SEVERN TRENT STL

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Tel: 865 291 3000 Fax: 865 584 4315
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 142541

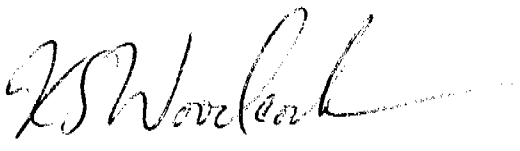
Focus/US Filter Westates M29

Lot #: H6D030224

William Anderson

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

SEVERN TRENT LABORATORIES, INC.



Kevin S. Woodcock
Project Manager

April 14, 2006

ANALYTICAL METHODS SUMMARY

H6D030224

PARAMETER	ANALYTICAL METHOD
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

H6D030224

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2HV1	001	G-2953/2954-R1-METHOD 0060/29 FRONT HALF COMPOSITE	03/28/06	
H2HV2	002	G-2955-R1-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS	03/28/06	
H2HV3	003	G-2956-R1-METHOD 0060/29 EMPTY IMPINGER #4	03/28/06	
H2HV6	004	G-2957-R1-METHOD 0060/29 4% KMNO4/10% H2SO4 IMPINGERS	03/28/06	
H2HV7	005	G-2958-R1-METHOD 0060/29 8N HCL IMPINGER RINSE	03/28/06	
H2HV8	006	G-2959/2960/2964/2965/2970/2971-R1 M29 BLANK FRONT HALF	03/28/06	
H2HWF	007	G-2961/2966/2972-R1 M29 BLANK BACK HALF	03/28/06	
H2HWL	008	G-3163/2967/2973-R1 M29 BLANK EMPTY IMPINGER	03/28/06	
H2HWN	009	G-2962/2968/2974-R1 M29 BLANK KMNO4 IMPINGER	03/28/06	
H2HWP	010	G-2963/2969/2975-R1 M29 BLANK HCL IMPINGER RINSE	03/28/06	
H2HWQ	011	G-3057/3058-R2-METHOD 0060/29 FRONT HALF COMPOSITE	03/29/06	
H2HWT	012	G-3059-R2-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS	03/29/06	
H2HWV	013	G-3060-R2-METHOD 0060/29 EMPTY IMPINGER #4	03/29/06	
H2HW0	014	G-3061-R2-METHOD 0060/29 4% KMNO4/10% H2SO4 IMPINGERS	03/29/06	
H2HW2	015	G-3062-R2-METHOD 0060/29 8N HCL IMPINGER RINSE	03/29/06	
H2HW4	016	G-3141/3142-R3-METHOD 0060/29 FRONT HALF COMPOSITE	03/30/06	
H2HW5	017	G-3143-R3-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS	03/30/06	
H2HW6	018	G-3144-R3-METHOD 0060/29 EMPTY IMPINGER #4	03/30/06	
H2HW7	019	G-3145-R3-METHOD 0060/29 4% KMNO4/10% H2SO4 IMPINGERS	03/30/06	
H2HW8	020	G-3146-R3-METHOD 0060/29 8N HCL IMPINGER RINSE	03/30/06	
H2HXA	021	A-5383 MEDIA CHECK	03/28/06	

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 statcd 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.

PROJECT NARRATIVE
H6D030224

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present upon sample receipt at STL Knoxville; however, the samples were hand delivered.

The "Relinquished by" field on the chain of custody documentation did not contain a signature.

Quality Control

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

Multi-Metals Train Preparation and Analysis

These stack gas samples were prepared and analyzed using STL Knoxville standard operating procedure KNOX-MT-0006 which is based on EPA SW-846 Method 0060, "Determination of Metals in Stack Emissions" and Method 29, "Determination of Metals Emissions from Stationary Sources". SW-846 Methods 6010B and 7470A as incorporated in STL Knoxville standard operating procedures KNOX-MT-0007 and KNOX-MT-0009 were used to perform the final instrument analysis.

