1C1CC
		Dilution Factor: 1			
Magnesium	90	(80 - 120)	SW846 6010B	07/16/07	J2X1C1CD
		Dilution Factor: 1			
Manganese	102	(80 - 120)	SW846 6010B	07/16/07	J2X1C1CE
		Dilution Factor: 1			
Nickel	94	(80 - 120)	SW846 6010B	07/16/07	J2X1C1CF
		Dilution Factor: 1			
Potassium	93	(80 - 120)	SW846 6010B	07/16/07	J2X1C1CG
		Dilution Factor: 1			
Sodium	93	(80 - 120)	SW846 6010B	07/16/07	J2X1C1CH
		Dilution Factor: 1			

(Continued on next page)

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Vanadium	93	(80 - 120)	SW846 6010B Dilution Factor: 1	07/16/07	J2X1C1CJ
Chromium	93	(80 - 120)	SW846 6010B Dilution Factor: 1	07/16/07	J2X1C1CK
Lead	93	(80 - 120)	SW846 6010B Dilution Factor: 1	07/16/07	J2X1C1CL
Antimony	94	(75 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X1C1CM
Arsenic	90	(74 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X1C1CN
Selenium	89	(73 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X1C1CP
Silver	87	(71 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X1C1CQ
Thallium	87	(75 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X1C1CR
Zinc	91	(73 - 114)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X1C1CT
<b>LCS Lot-Sample#:</b> A7G160000-070 <b>Prep Batch #...:</b> 7197070					
Arsenic	90	(74 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X2A1A3
Selenium	89	(73 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X2A1A4
Silver	89	(71 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X2A1A5
Thallium	93	(75 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X2A1A6
Zinc	92	(73 - 114)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X2A1A7

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Mercury	114	(81 - 116)	SW846 7471A	07/16/07	J2X2A1A8
		Dilution Factor: 1			
Aluminum	94	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1A9
		Dilution Factor: 1			
Barium	95	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CA
		Dilution Factor: 1			
Beryllium	95	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CC
		Dilution Factor: 1			
Cadmium	95	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CD
		Dilution Factor: 1			
Calcium	95	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CE
		Dilution Factor: 1			
Cobalt	96	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CF
		Dilution Factor: 1			
Copper	93	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CG
		Dilution Factor: 1			
Iron	100	(73 - 137)	SW846 6010B	07/16-07/17/07	J2X2A1CH
		Dilution Factor: 1			
Magnesium	94	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CJ
		Dilution Factor: 1			
Manganese	97	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CK
		Dilution Factor: 1			
Nickel	99	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CL
		Dilution Factor: 1			
Potassium	97	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CM
		Dilution Factor: 1			
Sodium	92	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CN
		Dilution Factor: 1			
Vanadium	94	(80 - 120)	SW846 6010B	07/16-07/17/07	J2X2A1CP
		Dilution Factor: 1			

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Chromium	95	(80 - 120)	SW846 6010B Dilution Factor: 1	07/16-07/17/07	J2X2A1CQ
Lead	96	(80 - 120)	SW846 6010B Dilution Factor: 1	07/16-07/17/07	J2X2A1CR
Antimony	91	(75 - 110)	SW846 6020 Dilution Factor: 1	07/16-07/18/07	J2X2A1CT
<b>LCS Lot-Sample#:</b> A7G180000-022 <b>Prep Batch #...:</b> 7199022					
Arsenic	85	(74 - 110)	SW846 6020 Dilution Factor: 1	07/18/07	J23JL1A3
Selenium	84	(73 - 110)	SW846 6020 Dilution Factor: 1	07/18/07	J23JL1A4
Silver	84	(71 - 110)	SW846 6020 Dilution Factor: 1	07/18/07	J23JL1A5
Thallium	88	(75 - 110)	SW846 6020 Dilution Factor: 1	07/18/07	J23JL1A6
Zinc	90	(73 - 114)	SW846 6020 Dilution Factor: 1	07/18/07	J23JL1A7
Mercury	100	(81 - 116)	SW846 7471A Dilution Factor: 1	07/18/07	J23JL1A8
Aluminum	90	(80 - 120)	SW846 6010B Dilution Factor: 1	07/18-07/19/07	J23JL1A9
Barium	91	(80 - 120)	SW846 6010B Dilution Factor: 1	07/18-07/19/07	J23JL1CA
Beryllium	89	(80 - 120)	SW846 6010B Dilution Factor: 1	07/18-07/19/07	J23JL1CC
Cadmium	90	(80 - 120)	SW846 6010B Dilution Factor: 1	07/18-07/19/07	J23JL1CD
Calcium	92	(80 - 120)	SW846 6010B Dilution Factor: 1	07/18-07/19/07	J23JL1CE

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Cobalt	90	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CF
		Dilution Factor: 1			
Copper	89	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CG
		Dilution Factor: 1			
Iron	93	(73 - 137)	SW846 6010B	07/18-07/19/07	J23JL1CH
		Dilution Factor: 1			
Magnesium	90	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CJ
		Dilution Factor: 1			
Manganese	91	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CK
		Dilution Factor: 1			
Nickel	93	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CL
		Dilution Factor: 1			
Potassium	96	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CM
		Dilution Factor: 1			
Sodium	88	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CN
		Dilution Factor: 1			
Vanadium	88	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CP
		Dilution Factor: 1			
Chromium	90	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CQ
		Dilution Factor: 1			
Lead	89	(80 - 120)	SW846 6010B	07/18-07/19/07	J23JL1CR
		Dilution Factor: 1			
Antimony	89	(75 - 110)	SW846 6020	07/18/07	J23JL1CT
		Dilution Factor: 1			

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Client Lot #...**: A7G120192

**Matrix.....**: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>	
<b>LCS Lot-Sample#</b> : A7G160000-050 <b>Prep Batch #...</b> : 7197050								
Mercury	0.83	0.93	mg/kg	112	SW846 7471A	07/16/07	J2X1C1A3	
			Dilution Factor: 1					
Aluminum	200	180	mg/kg	90	SW846 6010B	07/16/07	J2X1C1A4	
			Dilution Factor: 1					
Barium	200	193	mg/kg	96	SW846 6010B	07/16/07	J2X1C1A5	
			Dilution Factor: 1					
Beryllium	5.0	4.8	mg/kg	96	SW846 6010B	07/16/07	J2X1C1A6	
			Dilution Factor: 1					
Cadmium	5.0	4.6	mg/kg	92	SW846 6010B	07/16/07	J2X1C1A7	
			Dilution Factor: 1					
Calcium	5000	4670	mg/kg	93	SW846 6010B	07/16/07	J2X1C1A8	
			Dilution Factor: 1					
Cobalt	50.0	46.6	mg/kg	93	SW846 6010B	07/16/07	J2X1C1A9	
			Dilution Factor: 1					
Copper	25.0	23.6	mg/kg	94	SW846 6010B	07/16/07	J2X1C1CA	
			Dilution Factor: 1					
Iron	100	98.7	mg/kg	99	SW846 6010B	07/16/07	J2X1C1CC	
			Dilution Factor: 1					
Magnesium	5000	4510	mg/kg	90	SW846 6010B	07/16/07	J2X1C1CD	
			Dilution Factor: 1					
Manganese	50.0	51.0	mg/kg	102	SW846 6010B	07/16/07	J2X1C1CE	
			Dilution Factor: 1					
Nickel	50.0	47.1	mg/kg	94	SW846 6010B	07/16/07	J2X1C1CF	
			Dilution Factor: 1					
Potassium	5000	4640	mg/kg	93	SW846 6010B	07/16/07	J2X1C1CG	
			Dilution Factor: 1					
Sodium	5000	4640	mg/kg	93	SW846 6010B	07/16/07	J2X1C1CH	
			Dilution Factor: 1					

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**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Client Lot #...**: A7G120192

**Matrix.....**: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>	
Vanadium	50.0	46.6	mg/kg	93	SW846 6010B	07/16/07	J2X1C1CJ	
			Dilution Factor: 1					
Chromium	20.0	18.7	mg/kg	93	SW846 6010B	07/16/07	J2X1C1CK	
			Dilution Factor: 1					
Lead	50.0	46.3	mg/kg	93	SW846 6010B	07/16/07	J2X1C1CL	
			Dilution Factor: 1					
Antimony	10.0	9.4	mg/kg	94	SW846 6020	07/16-07/18/07	J2X1C1CM	
			Dilution Factor: 1					
Arsenic	10.0	9.0	mg/kg	90	SW846 6020	07/16-07/18/07	J2X1C1CN	
			Dilution Factor: 1					
Selenium	10.0	8.9	mg/kg	89	SW846 6020	07/16-07/18/07	J2X1C1CP	
			Dilution Factor: 1					
Silver	10.0	8.7	mg/kg	87	SW846 6020	07/16-07/18/07	J2X1C1CQ	
			Dilution Factor: 1					
Thallium	10.0	8.7	mg/kg	87	SW846 6020	07/16-07/18/07	J2X1C1CR	
			Dilution Factor: 1					
Zinc	10.0	9.1	mg/kg	91	SW846 6020	07/16-07/18/07	J2X1C1CT	
			Dilution Factor: 1					

**LCS Lot-Sample#:** A7G160000-070 **Prep Batch #...**: 7197070

Arsenic	10.0	9.0	mg/kg	90	SW846 6020	07/16-07/18/07	J2X2A1A3	
			Dilution Factor: 1					
Selenium	10.0	8.9	mg/kg	89	SW846 6020	07/16-07/18/07	J2X2A1A4	
			Dilution Factor: 1					
Silver	10.0	8.9	mg/kg	89	SW846 6020	07/16-07/18/07	J2X2A1A5	
			Dilution Factor: 1					
Thallium	10.0	9.3	mg/kg	93	SW846 6020	07/16-07/18/07	J2X2A1A6	
			Dilution Factor: 1					
Zinc	10.0	9.2	mg/kg	92	SW846 6020	07/16-07/18/07	J2X2A1A7	
			Dilution Factor: 1					

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**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>	
Mercury	0.83	0.95	mg/kg	114	SW846 7471A	07/16/07	J2X2A1A8	
			Dilution Factor: 1					
Aluminum	200	188	mg/kg	94	SW846 6010B	07/16-07/17/07	J2X2A1A9	
			Dilution Factor: 1					
Barium	200	190	mg/kg	95	SW846 6010B	07/16-07/17/07	J2X2A1CA	
			Dilution Factor: 1					
Beryllium	5.0	4.8	mg/kg	95	SW846 6010B	07/16-07/17/07	J2X2A1CC	
			Dilution Factor: 1					
Cadmium	5.0	4.8	mg/kg	95	SW846 6010B	07/16-07/17/07	J2X2A1CD	
			Dilution Factor: 1					
Calcium	5000	4770	mg/kg	95	SW846 6010B	07/16-07/17/07	J2X2A1CE	
			Dilution Factor: 1					
Cobalt	50.0	48.0	mg/kg	96	SW846 6010B	07/16-07/17/07	J2X2A1CF	
			Dilution Factor: 1					
Copper	25.0	23.3	mg/kg	93	SW846 6010B	07/16-07/17/07	J2X2A1CG	
			Dilution Factor: 1					
Iron	100	99.9	mg/kg	100	SW846 6010B	07/16-07/17/07	J2X2A1CH	
			Dilution Factor: 1					
Magnesium	5000	4700	mg/kg	94	SW846 6010B	07/16-07/17/07	J2X2A1CJ	
			Dilution Factor: 1					
Manganese	50.0	48.4	mg/kg	97	SW846 6010B	07/16-07/17/07	J2X2A1CK	
			Dilution Factor: 1					
Nickel	50.0	49.4	mg/kg	99	SW846 6010B	07/16-07/17/07	J2X2A1CL	
			Dilution Factor: 1					
Potassium	5000	4830	mg/kg	97	SW846 6010B	07/16-07/17/07	J2X2A1CM	
			Dilution Factor: 1					
Sodium	5000	4600	mg/kg	92	SW846 6010B	07/16-07/17/07	J2X2A1CN	
			Dilution Factor: 1					
Vanadium	50.0	47.2	mg/kg	94	SW846 6010B	07/16-07/17/07	J2X2A1CP	
			Dilution Factor: 1					

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**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Client Lot #...**: A7G120192

**Matrix.....**: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>	
Chromium	20.0	19.1	mg/kg	95	SW846 6010B	07/16-07/17/07	J2X2A1CQ	
			Dilution Factor: 1					
Lead	50.0	47.8	mg/kg	96	SW846 6010B	07/16-07/17/07	J2X2A1CR	
			Dilution Factor: 1					
Antimony	10.0	9.1	mg/kg	91	SW846 6020	07/16-07/18/07	J2X2A1CT	
			Dilution Factor: 1					
<b>LCS Lot-Sample#</b> : A7G180000-022 <b>Prep Batch #...</b> : 7199022								
Arsenic	10.0	8.5	mg/kg	85	SW846 6020	07/18/07	J23JL1A3	
			Dilution Factor: 1					
Selenium	10.0	8.4	mg/kg	84	SW846 6020	07/18/07	J23JL1A4	
			Dilution Factor: 1					
Silver	10.0	8.4	mg/kg	84	SW846 6020	07/18/07	J23JL1A5	
			Dilution Factor: 1					
Thallium	10.0	8.8	mg/kg	88	SW846 6020	07/18/07	J23JL1A6	
			Dilution Factor: 1					
Zinc	10.0	9.0	mg/kg	90	SW846 6020	07/18/07	J23JL1A7	
			Dilution Factor: 1					
Mercury	0.83	0.84	mg/kg	100	SW846 7471A	07/18/07	J23JL1A8	
			Dilution Factor: 1					
Aluminum	200	180	mg/kg	90	SW846 6010B	07/18-07/19/07	J23JL1A9	
			Dilution Factor: 1					
Barium	200	182	mg/kg	91	SW846 6010B	07/18-07/19/07	J23JL1CA	
			Dilution Factor: 1					
Beryllium	5.0	4.5	mg/kg	89	SW846 6010B	07/18-07/19/07	J23JL1CC	
			Dilution Factor: 1					
Cadmium	5.0	4.5	mg/kg	90	SW846 6010B	07/18-07/19/07	J23JL1CD	
			Dilution Factor: 1					
Calcium	5000	4580	mg/kg	92	SW846 6010B	07/18-07/19/07	J23JL1CE	
			Dilution Factor: 1					

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**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

**Client Lot #...**: A7G120192

**Matrix.....**: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Cobalt	50.0	44.9	mg/kg	90	SW846 6010B	07/18-07/19/07	J23JL1CF
			Dilution Factor: 1				
Copper	25.0	22.2	mg/kg	89	SW846 6010B	07/18-07/19/07	J23JL1CG
			Dilution Factor: 1				
Iron	100	92.7	mg/kg	93	SW846 6010B	07/18-07/19/07	J23JL1CH
			Dilution Factor: 1				
Magnesium	5000	4490	mg/kg	90	SW846 6010B	07/18-07/19/07	J23JL1CJ
			Dilution Factor: 1				
Manganese	50.0	45.5	mg/kg	91	SW846 6010B	07/18-07/19/07	J23JL1CK
			Dilution Factor: 1				
Nickel	50.0	46.4	mg/kg	93	SW846 6010B	07/18-07/19/07	J23JL1CL
			Dilution Factor: 1				
Potassium	5000	4790	mg/kg	96	SW846 6010B	07/18-07/19/07	J23JL1CM
			Dilution Factor: 1				
Sodium	5000	4410	mg/kg	88	SW846 6010B	07/18-07/19/07	J23JL1CN
			Dilution Factor: 1				
Vanadium	50.0	44.1	mg/kg	88	SW846 6010B	07/18-07/19/07	J23JL1CP
			Dilution Factor: 1				
Chromium	20.0	17.9	mg/kg	90	SW846 6010B	07/18-07/19/07	J23JL1CQ
			Dilution Factor: 1				
Lead	50.0	44.3	mg/kg	89	SW846 6010B	07/18-07/19/07	J23JL1CR
			Dilution Factor: 1				
Antimony	10.0	8.9	mg/kg	89	SW846 6020	07/18/07	J23JL1CT
			Dilution Factor: 1				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TCLP Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> A7G190000-015 <b>Prep Batch #...:</b> 7200015					
Arsenic	102	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AL
		Dilution Factor: 1			
Barium	106	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AM
		Dilution Factor: 1			
Cadmium	107	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AN
		Dilution Factor: 1			
Chromium	107	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AP
		Dilution Factor: 1			
Lead	105	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AQ
		Dilution Factor: 1			
Selenium	102	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AR
		Dilution Factor: 1			
Silver	116	(50 - 150)	SW846 6010B	07/19-07/20/07	J24MJ1AT
		Dilution Factor: 1			
Mercury	102	(50 - 150)	SW846 7470A	07/19-07/20/07	J24MJ1AK
		Dilution Factor: 1			

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TCLP Metals**

**Client Lot #...**: A7G120192

**Matrix.....**: WATER

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>	
<b>LCS Lot-Sample#:</b> A7G190000-015 <b>Prep Batch #...</b> : 7200015								
Arsenic	2.0	2.0	mg/L	102	SW846 6010B	07/19-07/20/07	J24MJ1AL	
			Dilution Factor: 1					
Barium	2.0	2.1	mg/L	106	SW846 6010B	07/19-07/20/07	J24MJ1AM	
			Dilution Factor: 1					
Cadmium	0.050	0.053	mg/L	107	SW846 6010B	07/19-07/20/07	J24MJ1AN	
			Dilution Factor: 1					
Chromium	0.20	0.21	mg/L	107	SW846 6010B	07/19-07/20/07	J24MJ1AP	
			Dilution Factor: 1					
Lead	0.50	0.52	mg/L	105	SW846 6010B	07/19-07/20/07	J24MJ1AQ	
			Dilution Factor: 1					
Selenium	2.0	2.0	mg/L	102	SW846 6010B	07/19-07/20/07	J24MJ1AR	
			Dilution Factor: 1					
Silver	0.050	0.058	mg/L	116	SW846 6010B	07/19-07/20/07	J24MJ1AT	
			Dilution Factor: 1					
Mercury	0.0050	0.0051	mg/L	102	SW846 7470A	07/19-07/20/07	J24MJ1AK	
			Dilution Factor: 1					

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TCLP Metals**

**Client Lot #...:** A7G120192

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> A7G190000-065 <b>Prep Batch #...:</b> 7200065					
Mercury	94	(50 - 150)	SW846 7470A	07/19-07/20/07	J24V91AK
		Dilution Factor: 1			
Arsenic	102	(50 - 150)	SW846 6010B	07/19/07	J24V91AL
		Dilution Factor: 1			
Barium	106	(50 - 150)	SW846 6010B	07/19/07	J24V91AM
		Dilution Factor: 1			
Cadmium	106	(50 - 150)	SW846 6010B	07/19/07	J24V91AN
		Dilution Factor: 1			
Chromium	107	(50 - 150)	SW846 6010B	07/19/07	J24V91AP
		Dilution Factor: 1			
Lead	104	(50 - 150)	SW846 6010B	07/19/07	J24V91AQ
		Dilution Factor: 1			
Selenium	103	(50 - 150)	SW846 6010B	07/19/07	J24V91AR
		Dilution Factor: 1			
Silver	117	(50 - 150)	SW846 6010B	07/19/07	J24V91AT
		Dilution Factor: 1			

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TCLP Metals**

**Client Lot #...**: A7G120192

**Matrix.....**: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>	
<b>LCS Lot-Sample#</b> : A7G190000-065 <b>Prep Batch #...</b> : 7200065								
Mercury	0.0050	0.0047	mg/L	94	SW846 7470A	07/19-07/20/07	J24V91AK	
			Dilution Factor: 1					
Arsenic	2.0	2.0	mg/L	102	SW846 6010B	07/19/07	J24V91AL	
			Dilution Factor: 1					
Barium	2.0	2.1	mg/L	106	SW846 6010B	07/19/07	J24V91AM	
			Dilution Factor: 1					
Cadmium	0.050	0.053	mg/L	106	SW846 6010B	07/19/07	J24V91AN	
			Dilution Factor: 1					
Chromium	0.20	0.21	mg/L	107	SW846 6010B	07/19/07	J24V91AP	
			Dilution Factor: 1					
Lead	0.50	0.52	mg/L	104	SW846 6010B	07/19/07	J24V91AQ	
			Dilution Factor: 1					
Selenium	2.0	2.1	mg/L	103	SW846 6010B	07/19/07	J24V91AR	
			Dilution Factor: 1					
Silver	0.050	0.059	mg/L	117	SW846 6010B	07/19/07	J24V91AT	
			Dilution Factor: 1					

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: A7G120192

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Corrosivity	101	(97 - 103)	Work Order #: J2RNC1AA SW846 9045A	LCS Lot-Sample#: A7G120000-545 07/12-07/13/07	7193545
			Dilution Factor: 1		
Reactive Cyanide	175	(10 - 200)	Work Order #: J3EA71AC SW846 7.3.3	LCS Lot-Sample#: A7G230000-350 07/23/07	7204350
			Dilution Factor: 1		
Reactive Sulfide	138	(10 - 200)	Work Order #: J3EA81AC SW846 7.3.4	LCS Lot-Sample#: A7G230000-351 07/23/07	7204351
			Dilution Factor: 1		

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE DATA REPORT**

**General Chemistry**

**Client Lot #...**: A7G120192

**Matrix.....**: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Corrosivity	5.3	5.3	No Units	101	SW846 9045A	07/12-07/13/07	7193545
Work Order #: J2RNC1AA LCS Lot-Sample#: A7G120000-545 Dilution Factor: 1							
Reactive Cyanide	100	180	mg/kg	175	SW846 7.3.3	07/23/07	7204350
Work Order #: J3EA71AC LCS Lot-Sample#: A7G230000-350 Dilution Factor: 1							
Reactive Sulfide	250	350	mg/kg	138	SW846 7.3.4	07/23/07	7204351
Work Order #: J3EA81AC LCS Lot-Sample#: A7G230000-351 Dilution Factor: 1							

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**General Chemistry**

**Lot-Sample #...**: A7G120192

**Matrix.....**: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Flashpoint		WO#:J3K0G1AA-LCS/J3K0G1AC-LCSD			LCS	Lot-Sample#: C7G260000-148	
	100	(96 - 103)			SW846 1010	07/26/07	7207148
	103	(96 - 103)	2.4	(0-10)	SW846 1010	07/26/07	7207148
		Dilution Factor: 1					

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: A7G120192

Matrix.....: WATER

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCNT</u> <u>RECVRY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Flashpoint								
			WO#:J3K0G1AA-LCS/J3K0G1AC-LCSD LCS Lot-Sample#: C7G260000-148					
	81	81	deg F	100		SW846 1010	07/26/07	7207148
	81	83	deg F	103	2.4	SW846 1010	07/26/07	7207148
			Dilution Factor: 1					

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7G120192

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Corrosivity	101	(97 - 103)	SW846 9045A	07/12/07	7193546

Work Order #: J2RNG1AA LCS Lot-Sample#: A7G120000-546  
Dilution Factor: 1

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A7G120192

Matrix.....: WATER

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCNT</u> <u>RECVRY</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Corrosivity	5.3	5.3	No Units	101	SW846 9045A	07/12/07	7193546

Work Order #: J2RNG1AA LCS Lot-Sample#: A7G120000-546  
Dilution Factor: 1

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7G120192      Work Order #...: J2PKK1A4-MS      Matrix.....: SOLID  
 MS Lot-Sample #: A7G120118-001      J2PKK1A5-MSD  
 Date Sampled...: 07/11/07 10:10      Date Received...: 07/11/07  
 Leach Date.....: 07/23/07      Prep Date.....: 07/24/07      Analysis Date...: 07/24/07  
 Leach Batch #...: P720417      Prep Batch #...: 7205474  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
<b>Benzene</b>	<b>98</b>	<b>(76 - 117)</b>			<b>SW846 8260B</b>
	<b>97</b>	<b>(76 - 117)</b>	<b>0.45</b>	<b>(0-30)</b>	<b>SW846 8260B</b>
Carbon tetrachloride	72	(72 - 124)			SW846 8260B
	69 a	(72 - 124)	3.8	(0-30)	SW846 8260B
<b>Chlorobenzene</b>	<b>103</b>	<b>(72 - 114)</b>			<b>SW846 8260B</b>
	<b>104</b>	<b>(72 - 114)</b>	<b>0.70</b>	<b>(0-30)</b>	<b>SW846 8260B</b>
Chloroform	109	(82 - 117)			SW846 8260B
	105	(82 - 117)	3.2	(0-30)	SW846 8260B
1,2-Dichloroethane	107	(80 - 120)			SW846 8260B
	105	(80 - 120)	1.4	(0-30)	SW846 8260B
<b>1,1-Dichloroethylene</b>	<b>112</b>	<b>(67 - 129)</b>			<b>SW846 8260B</b>
	<b>109</b>	<b>(67 - 129)</b>	<b>2.4</b>	<b>(0-30)</b>	<b>SW846 8260B</b>
Methyl ethyl ketone	87	(37 - 110)			SW846 8260B
	73	(37 - 110)	17	(0-30)	SW846 8260B
Tetrachloroethylene	102	(60 - 119)			SW846 8260B
	99	(60 - 119)	2.6	(0-30)	SW846 8260B
<b>Trichloroethylene</b>	<b>111</b>	<b>(72 - 121)</b>			<b>SW846 8260B</b>
	<b>110</b>	<b>(72 - 121)</b>	<b>0.45</b>	<b>(0-30)</b>	<b>SW846 8260B</b>
Vinyl chloride	94	(54 - 118)			SW846 8260B
	91	(54 - 118)	3.0	(0-30)	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	108	(86 - 125)
	112	(86 - 125)
1,2-Dichloroethane-d4	104	(80 - 122)
	102	(80 - 122)
Toluene-d8	103	(90 - 122)
	108	(90 - 122)
4-Bromofluorobenzene	109	(84 - 125)
	109	(84 - 125)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7G120192      Work Order #...: J2PKK1A4-MS      Matrix.....: SOLID  
 MS Lot-Sample #: A7G120118-001      J2PKK1A5-MSD  
 Date Sampled...: 07/11/07 10:10      Date Received...: 07/11/07  
 Leach Date.....: 07/23/07      Prep Date.....: 07/24/07      Analysis Date...: 07/24/07  
 Leach Batch #...: P720417      Prep Batch #...: 7205474  
 Dilution Factor: 1

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
<b>Benzene</b>	<b>ND</b>	<b>1.0</b>	<b>0.98</b>	<b>mg/L</b>	<b>98</b>		<b>SW846 8260B</b>
	<b>ND</b>	<b>1.0</b>	<b>0.97</b>	<b>mg/L</b>	<b>97</b>	<b>0.45</b>	<b>SW846 8260B</b>
Carbon tetrachloride	ND	1.0	0.72	mg/L	72		SW846 8260B
	ND	1.0	0.69	mg/L	69 a	3.8	SW846 8260B
<b>Chlorobenzene</b>	<b>ND</b>	<b>1.0</b>	<b>1.0</b>	<b>mg/L</b>	<b>103</b>		<b>SW846 8260B</b>
	<b>ND</b>	<b>1.0</b>	<b>1.0</b>	<b>mg/L</b>	<b>104</b>	<b>0.70</b>	<b>SW846 8260B</b>
Chloroform	ND	1.0	1.1	mg/L	109		SW846 8260B
	ND	1.0	1.1	mg/L	105	3.2	SW846 8260B
1,2-Dichloroethane	ND	1.0	1.1	mg/L	107		SW846 8260B
	ND	1.0	1.1	mg/L	105	1.4	SW846 8260B
<b>1,1-Dichloroethylene</b>	<b>ND</b>	<b>1.0</b>	<b>1.1</b>	<b>mg/L</b>	<b>112</b>		<b>SW846 8260B</b>
	<b>ND</b>	<b>1.0</b>	<b>1.1</b>	<b>mg/L</b>	<b>109</b>	<b>2.4</b>	<b>SW846 8260B</b>
Methyl ethyl ketone	ND	1.0	0.87	mg/L	87		SW846 8260B
	ND	1.0	0.73	mg/L	73	17	SW846 8260B
Tetrachloroethylene	ND	1.0	1.0	mg/L	102		SW846 8260B
	ND	1.0	0.99	mg/L	99	2.6	SW846 8260B
<b>Trichloroethylene</b>	<b>ND</b>	<b>1.0</b>	<b>1.1</b>	<b>mg/L</b>	<b>111</b>		<b>SW846 8260B</b>
	<b>ND</b>	<b>1.0</b>	<b>1.1</b>	<b>mg/L</b>	<b>110</b>	<b>0.45</b>	<b>SW846 8260B</b>
Vinyl chloride	ND	1.0	0.94	mg/L	94		SW846 8260B
	ND	1.0	0.91	mg/L	91	3.0	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	108	(86 - 125)
	112	(86 - 125)
1,2-Dichloroethane-d4	104	(80 - 122)
	102	(80 - 122)
Toluene-d8	103	(90 - 122)
	108	(90 - 122)
4-Bromofluorobenzene	109	(84 - 125)
	109	(84 - 125)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2P691A5-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-001      J2P691A6-MSD  
 Date Sampled...: 07/10/07 08:35      Date Received...: 07/11/07  
 Prep Date.....: 07/12/07      Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 25