Acid digestion was performed on the front half particulate filter and the nitric acid probe rinse fractions separately using HNO_3 and HF. After digestion, these two fractions were combined, and the HF was sequestered using H_3BO_3 followed by another heating cycle. This digestate was adjusted to final volume and analyzed by ICP. A portion of the ICP digestate was prepared for CVAA analysis in order to determine the particle-bound mercury. Results were calculated using the following equations:

PROJECT NARRATIVE
H6D030224

$$ICPAnalyte,\ \mu g = \left(\begin{array}{c}Raw\ Sample\\ Concentration,\ \mu g/L\end{array}\right) \times \left(\begin{array}{c}Bench\\ Dilution\\ Factor\end{array}\right) \times \left(\begin{array}{c}Final\ Volume\\ ICP\ \ Digestate,\ L\end{array}\right)$$

$$Hg,\ ug = \left(\begin{array}{c}Raw\ Sample\\ Concentration,\ \mu g/L\end{array}\right) \times \left(\begin{array}{c}Bench\\ Dilution\\ Factor\end{array}\right) \times \left(\begin{array}{c}Final\ Volume\\ ICP\ Digestate, L\end{array}\right) \times \left(\frac{Final\ Volume\ Hg\ Digestate, mL}{Volume\ ICP\ Digestate\ \ Used, mL}\right)$$

The 5%HNO_3/10%H_2O_2 impinger samples were reduced in volume to 100 mL. A 20 milliliter portion of the concentrated sample was removed and processed for mercury. The remaining 80 mL of concentrated sample was digested using HNO_3 and H_2O_2, adjusted to a final volume of 80 mL, and analyzed by ICP. Results were calculated using the following equations:

$$ICPAnalyte,\ \mu g = \left(\begin{array}{c}Raw\ Sample\\ Concentration, \mu g/L\end{array}\right) \times \left(\begin{array}{c}Bench\\ Dilution\\ Factor\end{array}\right) \times \left(\begin{array}{c}Final\ Volume\\ Concentrated\\ Sample, L\end{array}\right) \times \left(\frac{Final\ Volume\ ICP\ Digestate,\ mL}{Volume\ Conc.\ Sample\ Digested, mL}\right)$$

$$Hg,\ \mu g = \left(\begin{array}{c}Raw\ Sample\\ Concentration, \mu g/L\end{array}\right) \times \left(\begin{array}{c}Bench\\ Dilution\\ Factor\end{array}\right) \times \left(\begin{array}{c}Final Volume\\ Concentrated\\ Sample, L\end{array}\right) \times \left(\frac{Final\ Volume\ Hg\ \ Digestate,\ \ mL}{Volume\ Conc.\ Sample\ Digested, mL}\right)$$

For the 0.1N HNO_3 rinse samples (empty impingers), a 2.5 milliliter portion of the sample as received was removed and processed for mercury.

The 4% $KMnO_4$/10%H_2SO_4 impinger samples were filtered to remove MnO_2, followed by removal of a 25 mL portion of filtrate for mercury processing. The filtered MnO_2 residue was digested in HCl, combined with the HCl rinse sample and analyzed for mercury.

Results for the 0.1N HNO_3 rinse samples and the $KMnO_4$ filtrate were calculated using the following equation:

PROJECT NARRATIVE
H6D030224

$$Hg,\ ug = \begin{pmatrix} Raw\ Sample \\ Concentration,\ \mu g/L \end{pmatrix} \times \begin{pmatrix} Bench \\ Dilution \\ Factor \end{pmatrix} \times \begin{pmatrix} Total \\ Sample \\ Volume,\ L \end{pmatrix} \times \left(\frac{Final\ Volume\ Hg\ Digestate,\ mL}{Volume\ Sample\ Digested,\ mL} \right)$$

Results for the combined MnO_2 residue HCl digestates and HCl rinse samples were calculated as follows:

$$Hg,\ ug = \begin{pmatrix} Raw\ Sample \\ Concentration,\ \mu g/L \end{pmatrix} \times \begin{pmatrix} Bench \\ Dilution \\ Factor \end{pmatrix} \times \begin{pmatrix} Total\ Sample\ Volume,\ L \\ + \\ MnO_2\ HCl\ Volume,\ L \end{pmatrix} \times \left(\frac{Final\ Volume\ Hg\ Digestate,\ mL}{Volume\ Sample\ Digested,\ mL} \right)$$