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>0.0 DIL,a</b>	<b>(10 - 200)</b>			<b>SW846 8270C</b>
	<b>0.0 DIL,a</b>	<b>(10 - 200)</b>	<b>0.0</b>	<b>(0-30)</b>	<b>SW846 8270C</b>
Acenaphthylene	0.0 DIL,a	(10 - 200)			SW846 8270C
	0.0 DIL,a	(10 - 200)	0.0	(0-30)	SW846 8270C
Anthracene	127 DIL	(10 - 200)			SW846 8270C
	121 DIL	(10 - 200)	4.6	(0-30)	SW846 8270C
Benzo(a)anthracene	61 DIL	(10 - 200)			SW846 8270C
	40 DIL	(10 - 200)	13	(0-30)	SW846 8270C
Benzo(a)pyrene	144 DIL	(10 - 200)			SW846 8270C
	125 DIL	(10 - 200)	14	(0-30)	SW846 8270C
Benzo(b)fluoranthene	24 DIL	(10 - 200)			SW846 8270C
	0.0 DIL,a	(10 - 200)	0.0	(0-30)	SW846 8270C
Benzo(ghi)perylene	8.4 DIL,a	(10 - 200)			SW846 8270C
	0.0 DIL,a	(10 - 200)	0.0	(0-30)	SW846 8270C
Benzo(k)fluoranthene	0.0 DIL,a	(10 - 200)			SW846 8270C
	189 DIL,p	(10 - 200)	200	(0-30)	SW846 8270C
Chrysene	2.8 DIL,a	(10 - 200)			SW846 8270C
	0.0 DIL,a	(10 - 200)	0.0	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	105 DIL	(10 - 200)			SW846 8270C
	121 DIL	(10 - 200)	15	(0-30)	SW846 8270C
Fluoranthene	30 DIL	(10 - 200)			SW846 8270C
	3.9 DIL,a	(10 - 200)	12	(0-30)	SW846 8270C
Fluorene	101 DIL	(10 - 187)			SW846 8270C
	0.0	(10 - 187)	200	(0-30)	SW846 8270C
	Qualifiers: DIL,a,p				
Indeno(1,2,3-cd)pyrene	53 DIL	(10 - 200)			SW846 8270C
	14 DIL	(10 - 200)	29	(0-30)	SW846 8270C
2-Methylnaphthalene	112 DIL	(10 - 200)			SW846 8270C
	118 DIL	(10 - 200)	4.5	(0-30)	SW846 8270C
Naphthalene	0.0 DIL,a	(10 - 200)			SW846 8270C
	111 DIL,p	(10 - 200)	200	(0-30)	SW846 8270C
Phenanthrene	160 DIL	(10 - 200)			SW846 8270C
	172 DIL	(10 - 200)	7.2	(0-30)	SW846 8270C
<b>Pyrene</b>	<b>28 DIL</b>	<b>(10 - 200)</b>			<b>SW846 8270C</b>
	<b>40 DIL</b>	<b>(10 - 200)</b>	<b>7.4</b>	<b>(0-30)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	0.0	(24 - 112)
	Qualifiers: DIL,*	
	0.0	(24 - 112)
	Qualifiers: DIL,*	

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2P691A5-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-001      J2P691A6-MSD  
 Date Sampled...: 07/10/07 08:35      Date Received...: 07/11/07  
 Prep Date.....: 07/12/07      Analysis Date...: 07/23/07  
 Prep Batch #...: 7193343  
 Dilution Factor: 25

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Acenaphthene	ND	760	0.0	ug/kg	0.0		SW846 8270C
		Qualifiers: DIL,a					
Acenaphthylene	ND	760	0.0	ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: DIL,a					
Anthracene	ND	760	970	ug/kg	127		SW846 8270C
		Qualifiers: DIL					
Benzo(a)anthracene	ND	760	1300	ug/kg	61	DIL	SW846 8270C
	ND	760	1200	ug/kg	40	DIL 13	SW846 8270C
Benzo(a)pyrene	ND	760	1100	ug/kg	144		SW846 8270C
		Qualifiers: DIL					
Benzo(b)fluoranthene	ND	760	950	ug/kg	125	14	SW846 8270C
		Qualifiers: DIL					
Benzo(ghi)perylene	ND	760	1600	ug/kg	24	DIL	SW846 8270C
	ND	760	1400	ug/kg	0.0	0.0	SW846 8270C
	Qualifiers: DIL,a						
Benzo(k)fluoranthene	ND	760	1300	ug/kg	8.4		SW846 8270C
		Qualifiers: DIL,a					
Chrysene	ND	760	990	ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: DIL,a					
Dibenz(a,h)anthracene	ND	760	0.0	ug/kg	0.0		SW846 8270C
	ND	760	1400	ug/kg	189	200	SW846 8270C
	Qualifiers: DIL,p						
Fluoranthene	ND	760	1700	ug/kg	2.8		SW846 8270C
		Qualifiers: DIL,a					
Fluoranthene	ND	760	1600	ug/kg	0.0	0.0	SW846 8270C
	ND	760	1800	ug/kg	30	DIL	SW846 8270C
		760	1600	ug/kg	3.9	12	SW846 8270C
	Qualifiers: DIL,a						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2P691A5-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-001      J2P691A6-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Fluorene	ND	760	770	ug/kg	101		SW846 8270C
		Qualifiers: DIL					
	ND	760	0.0	ug/kg	0.0	200	SW846 8270C
		Qualifiers: DIL,a,p					
Indeno(1,2,3-cd)pyrene	ND	760	1200	ug/kg	53	DIL	SW846 8270C
	ND	760	870	ug/kg	14	DIL 29	SW846 8270C
2-Methylnaphthalene	ND	760	860	ug/kg	112		SW846 8270C
		Qualifiers: DIL					
	ND	760	890	ug/kg	118	4.5	SW846 8270C
		Qualifiers: DIL					
Naphthalene	ND	760	0.0	ug/kg	0.0		SW846 8270C
		Qualifiers: DIL,a					
	ND	760	850	ug/kg	111	200	SW846 8270C
		Qualifiers: DIL,p					
Phenanthrene	ND	760	1200	ug/kg	160		SW846 8270C
		Qualifiers: DIL					
	ND	760	1300	ug/kg	172	7.2	SW846 8270C
		Qualifiers: DIL					
<b>Pyrene</b>	<b>ND</b>	<b>760</b>	<b>1200</b>	<b>ug/kg</b>	<b>28</b>	<b>DIL</b>	<b>SW846 8270C</b>
	<b>ND</b>	<b>760</b>	<b>1300</b>	<b>ug/kg</b>	<b>40</b>	<b>DIL 7.4</b>	<b>SW846 8270C</b>

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	0.0	(24 - 112)
	Qualifiers: DIL,*	
	0.0	(24 - 112)
	Qualifiers: DIL,*	
2-Fluorobiphenyl	0.0	(34 - 110)
	Qualifiers: DIL,*	
	103 DIL	(34 - 110)
Terphenyl-d14	0.0	(41 - 119)
	Qualifiers: DIL,*	
	116 DIL	(41 - 119)
Phenol-d5	76 DIL	(28 - 110)
	86 DIL	(28 - 110)
2-Fluorophenol	68 DIL	(26 - 110)
	88 DIL	(26 - 110)
2,4,6-Tribromophenol	85 DIL	(10 - 118)
	0.0	(10 - 118)
	Qualifiers: DIL,*	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2P691A5-MS      Matrix.....: SO  
MS Lot-Sample #: A7G120192-001      J2P691A6-MSD

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>

**NOTE(S):**

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- Calculations are performed before rounding to avoid round-off errors in calculated results.
- Bold print denotes control parameters
- DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.
- a Spiked analyte recovery is outside stated control limits.
- Results and reporting limits have been adjusted for dry weight.
- \* Surrogate recovery is outside stated control limits.
- p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QA51DR-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-036      J2QA51DT-MSD  
 Date Sampled...: 07/10/07 14:29      Date Received...: 07/11/07  
 Prep Date.....: 07/14/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 4

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>79 DIL</b>	<b>(10 - 200)</b>			<b>SW846 8270C</b>
	<b>78 DIL</b>	<b>(10 - 200)</b>	<b>1.6</b>	<b>(0-30)</b>	<b>SW846 8270C</b>
Acenaphthylene	84 DIL	(10 - 200)			SW846 8270C
	79 DIL	(10 - 200)	5.9	(0-30)	SW846 8270C
Anthracene	94 DIL	(10 - 200)			SW846 8270C
	93 DIL	(10 - 200)	1.1	(0-30)	SW846 8270C
Benzo(a)anthracene	94 DIL	(10 - 200)			SW846 8270C
	101 DIL	(10 - 200)	7.2	(0-30)	SW846 8270C
Benzo(a)pyrene	71 DIL	(10 - 200)			SW846 8270C
	2.1	(10 - 200)	129	(0-30)	SW846 8270C
	Qualifiers: DIL,a,p				
Benzo(b)fluoranthene	74 DIL	(10 - 200)			SW846 8270C
	87 DIL	(10 - 200)	13	(0-30)	SW846 8270C
Benzo(ghi)perylene	76 DIL	(10 - 200)			SW846 8270C
	78 DIL	(10 - 200)	2.1	(0-30)	SW846 8270C
Benzo(k)fluoranthene	98 DIL	(10 - 200)			SW846 8270C
	87 DIL	(10 - 200)	12	(0-30)	SW846 8270C
Chrysene	88 DIL	(10 - 200)			SW846 8270C
	82 DIL	(10 - 200)	6.2	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	78 DIL	(10 - 200)			SW846 8270C
	77 DIL	(10 - 200)	1.2	(0-30)	SW846 8270C
Fluoranthene	96 DIL	(10 - 200)			SW846 8270C
	98 DIL	(10 - 200)	2.5	(0-30)	SW846 8270C
Fluorene	82 DIL	(10 - 187)			SW846 8270C
	77 DIL	(10 - 187)	6.1	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	82 DIL	(10 - 200)			SW846 8270C
	79 DIL	(10 - 200)	3.6	(0-30)	SW846 8270C
2-Methylnaphthalene	79 DIL	(10 - 200)			SW846 8270C
	93 DIL	(10 - 200)	13	(0-30)	SW846 8270C
Naphthalene	38 DIL	(10 - 200)			SW846 8270C
	37 DIL	(10 - 200)	1.4	(0-30)	SW846 8270C
Phenanthrene	86 DIL	(10 - 200)			SW846 8270C
	89 DIL	(10 - 200)	3.1	(0-30)	SW846 8270C
<b>Pyrene</b>	<b>83 DIL</b>	<b>(10 - 200)</b>			<b>SW846 8270C</b>
	<b>79 DIL</b>	<b>(10 - 200)</b>	<b>3.5</b>	<b>(0-30)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	52 DIL	(24 - 112)
	50 DIL	(24 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QA51DR-MS      Matrix.....: SO  
MS Lot-Sample #: A7G120192-036      J2QA51DT-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	68 DIL	(34 - 110)
	64 DIL	(34 - 110)
Terphenyl-d14	75 DIL	(41 - 119)
	72 DIL	(41 - 119)
Phenol-d5	62 DIL	(28 - 110)
	60 DIL	(28 - 110)
2-Fluorophenol	51 DIL	(26 - 110)
	59 DIL	(26 - 110)
2,4,6-Tribromophenol	44 DIL	(10 - 118)
	38 DIL	(10 - 118)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QA51DR-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-036      J2QA51DT-MSD  
 Date Sampled...: 07/10/07 14:29      Date Received...: 07/11/07  
 Prep Date.....: 07/14/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195031  
 Dilution Factor: 4

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
<b>Acenaphthene</b>	ND	710	560	ug/kg	79 DIL		SW846 8270C
	ND	710	550	ug/kg	78 DIL	1.6	SW846 8270C
Acenaphthylene	ND	710	590	ug/kg	84 DIL		SW846 8270C
	ND	710	560	ug/kg	79 DIL	5.9	SW846 8270C
Anthracene	ND	710	660	ug/kg	94 DIL		SW846 8270C
	ND	710	650	ug/kg	93 DIL	1.1	SW846 8270C
Benzo(a)anthracene	ND	710	670	ug/kg	94 DIL		SW846 8270C
	ND	710	720	ug/kg	101	7.2	SW846 8270C
Benzo(a)pyrene	ND	710	620	ug/kg	71 DIL		SW846 8270C
	ND	710	130	ug/kg	2.1	129	SW846 8270C
Benzo(b)fluoranthene	ND	710	670	ug/kg	74 DIL		SW846 8270C
	ND	710	760	ug/kg	87 DIL	13	SW846 8270C
Benzo(ghi)perylene	ND	710	540	ug/kg	76 DIL		SW846 8270C
	ND	710	550	ug/kg	78 DIL	2.1	SW846 8270C
Benzo(k)fluoranthene	ND	710	690	ug/kg	98 DIL		SW846 8270C
	ND	710	610	ug/kg	87 DIL	12	SW846 8270C
Chrysene	ND	710	770	ug/kg	88 DIL		SW846 8270C
	ND	710	730	ug/kg	82 DIL	6.2	SW846 8270C
Dibenz(a,h)anthracene	ND	710	550	ug/kg	78 DIL		SW846 8270C
	ND	710	540	ug/kg	77 DIL	1.2	SW846 8270C
Fluoranthene	ND	710	840	ug/kg	96 DIL		SW846 8270C
	ND	710	870	ug/kg	98 DIL	2.5	SW846 8270C
Fluorene	ND	710	580	ug/kg	82 DIL		SW846 8270C
	ND	710	550	ug/kg	77 DIL	6.1	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	710	580	ug/kg	82 DIL		SW846 8270C
	ND	710	560	ug/kg	79 DIL	3.6	SW846 8270C
2-Methylnaphthalene	ND	710	700	ug/kg	79 DIL		SW846 8270C
	ND	710	800	ug/kg	93 DIL	13	SW846 8270C
Naphthalene	ND	710	640	ug/kg	38 DIL		SW846 8270C
	ND	710	630	ug/kg	37 DIL	1.4	SW846 8270C
Phenanthrene	ND	710	740	ug/kg	86 DIL		SW846 8270C
	ND	710	760	ug/kg	89 DIL	3.1	SW846 8270C
<b>Pyrene</b>	ND	710	720	ug/kg	83 DIL		SW846 8270C
	ND	710	690	ug/kg	79 DIL	3.5	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QA51DR-MS      Matrix.....: SO  
MS Lot-Sample #: A7G120192-036      J2QA51DT-MSD

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Nitrobenzene-d5	52 DIL	(24 - 112)
	50 DIL	(24 - 112)
2-Fluorobiphenyl	68 DIL	(34 - 110)
	64 DIL	(34 - 110)
Terphenyl-d14	75 DIL	(41 - 119)
	72 DIL	(41 - 119)
Phenol-d5	62 DIL	(28 - 110)
	60 DIL	(28 - 110)
2-Fluorophenol	51 DIL	(26 - 110)
	59 DIL	(26 - 110)
2,4,6-Tribromophenol	44 DIL	(10 - 118)
	38 DIL	(10 - 118)

**NOTE(S):**

- 
- Calculations are performed before rounding to avoid round-off errors in calculated results.  
Bold print denotes control parameters  
DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.  
Results and reporting limits have been adjusted for dry weight.  
a Spiked analyte recovery is outside stated control limits.  
p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QCQ1DU-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-041      J2QCQ1DV-MSD  
 Date Sampled...: 07/10/07 15:09      Date Received...: 07/11/07  
 Prep Date.....: 07/15/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
<b>Acenaphthene</b>	<b>75</b>	<b>(10 - 200)</b>			<b>SW846 8270C</b>
	<b>71</b>	<b>(10 - 200)</b>	<b>5.5</b>	<b>(0-30)</b>	<b>SW846 8270C</b>
Acenaphthylene	74	(10 - 200)			SW846 8270C
	71	(10 - 200)	4.0	(0-30)	SW846 8270C
Anthracene	85	(10 - 200)			SW846 8270C
	91	(10 - 200)	6.8	(0-30)	SW846 8270C
Benzo(a)anthracene	84	(10 - 200)			SW846 8270C
	81	(10 - 200)	3.1	(0-30)	SW846 8270C
Benzo(a)pyrene	79	(10 - 200)			SW846 8270C
	78	(10 - 200)	1.0	(0-30)	SW846 8270C
Benzo(b)fluoranthene	77	(10 - 200)			SW846 8270C
	73	(10 - 200)	5.3	(0-30)	SW846 8270C
Benzo(ghi)perylene	76	(10 - 200)			SW846 8270C
	78	(10 - 200)	2.4	(0-30)	SW846 8270C
Benzo(k)fluoranthene	77	(10 - 200)			SW846 8270C
	81	(10 - 200)	5.0	(0-30)	SW846 8270C
Chrysene	81	(10 - 200)			SW846 8270C
	83	(10 - 200)	2.3	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	79	(10 - 200)			SW846 8270C
	79	(10 - 200)	0.52	(0-30)	SW846 8270C
Fluoranthene	83	(10 - 200)			SW846 8270C
	85	(10 - 200)	2.7	(0-30)	SW846 8270C
Fluorene	78	(10 - 187)			SW846 8270C
	79	(10 - 187)	0.55	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	76	(10 - 200)			SW846 8270C
	79	(10 - 200)	3.8	(0-30)	SW846 8270C
2-Methylnaphthalene	80	(10 - 200)			SW846 8270C
	70	(10 - 200)	13	(0-30)	SW846 8270C
Naphthalene	68	(10 - 200)			SW846 8270C
	64	(10 - 200)	6.6	(0-30)	SW846 8270C
Phenanthrene	90	(10 - 200)			SW846 8270C
	93	(10 - 200)	3.3	(0-30)	SW846 8270C
<b>Pyrene</b>	<b>78</b>	<b>(10 - 200)</b>			<b>SW846 8270C</b>
	<b>79</b>	<b>(10 - 200)</b>	<b>0.81</b>	<b>(0-30)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	71	(24 - 112)
	58	(24 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QCQ1DU-MS      Matrix.....: SO  
MS Lot-Sample #: A7G120192-041      J2QCQ1DV-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	76	(34 - 110)
	69	(34 - 110)
Terphenyl-d14	89	(41 - 119)
	88	(41 - 119)
Phenol-d5	78	(28 - 110)
	61	(28 - 110)
2-Fluorophenol	75	(26 - 110)
	61	(26 - 110)
2,4,6-Tribromophenol	61	(10 - 118)
	64	(10 - 118)