Please note that the dilution factor reported on the mercury sample result form is actually the combination of preparation factors (not just a dilution factor) required by the method to convert the reporting limits and method detection limits in concentration units from ug/L to a total ug unit:

$$Hg\ Dilution\ Factor = \begin{pmatrix} Bench \\ Dilution \\ Factor \end{pmatrix} \times \begin{pmatrix} Total \\ Sample \\ Volume,\ L \end{pmatrix} \times \left(\frac{Final\ Volume\ Hg\ Digestate,\ mL}{Volume\ Sample\ Digested,\ mL} \right)$$

Note: The $Total\ Sample Volume,\ L$ for the 5%HNO_3/10%H_2O_2 impinger samples is the final volume of the concentrated sample. The $Total\ Sample Volume,\ L$ for the combined MnO_2 residue HCl digestates and HCl rinse samples is equal to the total sample volume plus the MnO_2 HCl volume.

The serial dilution of samples G-2953/2954-R1-Method 0060/29 Front Half Composite and G-2955-R1-Method 0060/29 5% HNO3/10% H2O2 Impingers were outside control limits for aluminum, copper and manganese due to physical or chemical matrix interferences.

The post digestion spike/post digestion spike duplicate recoveries for samples G-2953/2954-R1-Method 0060/29 Front Half Composite, G-3141/3142-R3-Method 0060/29 Front Half Composite and G-3057/3058-R2-Method 0060/29 Front Half Composite were outside control limits for lead. However, the laboratory control samples showed acceptable results indicating that the analysis was in control. Results outside of

PROJECT NARRATIVE
H6D030224

limits do not necessarily reflect poor method performance due to high analyte concentrations in the sample relative to the spike level.

The matrix spike duplicate recovery and RPD for sample G-2961/2966/2972-R1 M29 Blank Back Half was outside control limits for manganese. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

The matrix spike/matrix spike duplicate recoveries for sample G-2958-R1-Method 0060/29 8N HCL Impinger Rinse were outside control limits for mercury because the native analyte concentration in the sample was at least four times greater than the spike level. The laboratory control samples showed acceptable results indicating that the analysis was in control. This sample was redigested and analyzed at a dilution in order to provide a calculated percent recovery for the matrix spike/matrix spike duplicate. Both sets of data are included in the report.

The matrix spike duplicate recoveries and RPDs for samples G-2962/2968/2974- R1 M29 Blank KMN04 Impinger and G-2963/2969/2975-R1 M29 Blank HCL Impinger Rinse were outside control limits for mercury. However, the laboratory control samples showed acceptable results indicating that the analysis was in control. The samples received by the laboratory for the matrix spike duplicate analysis for the afore mentioned samples were reanalyzed for the purpose of confirming the samples as received were contaminated with mercury.

Sample Data Summary

STL Knoxville - ACS

Client Sample ID: G-2953/2954-R1-METHOD 0060/29 FRONT HALF COMPOSITE

TOTAL Metals

Lot-Sample #...: H6D030224-001 Matrix.....: AIR
Date Sampled...: 03/28/06 Date Received..: 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095073						
Aluminum	105	20.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AA
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 11.0	
Antimony	3.9 B	6.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AC
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 1.4	
Arsenic	5.6	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AD
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.35	
Barium	7.2 B	20.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AE
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.35	
Beryllium	0.20 B	0.50	ug	SW846 6010B	04/05-04/10/06	H2HV11AF
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.18	
Cadmium	10.2	0.50	ug	SW846 6010B	04/05-04/10/06	H2HV11AG
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.50	
Chromium	54.5	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AH
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.28	
Cobalt	0.62 B	5.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AJ
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.50	
Copper	162	2.5	ug	SW846 6010B	04/05-04/10/06	H2HV11AK
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.70	
Lead	352	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AL
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.37	
Manganese	59.5	1.5	ug	SW846 6010B	04/05-04/10/06	H2HV11AM
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.18	
Nickel	10.9	4.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AN
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.44	
Selenium	3.3	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV11AP
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-2953/2954-R1-METHOD 0060/29 FRONT HALF COMPOSITE