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.  
Bold print denotes control parameters  
Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QCQ1DU-MS      Matrix.....: SO  
 MS Lot-Sample #: A7G120192-041      J2QCQ1DV-MSD  
 Date Sampled...: 07/10/07 15:09      Date Received...: 07/11/07  
 Prep Date.....: 07/15/07      Analysis Date...: 07/22/07  
 Prep Batch #...: 7195088  
 Dilution Factor: 1

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
<b>Acenaphthene</b>	ND	690	520	ug/kg	75		SW846 8270C
	ND	690	490	ug/kg	71	5.5	SW846 8270C
Acenaphthylene	ND	690	510	ug/kg	74		SW846 8270C
	ND	690	490	ug/kg	71	4.0	SW846 8270C
Anthracene	ND	690	590	ug/kg	85		SW846 8270C
	ND	690	630	ug/kg	91	6.8	SW846 8270C
Benzo(a)anthracene	ND	690	600	ug/kg	84		SW846 8270C
	ND	690	590	ug/kg	81	3.1	SW846 8270C
Benzo(a)pyrene	ND	690	540	ug/kg	79		SW846 8270C
	ND	690	540	ug/kg	78	1.0	SW846 8270C
Benzo(b)fluoranthene	ND	690	570	ug/kg	77		SW846 8270C
	ND	690	540	ug/kg	73	5.3	SW846 8270C
Benzo(ghi)perylene	ND	690	530	ug/kg	76		SW846 8270C
	ND	690	540	ug/kg	78	2.4	SW846 8270C
Benzo(k)fluoranthene	ND	690	530	ug/kg	77		SW846 8270C
	ND	690	560	ug/kg	81	5.0	SW846 8270C
Chrysene	ND	690	590	ug/kg	81		SW846 8270C
	ND	690	600	ug/kg	83	2.3	SW846 8270C
Dibenz(a,h)anthracene	ND	690	540	ug/kg	79		SW846 8270C
	ND	690	540	ug/kg	79	0.52	SW846 8270C
Fluoranthene	ND	690	610	ug/kg	83		SW846 8270C
	ND	690	630	ug/kg	85	2.7	SW846 8270C
Fluorene	ND	690	540	ug/kg	78		SW846 8270C
	ND	690	540	ug/kg	79	0.55	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	690	520	ug/kg	76		SW846 8270C
	ND	690	540	ug/kg	79	3.8	SW846 8270C
2-Methylnaphthalene	ND	690	550	ug/kg	80		SW846 8270C
	ND	690	480	ug/kg	70	13	SW846 8270C
Naphthalene	ND	690	470	ug/kg	68		SW846 8270C
	ND	690	440	ug/kg	64	6.6	SW846 8270C
Phenanthrene	ND	690	620	ug/kg	90		SW846 8270C
	ND	690	640	ug/kg	93	3.3	SW846 8270C
<b>Pyrene</b>	ND	690	580	ug/kg	78		SW846 8270C
	ND	690	580	ug/kg	79	0.81	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	71	(24 - 112)
	58	(24 - 112)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7G120192      Work Order #...: J2QCQ1DU-MS      Matrix.....: SO  
MS Lot-Sample #: A7G120192-041      J2QCQ1DV-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	76	(34 - 110)
	69	(34 - 110)
Terphenyl-d14	89	(41 - 119)
	88	(41 - 119)
Phenol-d5	78	(28 - 110)
	61	(28 - 110)
2-Fluorophenol	75	(26 - 110)
	61	(26 - 110)
2,4,6-Tribromophenol	61	(10 - 118)
	64	(10 - 118)

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.  
Bold print denotes control parameters  
Results and reporting limits have been adjusted for dry weight.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #: A7G120192-001 Prep Batch #...: 7197050</b>							
Aluminum	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691A9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691CA
					Dilution Factor: 5		
Antimony	0.0 N	(70 - 130)			SW846 6020	07/16-07/18/07	J2P691DC
	35 N	(70 - 130)	0.0	(0-20)	SW846 6020	07/16-07/18/07	J2P691DD
					Dilution Factor: 5		
Arsenic	17 N	(70 - 130)			SW846 6020	07/16-07/18/07	J2P691DE
	77 *	(70 - 130)	37	(0-20)	SW846 6020	07/16-07/18/07	J2P691DF
					Dilution Factor: 5		
Barium	166 N	(75 - 125)			SW846 6010B	07/16/07	J2P691CC
	0.0 N	(75 - 125)	0.0	(0-20)	SW846 6010B	07/16/07	J2P691CD
					Dilution Factor: 5		
Beryllium	88	(75 - 125)			SW846 6010B	07/16/07	J2P691CE
	91	(75 - 125)	3.9	(0-20)	SW846 6010B	07/16/07	J2P691CF
					Dilution Factor: 5		
Cadmium	77	(75 - 125)			SW846 6010B	07/16/07	J2P691CG
	27 N, *	(75 - 125)	37	(0-20)	SW846 6010B	07/16/07	J2P691CH
					Dilution Factor: 5		
Calcium	35 N	(75 - 125)			SW846 6010B	07/16/07	J2P691CJ
	208 N, *	(75 - 125)	72	(0-20)	SW846 6010B	07/16/07	J2P691CK
					Dilution Factor: 5		
Chromium	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691C7
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691C8
					Dilution Factor: 5		
Cobalt	142 N	(75 - 125)			SW846 6010B	07/16/07	J2P691CL
	63 N, *	(75 - 125)	52	(0-20)	SW846 6010B	07/16/07	J2P691CM
					Dilution Factor: 5		
Copper	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691CN
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691CP
					Dilution Factor: 5		

(Continued on next page)

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Iron	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691CQ
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691CR
					Dilution Factor: 5		
Lead	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691C9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691DA
					Dilution Factor: 5		
Magnesium	63 N	(75 - 125)			SW846 6010B	07/16/07	J2P691CT
	145 N,*	(75 - 125)	53	(0-20)	SW846 6010B	07/16/07	J2P691CU
					Dilution Factor: 5		
Manganese	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691CV
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691CW
					Dilution Factor: 5		
Mercury	128	(11 - 192)			SW846 7471A	07/16/07	J2P691A7
	106	(11 - 192)	18	(0-20)	SW846 7471A	07/16/07	J2P691A8
					Dilution Factor: 1		
Nickel	NC,MSB	(75 - 125)			SW846 6010B	07/16/07	J2P691CX
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16/07	J2P691C0
					Dilution Factor: 5		
Potassium	104	(75 - 125)			SW846 6010B	07/16/07	J2P691C1
	100	(75 - 125)	4.0	(0-20)	SW846 6010B	07/16/07	J2P691C2
					Dilution Factor: 5		
Selenium	66 N	(70 - 130)			SW846 6020	07/16-07/18/07	J2P691DG
	55 N	(70 - 130)	17	(0-20)	SW846 6020	07/16-07/18/07	J2P691DH
					Dilution Factor: 5		
Silver	45 N	(70 - 130)			SW846 6020	07/16-07/18/07	J2P691DJ
	84 *	(70 - 130)	31	(0-20)	SW846 6020	07/16-07/18/07	J2P691DK
					Dilution Factor: 5		
Sodium	98	(75 - 125)			SW846 6010B	07/16/07	J2P691C3
	88	(75 - 125)	9.7	(0-20)	SW846 6010B	07/16/07	J2P691C4
					Dilution Factor: 5		
Thallium	90	(70 - 130)			SW846 6020	07/16-07/18/07	J2P691DL
	93	(70 - 130)	2.6	(0-20)	SW846 6020	07/16-07/18/07	J2P691DM
					Dilution Factor: 5		

(Continued on next page)

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Vanadium	100	(75 - 125)			SW846 6010B	07/16/07	J2P691C5
	71 N,*	(75 - 125)	22	(0-20)	SW846 6010B	07/16/07	J2P691C6
		Dilution Factor: 5					
Zinc	NC,MSB	(70 - 130)			SW846 6020	07/16-07/18/07	J2P691DN
	NC,MSB	(70 - 130)		(0-20)	SW846 6020	07/16-07/18/07	J2P691DP
		Dilution Factor: 5					

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

\* Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: A7G120192-001 Prep Batch #...: 7197050

Aluminum

2670	229	3060	mg/kg				SW846 6010B	07/16/07	J2P691A9
Qualifiers: NC,MSB									
2670	229	1920	mg/kg				SW846 6010B	07/16/07	J2P691CA
Qualifiers: NC,MSB									
Dilution Factor: 5									

Antimony

17.4	11.5	16.2 N	mg/kg	0.0			SW846 6020	07/16-07/18/07	J2P691DC
17.4	11.5	21.4 N	mg/kg	35	0.0		SW846 6020	07/16-07/18/07	J2P691DD
Dilution Factor: 5									

Arsenic

13.1	11.5	15.0 N	mg/kg	17			SW846 6020	07/16-07/18/07	J2P691DE
13.1	11.5	21.9 *	mg/kg	77	37		SW846 6020	07/16-07/18/07	J2P691DF
Dilution Factor: 5									

Barium

414	229	793 N	mg/kg	166			SW846 6010B	07/16/07	J2P691CC
414	229	378 N	mg/kg	0.0	0.0		SW846 6010B	07/16/07	J2P691CD
Dilution Factor: 5									

Beryllium

ND	5.7	5.0	mg/kg	88			SW846 6010B	07/16/07	J2P691CE
ND	5.7	5.2	mg/kg	91	3.9		SW846 6010B	07/16/07	J2P691CF
Dilution Factor: 5									

Cadmium

4.9	5.7	9.2	mg/kg	77			SW846 6010B	07/16/07	J2P691CG
4.9	5.7	6.4 N,*	mg/kg	27	37		SW846 6010B	07/16/07	J2P691CH
Dilution Factor: 5									

Calcium

6910	5730	8900 N	mg/kg	35			SW846 6010B	07/16/07	J2P691CJ
6910	5730	18800	mg/kg	208	72		SW846 6010B	07/16/07	J2P691CK
Qualifiers: N,*									
Dilution Factor: 5									

Chromium

270	22.9	325	mg/kg				SW846 6010B	07/16/07	J2P691C7
Qualifiers: NC,MSB									
270	22.9	173	mg/kg				SW846 6010B	07/16/07	J2P691C8
Qualifiers: NC,MSB									
Dilution Factor: 5									

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Cobalt									
	27.6	57.3	109 N	mg/kg	142		SW846 6010B	07/16/07	J2P691CL
	27.6	57.3	63.8	mg/kg	63	52	SW846 6010B	07/16/07	J2P691CM
			Qualifiers: N,*						
			Dilution Factor: 5						
Copper									
	985	28.6	1330	mg/kg			SW846 6010B	07/16/07	J2P691CN
			Qualifiers: NC,MSB						
	985	28.6	238	mg/kg			SW846 6010B	07/16/07	J2P691CP
			Qualifiers: NC,MSB						
			Dilution Factor: 5						
Iron									
	109000	115	202000	mg/kg			SW846 6010B	07/16/07	J2P691CQ
			Qualifiers: NC,MSB						
	109000	115	20100	mg/kg			SW846 6010B	07/16/07	J2P691CR
			Qualifiers: NC,MSB						
			Dilution Factor: 5						
Lead									
	904	57.3	914	mg/kg			SW846 6010B	07/16/07	J2P691C9
			Qualifiers: NC,MSB						
	904	57.3	283	mg/kg			SW846 6010B	07/16/07	J2P691DA
			Qualifiers: NC,MSB						
			Dilution Factor: 5						
Magnesium									
	2870	5730	6460 N	mg/kg	63		SW846 6010B	07/16/07	J2P691CT
	2870	5730	11200	mg/kg	145	53	SW846 6010B	07/16/07	J2P691CU
			Qualifiers: N,*						
			Dilution Factor: 5						
Manganese									
	1120	57.3	1140	mg/kg			SW846 6010B	07/16/07	J2P691CV
			Qualifiers: NC,MSB						
	1120	57.3	599	mg/kg			SW846 6010B	07/16/07	J2P691CW
			Qualifiers: NC,MSB						
			Dilution Factor: 5						
Mercury									
	ND	0.19	0.24	mg/kg	128		SW846 7471A	07/16/07	J2P691A7
	ND	0.19	0.20	mg/kg	106	18	SW846 7471A	07/16/07	J2P691A8
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Nickel									
	255	57.3	420	mg/kg			SW846 6010B	07/16/07	J2P691CX
			Qualifiers: NC,MSB						
	255	57.3	155	mg/kg			SW846 6010B	07/16/07	J2P691C0
			Qualifiers: NC,MSB						
			Dilution Factor: 5						
Potassium									
	ND	5730	6110	mg/kg	104		SW846 6010B	07/16/07	J2P691C1
	ND	5730	5870	mg/kg	100	4.0	SW846 6010B	07/16/07	J2P691C2
			Dilution Factor: 5						
Selenium									
	0.52	11.5	8.1 N	mg/kg	66		SW846 6020	07/16-07/18/07	J2P691DG
	0.52	11.5	6.8 N	mg/kg	55	17	SW846 6020	07/16-07/18/07	J2P691DH
			Dilution Factor: 5						
Silver									
	7.0	11.5	12.2 N	mg/kg	45		SW846 6020	07/16-07/18/07	J2P691DJ
	7.0	11.5	16.6 *	mg/kg	84	31	SW846 6020	07/16-07/18/07	J2P691DK
			Dilution Factor: 5						
Sodium									
	524	5730	6130	mg/kg	98		SW846 6010B	07/16/07	J2P691C3
	524	5730	5560	mg/kg	88	9.7	SW846 6010B	07/16/07	J2P691C4
			Dilution Factor: 5						
Thallium									
	ND	11.5	10.4	mg/kg	90		SW846 6020	07/16-07/18/07	J2P691DL
	ND	11.5	10.7	mg/kg	93	2.6	SW846 6020	07/16-07/18/07	J2P691DM
			Dilution Factor: 5						
Vanadium									
	26.2	57.3	83.6	mg/kg	100		SW846 6010B	07/16/07	J2P691C5
	26.2	57.3	66.7	mg/kg	71	22	SW846 6010B	07/16/07	J2P691C6
			Qualifiers: N,*						
			Dilution Factor: 5						
Zinc									
	4090	11.5	655	mg/kg			SW846 6020	07/16-07/18/07	J2P691DN
			Qualifiers: NC,MSB						
	4090	11.5	2610	mg/kg			SW846 6020	07/16-07/18/07	J2P691DP
			Qualifiers: NC,MSB						
			Dilution Factor: 5						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

\* Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #: A7G120192-036 Prep Batch #...: 7197070</b>							
Aluminum	NC,MSB	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51A3
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16-07/17/07	J2QA51A4
					Dilution Factor: 1		
Antimony	30 N	(70 - 130)			SW846 6020	07/16-07/18/07	J2QA51DN
	43 N,*	(70 - 130)	34	(0-20)	SW846 6020	07/16-07/18/07	J2QA51DP
					Dilution Factor: 5		
Arsenic	93	(70 - 130)			SW846 6020	07/16-07/18/07	J2QA51AC
	88	(70 - 130)	4.7	(0-20)	SW846 6020	07/16-07/18/07	J2QA51AD
					Dilution Factor: 5		
Barium	90	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51A6
	91	(75 - 125)	1.3	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51A7
					Dilution Factor: 1		
Beryllium	84	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51A9
	83	(75 - 125)	1.2	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CA
					Dilution Factor: 1		
Cadmium	86	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51CD
	87	(75 - 125)	0.53	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CE
					Dilution Factor: 1		
Calcium	NC,MSB	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51CG
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CH
					Dilution Factor: 2		
Chromium	90	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51DG
	117 *	(75 - 125)	22	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51DH
					Dilution Factor: 1		
Cobalt	87	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51CK
	95	(75 - 125)	8.0	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CL
					Dilution Factor: 1		
Copper	90	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51CN
	141 N,*	(75 - 125)	36	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CP
					Dilution Factor: 1		

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Iron	NC,MSB	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51CR
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CT
		Dilution Factor: 1					
Lead	85	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51DK
	90	(75 - 125)	5.2	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51DL
		Dilution Factor: 1					
Magnesium	333 N	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51CV
	45 N,*	(75 - 125)	73	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51CW
		Dilution Factor: 1					
Manganese	95	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51C0
	134 N	(75 - 125)	9.3	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51C1
		Dilution Factor: 1					
Mercury	117	(11 - 192)			SW846 7471A	07/16/07	J2QA51A0
	119	(11 - 192)	1.9	(0-20)	SW846 7471A	07/16/07	J2QA51A1
		Dilution Factor: 1					
Nickel	88	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51C3
	99	(75 - 125)	11	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51C4
		Dilution Factor: 1					
Potassium	101	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51C6
	97	(75 - 125)	3.6	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51C7
		Dilution Factor: 1					
Selenium	88	(70 - 130)			SW846 6020	07/16-07/18/07	J2QA51AF
	85	(70 - 130)	3.6	(0-20)	SW846 6020	07/16-07/18/07	J2QA51AG
		Dilution Factor: 5					
Silver	87	(70 - 130)			SW846 6020	07/16-07/18/07	J2QA51AJ
	86	(70 - 130)	1.4	(0-20)	SW846 6020	07/16-07/18/07	J2QA51AK
		Dilution Factor: 5					
Sodium	90	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51C9
	89	(75 - 125)	1.1	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51DA
		Dilution Factor: 1					
Thallium	90	(70 - 130)			SW846 6020	07/16-07/18/07	J2QA51AM
	92	(70 - 130)	3.0	(0-20)	SW846 6020	07/16-07/18/07	J2QA51AN
		Dilution Factor: 5					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Vanadium	89	(75 - 125)			SW846 6010B	07/16-07/17/07	J2QA51DD
	95	(75 - 125)	5.8	(0-20)	SW846 6010B	07/16-07/17/07	J2QA51DE
		Dilution Factor: 1					
Zinc	106	(70 - 130)			SW846 6020	07/16-07/18/07	J2QA51AQ
	74	(70 - 130)	11	(0-20)	SW846 6020	07/16-07/18/07	J2QA51AR
		Dilution Factor: 5					

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

\* Relative percent difference (RPD) is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: A7G120192-036 Prep Batch #...: 7197070

Aluminum

1770	212	2190	mg/kg				SW846 6010B	07/16-07/17/07	J2QA51A3
									Qualifiers: NC,MSB
1770	212	3130	mg/kg				SW846 6010B	07/16-07/17/07	J2QA51A4
									Qualifiers: NC,MSB
									Dilution Factor: 1

Antimony

ND	10.6	3.2 N	mg/kg	30			SW846 6020	07/16-07/18/07	J2QA51DN
ND	10.6	4.5 N,*	mg/kg	43	34		SW846 6020	07/16-07/18/07	J2QA51DP
									Dilution Factor: 5

Arsenic

2.3	10.6	12.2	mg/kg	93			SW846 6020	07/16-07/18/07	J2QA51AC
2.3	10.6	11.6	mg/kg	88	4.7		SW846 6020	07/16-07/18/07	J2QA51AD
									Dilution Factor: 5

Barium

9.2	212	201	mg/kg	90			SW846 6010B	07/16-07/17/07	J2QA51A6
9.2	212	203	mg/kg	91	1.3		SW846 6010B	07/16-07/17/07	J2QA51A7
									Dilution Factor: 1

Beryllium

ND	5.3	4.5	mg/kg	84			SW846 6010B	07/16-07/17/07	J2QA51A9
ND	5.3	4.4	mg/kg	83	1.2		SW846 6010B	07/16-07/17/07	J2QA51CA
									Dilution Factor: 1

Cadmium

ND	5.3	4.6	mg/kg	86			SW846 6010B	07/16-07/17/07	J2QA51CD
ND	5.3	4.6	mg/kg	87	0.53		SW846 6010B	07/16-07/17/07	J2QA51CE
									Dilution Factor: 1

Calcium

32500	5300	67500	mg/kg				SW846 6010B	07/16-07/17/07	J2QA51CG
									Qualifiers: NC,MSB
32500	5300	31400	mg/kg				SW846 6010B	07/16-07/17/07	J2QA51CH
									Qualifiers: NC,MSB
									Dilution Factor: 2

Chromium

4.5	21.2	23.6	mg/kg	90			SW846 6010B	07/16-07/17/07	J2QA51DG
4.5	21.2	29.3 *	mg/kg	117	22		SW846 6010B	07/16-07/17/07	J2QA51DH
									Dilution Factor: 1

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Cobalt									
	2.2	53.0	48.3	mg/kg	87		SW846 6010B	07/16-07/17/07	J2QA51CK
	2.2	53.0	52.3	mg/kg	95	8.0	SW846 6010B	07/16-07/17/07	J2QA51CL
	Dilution Factor: 1								
Copper									
	6.5	26.5	30.3	mg/kg	90		SW846 6010B	07/16-07/17/07	J2QA51CN
	6.5	26.5	43.8	mg/kg	141	36	SW846 6010B	07/16-07/17/07	J2QA51CP
	Qualifiers: N,* Dilution Factor: 1								
Iron									
	4790	106	4850	mg/kg			SW846 6010B	07/16-07/17/07	J2QA51CR
	Qualifiers: NC,MSB								
	4790	106	12200	mg/kg			SW846 6010B	07/16-07/17/07	J2QA51CT
	Qualifiers: NC,MSB Dilution Factor: 1								
Lead									
	5.5	53.0	50.8	mg/kg	85		SW846 6010B	07/16-07/17/07	J2QA51DK
	5.5	53.0	53.5	mg/kg	90	5.2	SW846 6010B	07/16-07/17/07	J2QA51DL
	Dilution Factor: 1								
Magnesium									
	10900	5300	28500	N mg/kg	333		SW846 6010B	07/16-07/17/07	J2QA51CV
	10900	5300	13200	mg/kg	45	73	SW846 6010B	07/16-07/17/07	J2QA51CW
	Qualifiers: N,* Dilution Factor: 1								
Manganese									
	159	53.0	210	mg/kg	95		SW846 6010B	07/16-07/17/07	J2QA51C0
	159	53.0	230	N mg/kg	134	9.3	SW846 6010B	07/16-07/17/07	J2QA51C1
	Dilution Factor: 1								
Mercury									
	ND	0.18	0.21	mg/kg	117		SW846 7471A	07/16/07	J2QA51A0
	ND	0.18	0.21	mg/kg	119	1.9	SW846 7471A	07/16/07	J2QA51A1
	Dilution Factor: 1								
Nickel									
	5.5	53.0	51.9	mg/kg	88		SW846 6010B	07/16-07/17/07	J2QA51C3
	5.5	53.0	58.2	mg/kg	99	11	SW846 6010B	07/16-07/17/07	J2QA51C4
	Dilution Factor: 1								

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**MATRIX SPIKE SAMPLE DATA REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>SAMPLE AMOUNT</u>	<u>SPIKE AMT</u>	<u>MEASRD AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Potassium									
ND	5300	5300	5590	mg/kg	101		SW846 6010B	07/16-07/17/07	J2QA51C6
ND	5300	5300	5390	mg/kg	97	3.6	SW846 6010B	07/16-07/17/07	J2QA51C7
Dilution Factor: 1									
Selenium									
ND	10.6	10.6	9.4	mg/kg	88		SW846 6020	07/16-07/18/07	J2QA51AF
ND	10.6	10.6	9.1	mg/kg	85	3.6	SW846 6020	07/16-07/18/07	J2QA51AG
Dilution Factor: 5									
Silver									
ND	10.6	10.6	9.3	mg/kg	87		SW846 6020	07/16-07/18/07	J2QA51AJ
ND	10.6	10.6	9.1	mg/kg	86	1.4	SW846 6020	07/16-07/18/07	J2QA51AK
Dilution Factor: 5									
Sodium									
99.1	5300	5300	4860	mg/kg	90		SW846 6010B	07/16-07/17/07	J2QA51C9
99.1	5300	5300	4810	mg/kg	89	1.1	SW846 6010B	07/16-07/17/07	J2QA51DA
Dilution Factor: 1									
Thallium									
ND	10.6	10.6	9.5	mg/kg	90		SW846 6020	07/16-07/18/07	J2QA51AM
ND	10.6	10.6	9.8	mg/kg	92	3.0	SW846 6020	07/16-07/18/07	J2QA51AN
Dilution Factor: 5									
Vanadium									
6.1	53.0	53.0	53.5	mg/kg	89		SW846 6010B	07/16-07/17/07	J2QA51DD
6.1	53.0	53.0	56.7	mg/kg	95	5.8	SW846 6010B	07/16-07/17/07	J2QA51DE
Dilution Factor: 1									
Zinc									
21.4	10.6	10.6	32.7	mg/kg	106		SW846 6020	07/16-07/18/07	J2QA51AQ
21.4	10.6	10.6	29.3	mg/kg	74	11	SW846 6020	07/16-07/18/07	J2QA51AR
Dilution Factor: 5									

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

\* Relative percent difference (RPD) is outside stated control limits.

N Spiked analyte recovery is outside stated control limits.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #: A7G120192-041 Prep Batch #...: 7199022</b>							
Aluminum	NC,MSB	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1C1
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1C2
		Dilution Factor: 1					
Antimony	45 N	(70 - 130)			SW846 6020	07/18/07	J2QCQ1CE
	41 N	(70 - 130)	11	(0-20)	SW846 6020	07/18/07	J2QCQ1CF
		Dilution Factor: 5					
Arsenic	72	(70 - 130)			SW846 6020	07/18/07	J2QCQ1CG
	58 N	(70 - 130)	15	(0-20)	SW846 6020	07/18/07	J2QCQ1CH
		Dilution Factor: 5					
Barium	90	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1C3
	94	(75 - 125)	4.2	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1C4
		Dilution Factor: 1					
Beryllium	82	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1C5
	89	(75 - 125)	8.0	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1C6
		Dilution Factor: 1					
Cadmium	82	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1C7
	87	(75 - 125)	5.7	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1C8
		Dilution Factor: 1					
Calcium	NC,MSB	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1C9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DA
		Dilution Factor: 1					
Chromium	87	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1A9
	93	(75 - 125)	5.6	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1CA
		Dilution Factor: 1					
Cobalt	84	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DC
	89	(75 - 125)	5.8	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DD
		Dilution Factor: 1					
Copper	84	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DE
	90	(75 - 125)	5.9	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DF
		Dilution Factor: 1					

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**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Iron	NC,MSB	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DG
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DH
			Dilution Factor: 1				
Lead	81	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1CC
	85	(75 - 125)	4.2	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1CD
			Dilution Factor: 1				
Magnesium	0.0 N	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DJ
	0.0 N	(75 - 125)	0.0	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DK
			Dilution Factor: 1				
Manganese	127 N	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DL
	95	(75 - 125)	8.9	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DM
			Dilution Factor: 1				
Mercury	91	(11 - 192)			SW846 7471A	07/18/07	J2QCQ1CX
	92	(11 - 192)	0.38	(0-20)	SW846 7471A	07/18/07	J2QCQ1C0
			Dilution Factor: 1				
Nickel	86	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DN
	93	(75 - 125)	6.7	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DP
			Dilution Factor: 1				
Potassium	100	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1DQ
	101	(75 - 125)	0.71	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1DR
			Dilution Factor: 1				
Selenium	84	(70 - 130)			SW846 6020	07/18/07	J2QCQ1CJ
	73	(70 - 130)	13	(0-20)	SW846 6020	07/18/07	J2QCQ1CK
			Dilution Factor: 5				
Silver	79	(70 - 130)			SW846 6020	07/18/07	J2QCQ1CL
	70	(70 - 130)	11	(0-20)	SW846 6020	07/18/07	J2QCQ1CM
			Dilution Factor: 5				
Sodium	87	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1A5
	92	(75 - 125)	5.3	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1A6
			Dilution Factor: 1				
Thallium	85	(70 - 130)			SW846 6020	07/18/07	J2QCQ1CN
	76	(70 - 130)	11	(0-20)	SW846 6020	07/18/07	J2QCQ1CP
			Dilution Factor: 5				

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**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Vanadium	82	(75 - 125)			SW846 6010B	07/18-07/19/07	J2QCQ1A7
	88	(75 - 125)	6.4	(0-20)	SW846 6010B	07/18-07/19/07	J2QCQ1A8
		Dilution Factor: 1					
Zinc	70	(70 - 130)			SW846 6020	07/18/07	J2QCQ1CQ
	52 N	(70 - 130)	8.8	(0-20)	SW846 6020	07/18/07	J2QCQ1CR
		Dilution Factor: 5					

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

PARAMETER	AMOUNT	SAMPLE SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: A7G120192-041 Prep Batch #...: 7199022

Aluminum

1600	207	2380	mg/kg				SW846 6010B	07/18-07/19/07	J2QCQ1C1
			Qualifiers: NC,MSB						
1600	207	2280	mg/kg				SW846 6010B	07/18-07/19/07	J2QCQ1C2
			Qualifiers: NC,MSB						
			Dilution Factor: 1						

Antimony

ND	10.3	4.7 N	mg/kg	45			SW846 6020	07/18/07	J2QCQ1CE
ND	10.3	4.2 N	mg/kg	41	11		SW846 6020	07/18/07	J2QCQ1CF
			Dilution Factor: 5						