TOTAL Metals

Lot-Sample #...: H6D030224-001 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	**1.4 B**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV11AQ**
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.97	
Thallium	**10**	**3.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV11AR**
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 3.5	
Vanadium	**2.5 B**	**5.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV11AT**
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.50	
Zinc	**206**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV11AU**
		Dilution Factor: 1		Analysis Time..: 16:50	MDL.....: 0.38	
Prep Batch #...: 6097037						
Mercury	ND	0.20	ug	SW846 7470A	04/10/06	H2HV11AV
		Dilution Factor: 1		Analysis Time..: 15:46	MDL.....: 0.060	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-2955-R1-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-002 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095074						
Aluminum	**27.3**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AA**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 11.0	
Antimony	ND	6.0	ug	SW846 6010B	04/05-04/10/06	H2HV21AC
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 1.4	
Arsenic	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV21AD
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.33	
Barium	**3.0 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AE**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.30	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HV21AF
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.18	
Cadmium	**1.9**	**0.50**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AG**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.082	
Chromium	**1.5**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AH**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HV21AJ
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.50	
Copper	**5.1**	**2.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AK**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.70	
Lead	**4.8**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AL**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.37	
Manganese	**6.3**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AM**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.18	
Nickel	**1.1 B**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AN**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.40	
Selenium	**1.2**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AP**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-2955-R1-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-002 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	**1.2 B**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AQ**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.97	
Thallium	ND	3.5	ug	SW846 6010B	04/05-04/10/06	H2HV21AR
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 1.0	
Vanadium	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HV21AT
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.50	
Zinc	**12.4**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV21AU**
		Dilution Factor: 1		Analysis Time..: 15:36	MDL.....: 0.45	
Prep Batch #...: 6097038						
Mercury	**1.3**	**0.40**	**ug**	**SW846 7470A**	**04/10/06**	**H2HV21AV**
		Dilution Factor: 2		Analysis Time..: 16:47	MDL.....: 0.12	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-2956-R1-METHOD 0060/29 EMPTY IMPINGER #4

TOTAL Metals

Lot-Sample #...: H6D030224-003 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097038						
Mercury	ND	0.42	ug	SW846 7470A	04/10/06	H2HV31AA
		Dilution Factor: 2.1		Analysis Time..: 16:51	MDL.....: 0.13	

STL Knoxville - ACS

Client Sample ID: G-2957-R1-METHOD 0060/29 4% KMNO4/10% H2SO4 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-004 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	**0.93**	**0.14**	**ug**	**SW846 7470A**	**04/10/06**	**H2HV61AA**
		Dilution Factor: 0.72		Analysis Time..: 16:07	MDL.....: 0.043	

STL Knoxville - ACS

Client Sample ID: G-2958-R1-METHOD 0060/29 8N HCL IMPINGER RINSE

TOTAL Metals

Lot-Sample #...: H6D030224-005 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	**8.4**	**0.35**	**ug**	**SW846 7470A**	**04/10/06**	**H2HV71AA**
		Dilution Factor: 1.75		Analysis Time..: 16:13	MDL.....: 0.10	
Prep Batch #...: 6111407						
Mercury	**8.8**	**0.70**	**ug**	**SW846 7470A**	**04/24/06**	**H2HV72AA**
		Dilution Factor: 3.5		Analysis Time..: 14:48	MDL.....: 0.21	