Arsenic

2.6	10.3	10.1	mg/kg	72			SW846 6020	07/18/07	J2QCQ1CG
2.6	10.3	8.6 N	mg/kg	58	15		SW846 6020	07/18/07	J2QCQ1CH
			Dilution Factor: 5						

Barium

9.3	207	195	mg/kg	90			SW846 6010B	07/18-07/19/07	J2QCQ1C3
9.3	207	203	mg/kg	94	4.2		SW846 6010B	07/18-07/19/07	J2QCQ1C4
			Dilution Factor: 1						

Beryllium

ND	5.2	4.2	mg/kg	82			SW846 6010B	07/18-07/19/07	J2QCQ1C5
ND	5.2	4.6	mg/kg	89	8.0		SW846 6010B	07/18-07/19/07	J2QCQ1C6
			Dilution Factor: 1						

Cadmium

ND	5.2	4.3	mg/kg	82			SW846 6010B	07/18-07/19/07	J2QCQ1C7
ND	5.2	4.6	mg/kg	87	5.7		SW846 6010B	07/18-07/19/07	J2QCQ1C8
			Dilution Factor: 1						

Calcium

32900	5170	38700	mg/kg				SW846 6010B	07/18-07/19/07	J2QCQ1C9
			Qualifiers: NC,MSB						
32900	5170	34700	mg/kg				SW846 6010B	07/18-07/19/07	J2QCQ1DA
			Qualifiers: NC,MSB						
			Dilution Factor: 1						

Chromium

3.9	20.7	21.8	mg/kg	87			SW846 6010B	07/18-07/19/07	J2QCQ1A9
3.9	20.7	23.1	mg/kg	93	5.6		SW846 6010B	07/18-07/19/07	J2QCQ1CA
			Dilution Factor: 1						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Cobalt									
	2.3	51.7	45.6	mg/kg	84		SW846 6010B	07/18-07/19/07	J2QCQ1DC
	2.3	51.7	48.3	mg/kg	89	5.8	SW846 6010B	07/18-07/19/07	J2QCQ1DD
	Dilution Factor: 1								
Copper									
	5.8	25.9	27.5	mg/kg	84		SW846 6010B	07/18-07/19/07	J2QCQ1DE
	5.8	25.9	29.1	mg/kg	90	5.9	SW846 6010B	07/18-07/19/07	J2QCQ1DF
	Dilution Factor: 1								
Iron									
	4100	103	3950	mg/kg			SW846 6010B	07/18-07/19/07	J2QCQ1DG
	Qualifiers: NC,MSB								
	4100	103	3910	mg/kg			SW846 6010B	07/18-07/19/07	J2QCQ1DH
	Qualifiers: NC,MSB								
	Dilution Factor: 1								
Lead									
	7.1	51.7	49.0	mg/kg	81		SW846 6010B	07/18-07/19/07	J2QCQ1CC
	7.1	51.7	51.1	mg/kg	85	4.2	SW846 6010B	07/18-07/19/07	J2QCQ1CD
	Dilution Factor: 1								
Magnesium									
	15800	5170	14800	N mg/kg	0.0		SW846 6010B	07/18-07/19/07	J2QCQ1DJ
	15800	5170	11700	N mg/kg	0.0	0.0	SW846 6010B	07/18-07/19/07	J2QCQ1DK
	Dilution Factor: 1								
Manganese									
	127	51.7	193	N mg/kg	127		SW846 6010B	07/18-07/19/07	J2QCQ1DL
	127	51.7	176	mg/kg	95	8.9	SW846 6010B	07/18-07/19/07	J2QCQ1DM
	Dilution Factor: 1								
Mercury									
	ND	0.17	0.18	mg/kg	91		SW846 7471A	07/18/07	J2QCQ1CX
	ND	0.17	0.18	mg/kg	92	0.38	SW846 7471A	07/18/07	J2QCQ1C0
	Dilution Factor: 1								
Nickel									
	3.7	51.7	48.4	mg/kg	86		SW846 6010B	07/18-07/19/07	J2QCQ1DN
	3.7	51.7	51.7	mg/kg	93	6.7	SW846 6010B	07/18-07/19/07	J2QCQ1DP
	Dilution Factor: 1								

(Continued on next page)

**MATRIX SPIKE SAMPLE DATA REPORT**

**TOTAL Metals**

Client Lot #...: A7G120192

Matrix.....: SO

Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>SAMPLE AMOUNT</u>	<u>SPIKE AMT</u>	<u>MEASRD AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Potassium									
ND	5170	5390	mg/kg	100			SW846 6010B	07/18-07/19/07	J2QCQ1DQ
ND	5170	5430	mg/kg	101	0.71		SW846 6010B	07/18-07/19/07	J2QCQ1DR
Dilution Factor: 1									
Selenium									
ND	10.3	8.6	mg/kg	84			SW846 6020	07/18/07	J2QCQ1CJ
ND	10.3	7.6	mg/kg	73	13		SW846 6020	07/18/07	J2QCQ1CK
Dilution Factor: 5									
Silver									
ND	10.3	8.1	mg/kg	79			SW846 6020	07/18/07	J2QCQ1CL
ND	10.3	7.3	mg/kg	70	11		SW846 6020	07/18/07	J2QCQ1CM
Dilution Factor: 5									
Sodium									
ND	5170	4560	mg/kg	87			SW846 6010B	07/18-07/19/07	J2QCQ1A5
ND	5170	4810	mg/kg	92	5.3		SW846 6010B	07/18-07/19/07	J2QCQ1A6
Dilution Factor: 1									
Thallium									
ND	10.3	8.9	mg/kg	85			SW846 6020	07/18/07	J2QCQ1CN
ND	10.3	7.9	mg/kg	76	11		SW846 6020	07/18/07	J2QCQ1CP
Dilution Factor: 5									
Vanadium									
7.2	51.7	49.5	mg/kg	82			SW846 6010B	07/18-07/19/07	J2QCQ1A7
7.2	51.7	52.8	mg/kg	88	6.4		SW846 6010B	07/18-07/19/07	J2QCQ1A8
Dilution Factor: 1									
Zinc									
14.5	10.3	21.7	mg/kg	70			SW846 6020	07/18/07	J2QCQ1CQ
14.5	10.3	19.9 N	mg/kg	52	8.8		SW846 6020	07/18/07	J2QCQ1CR
Dilution Factor: 5									

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TCLP Metals**

Client Lot #...: A7G120192

Matrix.....: WG

Date Sampled...: 07/10/07 16:00 Date Received...: 07/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #:</b> A7G120192-046 <b>Prep Batch #...</b> : 7200015							
<b>Leach Date.....:</b> 07/18/07 <b>Leach Batch #...</b> : P719912							
Arsenic	109	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11AV
	99	(50 - 150)	9.8	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11AW
			Dilution Factor: 5				
Barium	108	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11AX
	98	(50 - 150)	10	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11A0
			Dilution Factor: 5				
Cadmium	112	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11A1
	101	(50 - 150)	10	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11A2
			Dilution Factor: 5				
Chromium	110	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11A3
	99	(50 - 150)	11	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11A4
			Dilution Factor: 5				
Lead	109	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11A5
	99	(50 - 150)	10	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11A6
			Dilution Factor: 5				
Selenium	107	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11A7
	97	(50 - 150)	9.7	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11A8
			Dilution Factor: 5				
Silver	113	(50 - 150)			SW846 6010B	07/19-07/20/07	J2QE11A9
	103	(50 - 150)	9.8	(0-20)	SW846 6010B	07/19-07/20/07	J2QE11CA
			Dilution Factor: 5				
Mercury	96	(50 - 150)			SW846 7470A	07/19-07/20/07	J2QE11AT
	101	(50 - 150)	5.0	(0-20)	SW846 7470A	07/19-07/20/07	J2QE11AU
			Dilution Factor: 10				

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**MATRIX SPIKE SAMPLE DATA REPORT**

**TCLP Metals**

Client Lot #...: A7G120192

Matrix.....: WG

Date Sampled...: 07/10/07 16:00 Date Received...: 07/11/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	---------------	-----------	---------------	-------	---------------	-----	--------	----------------------------	--------------

MS Lot-Sample #: A7G120192-046 Prep Batch #...: 7200015

Leach Date.....: 07/18/07 Leach Batch #...: P719912

**Arsenic**

ND	5.0	5.5	mg/L	109			SW846 6010B	07/19-07/20/07	J2QE11AV
ND	5.0	4.9	mg/L	99	9.8		SW846 6010B	07/19-07/20/07	J2QE11AW
Dilution Factor: 5									

**Barium**

ND	50.0	54.2	mg/L	108			SW846 6010B	07/19-07/20/07	J2QE11AX
ND	50.0	49.1	mg/L	98	10		SW846 6010B	07/19-07/20/07	J2QE11A0
Dilution Factor: 5									

**Cadmium**

ND	1.0	1.1	mg/L	112			SW846 6010B	07/19-07/20/07	J2QE11A1
ND	1.0	1.0	mg/L	101	10		SW846 6010B	07/19-07/20/07	J2QE11A2
Dilution Factor: 5									

**Chromium**

ND	5.0	5.5	mg/L	110			SW846 6010B	07/19-07/20/07	J2QE11A3
ND	5.0	5.0	mg/L	99	11		SW846 6010B	07/19-07/20/07	J2QE11A4
Dilution Factor: 5									

**Lead**

ND	5.0	5.5	mg/L	109			SW846 6010B	07/19-07/20/07	J2QE11A5
ND	5.0	5.0	mg/L	99	10		SW846 6010B	07/19-07/20/07	J2QE11A6
Dilution Factor: 5									

**Selenium**

ND	1.0	1.1	mg/L	107			SW846 6010B	07/19-07/20/07	J2QE11A7
ND	1.0	0.98	mg/L	97	9.7		SW846 6010B	07/19-07/20/07	J2QE11A8
Dilution Factor: 5									

**Silver**

ND	1.0	1.1	mg/L	113			SW846 6010B	07/19-07/20/07	J2QE11A9
ND	1.0	1.0	mg/L	103	9.8		SW846 6010B	07/19-07/20/07	J2QE11CA
Dilution Factor: 5									

**Mercury**

ND	0.050	0.048	mg/L	96			SW846 7470A	07/19-07/20/07	J2QE11AT
ND	0.050	0.050	mg/L	101	5.0		SW846 7470A	07/19-07/20/07	J2QE11AU
Dilution Factor: 10									

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TCLP Metals**

Client Lot #...: A7G120192

Matrix.....: SOLID

Date Sampled...: 07/03/07

Date Received...: 07/13/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #:</b> A7G140103-001							
<b>Prep Batch #...</b> : 7200065							
<b>Leach Date.....</b> : 07/18/07							
<b>Leach Batch #...</b> : P719913							
Mercury	100	(50 - 150)			SW846 7470A	07/19-07/20/07	J2W551C7
	101	(50 - 150)	1.1	(0-20)	SW846 7470A	07/19-07/20/07	J2W551C8
Dilution Factor: 1							
Arsenic	106	(50 - 150)			SW846 6010B	07/19/07	J2W551C9
	111	(50 - 150)	4.7	(0-20)	SW846 6010B	07/19/07	J2W551DA
Dilution Factor: 10							
Barium	106	(50 - 150)			SW846 6010B	07/19/07	J2W551DC
	112	(50 - 150)	5.3	(0-20)	SW846 6010B	07/19/07	J2W551DD
Dilution Factor: 10							
Cadmium	107	(50 - 150)			SW846 6010B	07/19/07	J2W551DE
	112	(50 - 150)	5.0	(0-20)	SW846 6010B	07/19/07	J2W551DF
Dilution Factor: 10							
Chromium	106	(50 - 150)			SW846 6010B	07/19/07	J2W551DG
	112	(50 - 150)	5.0	(0-20)	SW846 6010B	07/19/07	J2W551DH
Dilution Factor: 10							
Lead	106	(50 - 150)			SW846 6010B	07/19/07	J2W551DJ
	111	(50 - 150)	4.5	(0-20)	SW846 6010B	07/19/07	J2W551DK
Dilution Factor: 10							
Selenium	105	(50 - 150)			SW846 6010B	07/19/07	J2W551DL
	110	(50 - 150)	4.5	(0-20)	SW846 6010B	07/19/07	J2W551DM
Dilution Factor: 10							
Silver	79	(50 - 150)			SW846 6010B	07/19/07	J2W551DN
	89	(50 - 150)	11	(0-20)	SW846 6010B	07/19/07	J2W551DP
Dilution Factor: 10							

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: A7G120192  
 Date Sampled...: 07/03/07

Date Received...: 07/13/07

Matrix.....: SOLID

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
-----------	---------------	-----------	---------------	-------	---------------	-----	--------	----------------------------	--------------

MS Lot-Sample #: A7G140103-001 Prep Batch #...: 7200065  
 Leach Date.....: 07/18/07 Leach Batch #...: P719913

Mercury

ND	0.0050	0.0050	mg/L	100			SW846 7470A	07/19-07/20/07	J2W551C7
ND	0.0050	0.0051	mg/L	101	1.1		SW846 7470A	07/19-07/20/07	J2W551C8
Dilution Factor: 1									

Arsenic

ND	5.0	5.3	mg/L	106			SW846 6010B	07/19/07	J2W551C9
ND	5.0	5.6	mg/L	111	4.7		SW846 6010B	07/19/07	J2W551DA
Dilution Factor: 10									

Barium

ND	50.0	53.0	mg/L	106			SW846 6010B	07/19/07	J2W551DC
ND	50.0	55.9	mg/L	112	5.3		SW846 6010B	07/19/07	J2W551DD
Dilution Factor: 10									

Cadmium

ND	1.0	1.1	mg/L	107			SW846 6010B	07/19/07	J2W551DE
ND	1.0	1.1	mg/L	112	5.0		SW846 6010B	07/19/07	J2W551DF
Dilution Factor: 10									

Chromium

ND	5.0	5.3	mg/L	106			SW846 6010B	07/19/07	J2W551DG
ND	5.0	5.6	mg/L	112	5.0		SW846 6010B	07/19/07	J2W551DH
Dilution Factor: 10									

Lead

ND	5.0	5.3	mg/L	106			SW846 6010B	07/19/07	J2W551DJ
ND	5.0	5.6	mg/L	111	4.5		SW846 6010B	07/19/07	J2W551DK
Dilution Factor: 10									

Selenium

ND	1.0	1.0	mg/L	105			SW846 6010B	07/19/07	J2W551DL
ND	1.0	1.1	mg/L	110	4.5		SW846 6010B	07/19/07	J2W551DM
Dilution Factor: 10									

Silver

ND	1.0	0.80	mg/L	79			SW846 6010B	07/19/07	J2W551DN
ND	1.0	0.89	mg/L	89	11		SW846 6010B	07/19/07	J2W551DP
Dilution Factor: 10									

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**General Chemistry**

Client Lot #...: A7G120192

Matrix.....: SOLID

Date Sampled...: 07/18/07 10:30 Date Received...: 07/18/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
						<b>% Moisture.....: 100</b>	
Reactive Cyanide			WO#: J241K1A1-MS/J241K1A2-MSD	MS	Lot-Sample #: A7G190140-001		
	25	(10 - 200)			SW846 7.3.3	07/23/07	7204350
	25	(10 - 200)	0.0	(0-100)	SW846 7.3.3	07/23/07	7204350
			Dilution Factor: 1				
						<b>% Moisture.....: 100</b>	
Reactive Sulfide			WO#: J241K1A3-MS/J241K1A4-MSD	MS	Lot-Sample #: A7G190140-001		
	11	(10 - 200)			SW846 7.3.4	07/23/07	7204351
	15	(10 - 200)	31	(0-100)	SW846 7.3.4	07/23/07	7204351
			Dilution Factor: 1				

**NOTE(S):**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A7G120192

Matrix.....: SOLID

Date Sampled...: 07/18/07 10:30 Date Received...: 07/18/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
% Moisture.....: 100									
Reactive Cyanide			WO#: J241K1A1-MS/J241K1A2-MSD				MS Lot-Sample #: A7G190140-001		
ND	100		mg/kg	25			SW846 7.3.3	07/23/07	7204350
ND	100		mg/kg	25	0.0		SW846 7.3.3	07/23/07	7204350

Dilution Factor: 1

% Moisture.....: 100									
Reactive Sulfide			WO#: J241K1A3-MS/J241K1A4-MSD				MS Lot-Sample #: A7G190140-001		
ND	250		mg/kg	11			SW846 7.3.4	07/23/07	7204351
ND	250		mg/kg	15	31		SW846 7.3.4	07/23/07	7204351

Dilution Factor: 1

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.



SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7G120192

Work Order #...: J2RCW-SMP  
J2RCW-DUP

Matrix.....: SOLID

Date Sampled...: 07/10/07 10:35 Date Received...: 07/12/07

% Moisture.....: 19

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	80.7	82.1	%	1.7	(0-20)	SD Lot-Sample #: A7G120317-002 MCAWW 160.3 MOD	07/12-07/13/07	7193523
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7G120192

Work Order #...: J2QC4-SMP  
J2QC4-DUP

Matrix.....: SO

Date Sampled...: 07/10/07 15:45

Date Received...: 07/11/07

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Corrosivity	9.6	9.2	No Units	3.7	(0-20)	SD Lot-Sample #: A7G120192-045 SW846 9045A	07/12/07	7193545

Dilution Factor: 1











SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7G120192

Work Order #...: J2XFD-SMP  
J2XFD-DUP

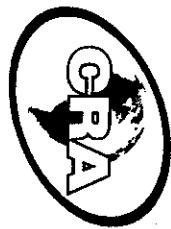
Matrix.....: SOLID

Date Sampled...: 07/13/07 11:30 Date Received...: 07/14/07

% Moisture.....: 23

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Flashpoint						SD Lot-Sample #:	A7G140133-001	
	>180	>180	deg F	0.0	(0-20)	SW846 1010	07/16/07	7197350

Dilution Factor: 1



# CONESTOGA-ROVERS & ASSOCIATES

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 4

ID # No D 3668

SSOW Ref Code: E030012

Laboratory: STL (Test America)

Laboratory Location: North Canton OH

Laboratory Contact:

Requested Due Date:

QA/QC Requirements:

TAT: 2w/1.

Report To: Kathy Shaw

Company: CRA, Inc.

Address: 14496 Sheldon Rd.

Suite 200

Plymouth, MI 48170

Phone: 734-453-5123

Fax: 734-453-5201

Project Name: CM 6/20/05

Project Number: 17360

Email:

Analysis and Method

Valid Matrix Codes:	
WG	Groundwater
WB	Borehole Water
WS	Surface Water
SO	Soil
SE	Sediment
See Back for Additional Codes	

Matrix Code

Date Collected

Time Collected

# Containers

Unpreserved

HCl

H2SO4

HNO3

NaOH

Other:

Preservative

PnAS

TAL metals

Remarks/Lab ID

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Preservative	Analysis and Method	Remarks/Lab ID
1. SO-17360-071007-BL 618	SO	7/10/07	0835	1									
2. 619			0840	1									
3. 620			0845	1									
4. 621			0850	1									
5. 622			0855	1									
6. 623			0915	1									
7. 624			0920	1									
8. 625			0925	1									
9. 626			0930	1									
10. 627			0935	1									
11. 628			0955	1									
12. 629			1000	1									
13. 630			1005	1									
14. 631			1010	1									
15. 632			1015	1									

TOTAL NUMBER OF CONTAINERS

SHIPMENT METHOD	NO. OF COOLERS	REQUISITION BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
CD-62	2	BSA	7/11/07	1700	[Signature]	7-11-07	9:40

AIRBILL NO.

Sample Condition

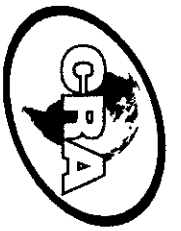
Temp in C	Y/N
Received on Ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Additional Comments:

Sample Name:

Sampler Signature:

Date:



# CONESTOGA-ROVERS & ASSOCIATES

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 2 OF 4

ID # N<sup>o</sup> D 3669

SSOW Ref. Code: E030012

**Required Client Information:**

Company: CRA, Inc. Report To: *Kathy Shaw*

Address: 14496 Sheldon Rd. Copy To:

Suite 200 Invoice To:

Plymouth, MI 48170 P.O.:

Phone: 734-453-5123 Project Name: *Gen Land Acq. 05*

Fax: 734-453-5201 Project Number: *17360*

Email:

Laboratory: *STL*

Laboratory Location: *North Canton, OH*

Laboratory Contact:

Requested Due Date:

QA/QC Requirements:

TAT: *2 wks*

Valid Matrix Codes:	Matrix Code
WG Groundwater	
WB Borehole Water	
WS Surface Water	
SO Soil	
SE Sediment	
See Back for Additional Codes	
Preservative	Date Collected
Unpreserved	
HCl	
H2SO4	
HNO3	
NaOH	
Other:	

Analysis and Method	Time Collected

Remarks/Lab ID	# Containers

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method	Remarks/Lab ID
1. <i>So-17360-071007-BW-633</i>	<i>SO</i>	<i>7/10/07</i>	<i>1100</i>	<i>1</i>	<i>1</i>						<i>PNAS</i>	
2. <i>634</i>			<i>1105</i>	<i>1</i>	<i>1</i>						<i>X</i>	
3. <i>635</i>			<i>1110</i>	<i>1</i>	<i>1</i>						<i>X</i>	
4. <i>636</i>			<i>1115</i>	<i>1</i>	<i>1</i>						<i>X</i>	
5. <i>637</i>			<i>1120</i>	<i>1</i>	<i>1</i>						<i>X</i>	
6. <i>638</i>			<i>1220</i>	<i>1</i>	<i>1</i>						<i>X</i>	
7. <i>639</i>			<i>1225</i>	<i>1</i>	<i>1</i>						<i>X</i>	
8. <i>640</i>			<i>1230</i>	<i>1</i>	<i>1</i>						<i>X</i>	
9. <i>641</i>			<i>1235</i>	<i>1</i>	<i>1</i>						<i>X</i>	
10. <i>642</i>			<i>1240</i>	<i>1</i>	<i>1</i>						<i>X</i>	
11. <i>643</i>			<i>1241</i>	<i>1</i>	<i>1</i>						<i>X</i>	
12. <i>644</i>			<i>1300</i>	<i>1</i>	<i>1</i>						<i>X</i>	
13. <i>645</i>			<i>1303</i>	<i>1</i>	<i>1</i>						<i>X</i>	
14. <i>646</i>			<i>1306</i>	<i>1</i>	<i>1</i>						<i>X</i>	
15. <i>647</i>			<i>1312</i>	<i>1</i>	<i>1</i>						<i>X</i>	

TOTAL NUMBER OF CONTAINERS

SHIPMENT METHOD: *2* NO. OF COOLERS: *2* RELEASED BY / AFFILIATION: *[Signature]* DATE: *7/11/07* TIME: *1700* RECEIVED BY / AFFILIATION: *[Signature]* DATE: *7/11/07* TIME: *9:45*

AIRBILL NO.:

Sample Condition:

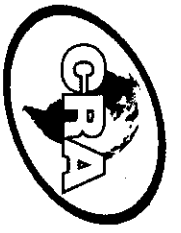
Temp in C	Y/N
Received on Ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Additional Comments:

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampler Copy

TestAmerica North Canton





# CONESTOGA-ROVERS & ASSOCIATES

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 4 OF 4

ID # N<sup>o</sup> D 3672

SSOW Ref. Code: E030012

**Required Client Information:**

Company: CRA, Inc. Report To: Kelly Shaw  
 Address: 14496 Sheldon Rd. Copy To:  
 Suite 200 Plymouth, MI 48170 Invoice To:  
 P.O.:  
 Phone: 734-453-5123 Project Name: CN G.R mda/  
 Fax: 734-453-5201 Project Number: 17360  
 Email:

Laboratory: STL  
 Laboratory Location:  
 Laboratory Contact:  
 Requested Due Date: TAT: 2wk  
 QA/QC Requirements:

Sample Identification:	Valid Matrix Codes: WG Groundwater WB Borehole Water WS Surface Water SO Soil SE Sediment See Back for Additional Codes	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	Preservative					Analysis and Method	Remarks/Lab ID
							HCl	H2SO4	HNO3	NaOH	Other:		
1. SO-17360-071007-BW-662	SO		7/10/07	1545	2	<input checked="" type="checkbox"/>					X	TCLP metals	
2. W-17360-071007-BW-663	W		7/10/07	1600	2	<input checked="" type="checkbox"/>					X	TCLP VOCs	
											X	TCLP SVOCs	
											X	PCI	

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Every	2	ESL	7/11/07	1700	[Signature]	7/10/07	9:40

SHIPMENT METHOD: Every NO. OF COOLERS: 2 RELINQUISHED BY / AFFILIATION: ESL DATE: 7/11/07 TIME: 1700 RECEIVED BY / AFFILIATION: [Signature] DATE: 7/10/07 TIME: 9:40

AIRBILL NO. \_\_\_\_\_

Temp in C \_\_\_\_\_ Received on Ice Y/N Sealed Cooler Y/N Samples Intact Y/N

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

Sampler Name: \_\_\_\_\_ Date: \_\_\_\_\_

Sampler Signature: \_\_\_\_\_





***END OF REPORT***

ATTACHMENT C  
DATA VALIDATION MEMORANDUM



**CONESTOGA-ROVERS  
& ASSOCIATES**

45 Farmington Valley Drive  
Plainville, Connecticut 06062  
Telephone: (860) 747-1800 Fax: (860) 747-1900  
www.CRAworld.com

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## MEMORANDUM

---

TO: Gary Klepper  
FROM: Kathy Shaw/dy/2/CT *[Signature]*  
RE: Data Quality Assessment and Validation  
2005 Second Soil Investigation  
General Motors Grand Rapids MFD Site - Grand Rapids, Michigan

REF. 17360  
NO.:  
DATE: March 23, 2006  
SSOW: 17307-030002

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The following details a quality assessment and validation of the analytical data resulting from the December 12, 2005, collection of 31 soil and two (2) quality control samples from the General Motors Grand Rapids MFD Site in Grand Rapids, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories in North Canton, Ohio (STL) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999;
- ii. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", EPA-540/R-94/013, February 1994.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

The following elements are addressed in this memorandum with qualification if necessary in the identified tables:

	Data Review Element	Qualification Table
1	Sample Quantitation	NA
2	Sample Preservation and Holding Times	NA
3	Method Blank Samples	NA
4	Surrogate Compounds - Organic Analyses	Table 3
5	Matrix Spike/Matrix Spike Duplicate Analyses	NA
6	Laboratory Control Sample Analysis/Laboratory Control Duplicate	NA
7	Field Quality Assurance/Quality Control	NA

### Sample Quantitation

The laboratory reported detected concentrations of polynuclear aromatics (PNA) and metals below the laboratory's report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J" or a "B" for PNA and metals respectively. These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum. The laboratory "B" flags may be disregarded.

The PNA sample analysis resulted in a number of concentrations reported in excess of the calibration range, which were flagged by the laboratory with an "E". These concentrations should be qualified as estimated (J) concentrations and should not be reported. The analytes with concentrations in excess of the calibration range were reanalyzed at appropriate dilutions; these values should be reported.

### Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2. Samples were prepared and/or analyzed within the specified holding time periods. The samples were shipped and maintained in accordance with the sample preservation requirements.

### Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The Method blank samples were reported to be free from detectable levels of target analytes, indicating no additional laboratory-attributable contamination occurred.

### Surrogate Compounds - Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

The surrogate recovery acceptance criteria were met for all samples that could be evaluated with the exception of samples presented with qualifiers in Table 3.

### Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods and the NFG, which require recoveries between 75 to 125 percent with RPDs less than 35 percent for soil samples. The sample selected for MS/MSD analysis is identified in Table 1. The MS/MSD percent recoveries and associated RPD acceptance criteria were met.

### Laboratory Control Sample/Laboratory Control Duplicate Analysis

The laboratory control sample and laboratory control duplicate (LCS/LCD) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS/LCD percent recoveries were evaluated against method and laboratory established control limits. The LCS/LCD percent recoveries were within the laboratory control limits or did not warrant qualification, indicating that an acceptable level of overall performance was achieved.

Laboratory precision was verified by the relative percent difference (RPD) of the LCS/LCD when a matrix spike/matrix spike duplicate was not analyzed. The RPDs were within the laboratory control limits, indicating that an acceptable level of overall laboratory precision was achieved.

### Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of two (2) field duplicate sample sets. Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 100 percent for soil samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is two times the RL value for soil samples. Table 4 presents the RPDs of detected analytes in duplicate sample sets. The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision based on the provided information and may be used with the qualifications noted.

**TABLE 1**  
**SAMPLE COLLECTION AND ANALYSIS SUMMARY**  
**2005 SECOND SOIL INVESTIGATION**  
**GENERAL MOTORS GRAND RAPIDS MFD SITE**  
**GRAND RAPIDS, MICHIGAN**

Sample Identification	Sample Location	Sample Depth Start - (ft-bgs) - End		Matrix	QC Sample	<u>Parameters</u>	
						PNA	RCRA Metals
SO-17360-121205-DCR-585	SB25-05	0	2	Soil		X	X
SO-17360-121205-DCR-586	SB25-05	2	4	Soil		X	X
SO-17360-121205-DCR-587	SB25-05	4	6	Soil		X	X
SO-17360-121205-DCR-588	SB25-05	6	8	Soil		X	X
SO-17360-121205-DCR-589	SB25-05	6	8	Soil	Duplicate (588)	X	X
SO-17360-121205-DCR-590	SB25-05	8	10	Soil		X	X
SO-17360-121205-DCR-591	SB24-05	0	2	Soil		X	X
SO-17360-121205-DCR-592	SB24-05	4	6	Soil		X	X
SO-17360-121205-DCR-593	SB24-05	8	10	Soil		X	X
SO-17360-121205-DCR-594	SB23-05	0	2	Soil		X	X
SO-17360-121205-DCR-595	SB23-05	4	6	Soil		X	X
SO-17360-121205-DCR-596	SB23-05	8	10	Soil		X	X
SO-17360-121205-DCR-597	SB22-05	0	2	Soil		X	X
SO-17360-121205-DCR-598	SB22-05	2	4	Soil		X	X
SO-17360-121205-DCR-599	SB22-05	4	6	Soil		X	X
SO-17360-121205-DCR-600	SB22-05	6	8	Soil		X	X
SO-17360-121205-DCR-601	SB22-05	8	10	Soil	MS/MSD	X	X
SO-17360-121205-DCR-602	SB21-05	0	2	Soil		X	X
SO-17360-121205-DCR-603	SB21-05	2	4	Soil		X	X
SO-17360-121205-DCR-604	SB21-05	4	6	Soil		X	X
SO-17360-121205-DCR-605	SB21-05	6	8	Soil		X	X
SO-17360-121205-DCR-606	SB21-05	8	10	Soil		X	X
SO-17360-121205-DCR-607	SB20-05	0	2	Soil		X	X
SO-17360-121205-DCR-608	SB20-05	2	4	Soil		X	X
SO-17360-121205-DCR-609	SB20-05	4	6	Soil		X	X
SO-17360-121205-DCR-610	SB20-05	6	8	Soil		X	X
SO-17360-121205-DCR-611	SB20-05	8	10	Soil		X	X
SO-17360-121205-DCR-612	SB19-05	0	2	Soil		X	X
SO-17360-121205-DCR-613	SB19-05	0	2	Soil	Duplicate (612)	X	X
SO-17360-121205-DCR-614	SB19-05	2	4	Soil		X	X
SO-17360-121205-DCR-615	SB19-05	4	6	Soil		X	X
SO-17360-121205-DCR-616	SB19-05	6	8	Soil		X	X
SO-17360-121205-DCR-617	SB19-05	8	10	Soil		X	X

Notes:

PNA- Polynuclear Aromatics

RCRA - Resource Conservation Recovery Act

QC - Quality Control

MS/MSD - Matrix Spike/ Matrix Splice Duplicate

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES  
 2005 SECOND SOIL INVESTIGATION  
 GENERATL MOTORES GRAND RAPIDS MFD SITE  
 GRAND RAPIDS, MICHIGAN

<i>Parameter</i>	<i>Method</i>	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
PNA	SW-846 8270C	Soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis	Iced, 4 ± 2° C
RCRA Metals		Soil	- 180 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
Arsenic	SW-846 6010B			
Barium	SW-846 6010B			
Cadmium	SW-846 6010B			
Chromium Total	SW-846 6010B			
Lead	SW-846 6010B			
Selenium	SW-846 6010B			
Silver	SW-846 6010B			
Mercury	SW-846 7471A	Soil	- 28 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", 3rd Edition, and Promulgated updates, November 1986				

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VIOLATION OF SURROGATE RECOVERY ACCEPTANCE CRITERIA  
 2005 SECOND SOIL INVESTIGATION  
 GENERAL MOTORS GRAND RAPIDS MFD SITE  
 GRAND RAPIDS, MICHIGAN

Parameter	Surrogate	Surrogate Recovery (percent)	Control Limits (percent)	Sample ID	Analytes	Sample Results	Units	Qualifier
PNA	2,4,6-Tribromophenol	32	33-116	SO-17360-121205-DCR-602	2-Methylnaphthalene	130	µg/kg	J
					Acenaphthene	180	µg/kg	J
					Acenaphthylene	26	µg/kg	J
					Anthracene	570	µg/kg	J
					Benzo(g,h,i)perylene	1300	µg/kg	J
					Benzo(k)fluoranthene	820	µg/kg	J
					Dibenz(a,h)anthracene	430	µg/kg	J
					Fluorene	260	µg/kg	J
					Indeno(1,2,3-cd)pyrene	1100	µg/kg	J
					Naphthalene	92	µg/kg	J
PNA	2,4,6-Tribromophenol	31	33-116	SO-17360-121205-DCR-602	Benzo(a)anthracene	2100	µg/kg	J
					Benzo(a)pyrene	2000	µg/kg	J
					Benzo(b)fluoranthene	3000	µg/kg	J
					Chrysene	2600	µg/kg	J
					Fluoranthene	3100	µg/kg	J
					Phenanthrene	2200	µg/kg	J
					Pyrene	2600	µg/kg	J
					2-Methylnaphthalene	11	µg/kg	J
					Acenaphthene	280 U	µg/kg	UJ
					Acenaphthylene	280 U	µg/kg	UJ
PNA	2,4,6-Tribromophenol	33	33-116	SO-17360-121205-DCR-612	Anthracene	23	µg/kg	J
					Benzo(a)anthracene	160	µg/kg	J
					Benzo(a)pyrene	180	µg/kg	J
					Benzo(b)fluoranthene	230	µg/kg	J
					Benzo(g,h,i)perylene	140	µg/kg	J
					Benzo(k)fluoranthene	70	µg/kg	J
					Chrysene	170	µg/kg	J
					Dibenz(a,h)anthracene	37	µg/kg	J
					Fluoranthene	250	µg/kg	J
					Fluorene	280 U	µg/kg	UJ
PNA	2,4,6-Tribromophenol	33	33-116	SO-17360-121205-DCR-612	Indeno(1,2,3-cd)pyrene	120	µg/kg	J
					Naphthalene	7.5	µg/kg	J
					Phenanthrene	98	µg/kg	J

TABLE 3

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VIOLATION OF SURROGATE RECOVERY ACCEPTANCE CRITERIA  
 2005 SECOND SOIL INVESTIGATION  
 GENERAL MOTORS GRAND RAPIDS MFD SITE  
 GRAND RAPIDS, MICHIGAN

Parameter	Surrogate	Surrogate Recovery (percent)	Control Limits (percent)	Sample ID	Analytes	Sample Results	Units	Qualifier
PNA	Nitrobenzene-d5	40	42-110	SO-17360-121205-DCR-615	Pyrene	210	µg/kg	J
					2-Methylnaphthalene	280 U	µg/kg	UJ
					Acenaphthene	280 U	µg/kg	UJ
					Acenaphthylene	280 U	µg/kg	UJ
					Anthracene	280 U	µg/kg	UJ
					Benzo(a)anthracene	280 U	µg/kg	UJ
					Benzo(a)pyrene	280 U	µg/kg	UJ
					Benzo(b)fluoranthene	280 U	µg/kg	UJ
					Benzo(g,h,i)perylene	280 U	µg/kg	UJ
					Benzo(k)fluoranthene	280 U	µg/kg	UJ
					Chrysene	280 U	µg/kg	UJ
					Dibenz(a,h)anthracene	280 U	µg/kg	UJ
					Fluoranthene	9.0 J	µg/kg	J
					Fluorene	280 U	µg/kg	UJ
					Indeno(1,2,3-cd)pyrene	280 U	µg/kg	UJ
					Naphthalene	280 U	µg/kg	UJ
					Phenanthrene	280 U	µg/kg	UJ
					Pyrene	280 U	µg/kg	UJ

Notes:

- J - Estimated Concentration
- UJ - Estimated Report Limit
- U - Not present at or above the associated value

TABLE 4

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS  
 2005 SECOND SOIL INVESTIGATION  
 GENERAL MOTORS GRAND RAPIDS MFD SITE  
 GRAND RAPIDS, MICHIGAN

Parameter	Analyte	Original Sample ID	Original Result	Duplicate Sample ID	Duplicate Result	RPD	Units	
PNA	Anthracene	SO-17360-121205-DCR-588	280 U	SO-17360-121205-DCR-589	7.6 J	NC	µg/kg	
	Benzo(a)anthracene		21 J		32 J	42	µg/kg	
	Benzo(a)pyrene		15 J		26 J	54	µg/kg	
	Benzo(b)fluoranthene		26 J		38 J	38	µg/kg	
	Benzo(g,h,i)perylene		11 J		17 J	43	µg/kg	
	Benzo(k)fluoranthene		9.2 J		18 J	65	µg/kg	
	Chrysene		24 J		33 J	32	µg/kg	
	Fluoranthene		46 J		68 J	39	µg/kg	
	Indeno(1,2,3-cd)pyrene		9.5 J		16 J	51	µg/kg	
	Phenanthrene		33 J		44 J	29	µg/kg	
	Pyrene		34 J		47 J	32	µg/kg	
	RCRA Metals	Arsenic		1.6		1.2	29	µg/kg
		Barium		6.4		4.3	39	µg/kg
		Cadmium		0.057 J		0.084 U	NC	µg/kg
Chromium Total			12.0		11.1	7.8	µg/kg	
Lead			10.3		4.6	77	µg/kg	
Mercury			0.042 U		0.017 J	NC	µg/kg	
PNA	2-Methylnaphthalene	SO-17360-121205-DCR-612	11 J	SO-17360-121205-DCR-613	13 J	17	µg/kg	
	Anthracene		23 J		23 J	0	µg/kg	
	Benzo(a)anthracene		160 J		130 J	21	µg/kg	
	Benzo(a)pyrene		180 J		130 J	32	µg/kg	
	Benzo(b)fluoranthene		230 J		200 J	14	µg/kg	
	Benzo(g,h,i)perylene		140 J		95 J	38	µg/kg	
	Benzo(k)fluoranthene		70 J		71 J	1.4	µg/kg	
	Chrysene		170 J		130 J	27	µg/kg	
	Dibenz(a,h)anthracene		37 J		261 J	35	µg/kg	
	Fluoranthene		250 J		210 J	17	µg/kg	
	Fluorene		280 U		7.3 J	NC	µg/kg	
	Indeno(1,2,3-cd)pyrene		120 J		84 J	35	µg/kg	
	Naphthalene		7.5 J		11 J	38	µg/kg	
	Phenanthrene		98 J		90 J	8.5	µg/kg	
Pyrene		210 J		180 J	15	µg/kg		

TABLE 4

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS  
 2005 SECOND SOIL INVESTIGATION  
 GENERAL MOTORS GRAND RAPIDS MFD SITE  
 GRAND RAPIDS, MICHIGAN

Parameter	Analyte	Original Sample ID	Original Result	Duplicate Sample ID	Duplicate Result	RPD	Units
RCRA Metals	Arsenic	SO-17360-121205-DCR-612	2.3	SO-17360-121205-DCR-613	2.2	4.4	µg/kg
	Barium		17.8		13.7	26	µg/kg
	Cadmium		0.21		0.16	27	µg/kg
	Chromium Total		26.0		12.1	73	µg/kg
	Lead		8.6		6.8	23	µg/kg
	Mercury		0.016 J		0.022 J	32	µg/kg

Notes:

- RPD Relative Percent Difference
- NC - Not calculable
- J - Estimated Concentration
- U - Not present at or above the associated value

ATTACHMENT D  
EARTH METAL ANALYTICAL RESULTS

TABLE D

SUMMARY OF ANALYTICAL RESULTS IN SOIL SAMPLES FOR EARTH METALS  
 GENERAL MOTORS CORPORATION  
 GRAND RAPIDS METAL PLANT  
 WYOMING, MICHIGAN

Sample Location	SB26-07	SB26-07	SB26-07	SB26-07	SB26-07	SB27-07	SB27-07	SB27-07	SB27-07	SB27-07	SB28-07	SB28-07	SB28-07	SB28-07	SB28-07	SB29-07	SB29-07	SB29-07	SB29-07	SB29-07	SB30-07	SB30-07	SB30-07		
Sample Identification (SO-17360-071007-)	BW-618	BW-619	BW-620	BW-621	BW-622	BW-623	BW-624	BW-625	BW-626	BW-627	BW-628	BW-629	BW-630	BW-631	BW-632	BW-633	BW-634	BW-635	BW-636	BW-637	BW-644	BW-645	BW-646		
Sample Date	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007		
Sample Depth	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS		
Sample Type	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)	(Original)		
	Units																								
<i>Metals</i>																									
Aluminum	mg/kg	2670	9260	3690	2570	2550	3150	4060	2920	2720	2780	4220	7860	3080	2570	2470	465	147	4660	2930	2100	3060	1850	1550	
Calcium	mg/kg	6910 J	16000 J	3960 J	669 J	709 J	18500 J	36200 J	18100 J	3920 J	943 J	3690 J	9770 J	13500 J	492 J	583 J	647 J	410 UJ	430 UJ	425 UJ	419 UJ	7750	8620	7700	
Iron	mg/kg	109000	276000	6580	14600	5460	186000	278000	4950	2480	3800	186000	3280	6800	96000	7390	4370	11100	5580	4840	8000	4330	5270	3760	3160
Magnesium	mg/kg	2870 J	4330 J	657 J	767 J	928 J	5010 J	3090 J	3630 J	404 J	1210 J	234 J	407 J	2300 J	863 J	772 J	227 J	82.0 UJ	468 J	1160 J	633 J	3550 J	3050 J	2510 J	
Potassium	mg/kg	458 U	1260	523 U	450 U	434 U	477 U	666	599 U	515 U	486 U	445 U	457 U	446 U	428 U	425 U	418 U	410 U	430 U	425 U	419 U	417 U	416 U	412 U	
Sodium	mg/kg	524	2160	1260	383	414	2450	2220	1770	1620	448	755	1260	1460	242	211	704	245	809	359	383	83.4 U	83.3 U	82.4 U	

Notes:  
 U - Not present at or above the associated value.  
 J - Estimated concentration.  
 UJ - Estimated reporting limit.  
 R - Rejected.

TABLE D

SUMMARY OF ANALYTICAL RESULTS IN SOIL SAMPLES FOR EARTH METALS  
 GENERAL MOTORS CORPORATION  
 GRAND RAPIDS METAL PLANT  
 WYOMING, MICHIGAN

Sample Location	SB30-07	SB30-07	SB30-07	SB31-07	SB31-07	SB31-07	SB31-07	SB31-07	SB31-07	SB31-07	SB32-07	SB32-07	SB32-07	SB32-07	SB32-07	SB33-07	SB33-07	SB33-07	SB33-07	SB33-07	SB33-07	
Sample Identification (SO-17360-071007-)	BW-647	BW-648	BW-649	BW-656	BW-657	BW-658	BW-659	BW-660	BW-661	BW-638	BW-639	BW-640	BW-641	BW-642	BW-643	BW-650	BW-651	BW-652	BW-653	BW-654	BW-655	
Sample Date	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	7/10/2007	
Sample Depth	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	8-10 ft BGS	
Sample Type	(Original)	(Original)	Duplicate	(Original)	(Original)	(Original)	(Original)	(Original)	Duplicate	(Original)	(Original)	(Original)	(Original)	(Original)	Duplicate	(Original)	(Original)	(Original)	(Original)	(Original)	Duplicate	
	Units																					
<i>Metals</i>																						
Aluminum	mg/kg	1450	1720	1630	1750	2020	1600	1390	2860	2870	3150	2460	3250	3520	2760	2200	1590	1930	1460	1770	2900	2620
Calcium	mg/kg	7150	6190	9560	23000	27100	32900	19600	35600	14100	2610	1780	3230	1710	1020	546	22400	24400	23100	32500	6500 J	523 J
Iron	mg/kg	2950	3610	3380	4240	4430	4100	3630	4040	7820	8190	3810	5090	5760	3900	3770	4220	4260	3620	4790	4460	3580
Magnesium	mg/kg	2030 J	1950 J	3010 J	5710 J	11500 J	15800 J	5090 J	2060 J	5330 J	1140 J	941 J	1340 J	1690 J	788 J	629 J	6230 J	8490 J	10700 J	10900 J	2570 J	417 J
Potassium	mg/kg	416 U	415 U	416 U	414 U	420 U	414 U	413 U	423 U	424 U	421 U	418 U	423 U	422 U	423 U	424 U	408 U	411 U	412 U	424 U	419 U	419 U
Sodium	mg/kg	83.3 U	82.9 U	83.3 U	82.8 U	84.0 U	82.8 U	82.6 U	84.7 U	84.9 U	280	195	221	84.5 U	116	115	81.6 U	82.1 U	82.3 U	99.1	83.8 U	83.9 U

Notes:  
 U - Not present at or above the associated value.  
 J - Estimated concentration.  
 UJ - Estimated reporting limit.  
 R - Rejected.