STL Knoxville - ACS

Client Sample ID: G-2959/2960/2964/2965/2970/2971-R1 M29 BLANK FRONT HALF

TOTAL Metals

Lot-Sample #...: H6D030224-006 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095073						
Aluminum	**74.0**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81AA**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 11.0	
Antimony	**2.7 B**	**6.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81AE**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 1.4	
Arsenic	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV81AH
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.35	
Barium	**1.8 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81AL**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.35	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HV81AP
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.18	
Cadmium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HV81AT
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.50	
Chromium	**0.40 B**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81AW**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HV81A1
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.50	
Copper	**1.2 B**	**2.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81A4**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.70	
Lead	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HV81A7
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.37	
Manganese	**0.69 B**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81CA**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.18	
Nickel	**3.7 B**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81CE**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.44	
Selenium	**2.0**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81CH**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-2959/2960/2964/2965/2970/2971-R1 M29 BLANK FRONT HALF

TOTAL Metals

Lot-Sample #...: H6D030224-006 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HV81CL
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.97	
Thallium	**9.1**	**3.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81CP**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 3.5	
Vanadium	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HV81CT
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.50	
Zinc	**4.9**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HV81CW**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.38	
Prep Batch #...: 6097037						
Mercury	ND	0.20	ug	SW846 7470A	04/10/06	H2HV81C1
		Dilution Factor: 1		Analysis Time..: 15:50	MDL.....: 0.060	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-2961/2966/2972-R1 M29 BLANK BACK HALF

TOTAL Metals

Lot-Sample #...: H6D030224-007 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095074						
Aluminum	ND	20.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1AA
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 11.0	
Antimony	ND	6.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1AE
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 1.4	
Arsenic	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1AH
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.33	
Barium	ND	20.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1AL
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.30	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HWF1AP
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.18	
Cadmium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HWF1AT
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.082	
Chromium	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1AW
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1A1
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.50	
Copper	ND	2.5	ug	SW846 6010B	04/05-04/10/06	H2HWF1A4
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.70	
Lead	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1A7
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.37	
Manganese	ND	1.5	ug	SW846 6010B	04/05-04/10/06	H2HWF1CA
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.18	
Nickel	ND	4.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1CE
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.40	
Selenium	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1CH
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-2961/2966/2972-R1 M29 BLANK BACK HALF

TOTAL Metals

Lot-Sample #...: H6D030224-007 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1CL
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.97	
Thallium	ND	3.5	ug	SW846 6010B	04/05-04/10/06	H2HWF1CP
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 1.0	
Vanadium	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1CT
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.50	
Zinc	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HWF1CW
		Dilution Factor: 1		Analysis Time..: 15:48	MDL.....: 0.45	
Prep Batch #...: 6097038						
Mercury	ND	0.40	ug	SW846 7470A	04/10/06	H2HWF1C1
		Dilution Factor: 2		Analysis Time..: 16:57	MDL.....: 0.12	

STL Knoxville - ACS

Client Sample ID: G-3163/2967/2973-R1 M29 BLANK EMPTY IMPINGER

TOTAL Metals

Lot-Sample #...: H6D030224-008 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097038						
Mercury	ND	0.40	ug	SW846 7470A	04/10/06	H2HWL1AA
		Dilution Factor: 2		Analysis Time..: 17:09	MDL.....: 0.12	

STL Knoxville - ACS

Client Sample ID: G-2962/2968/2974-R1 M29 BLANK KMNO4 IMPINGER

TOTAL Metals

Lot-Sample #...: H6D030224-009 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	ND	0.040	ug	SW846 7470A	04/10/06	H2HWN1AA
		Dilution Factor: 0.2		Analysis Time..: 16:23	MDL.....: 0.012	

STL Knoxville - ACS

Client Sample ID: G-2963/2969/2975-R1 M29 BLANK HCL IMPINGER RINSE

TOTAL Metals

Lot-Sample #...: H6D030224-010 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	ND	0.15	ug	SW846 7470A	04/10/06	H2HWP1AA
		Dilution Factor: 0.75		Analysis Time..: 16:29	MDL.....: 0.045	

STL Knoxville - ACS

Client Sample ID: G-3057/3058-R2-METHOD 0060/29 FRONT HALF COMPOSITE

TOTAL Metals

Lot-Sample #...: H6D030224-011 **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095073						
Aluminum	**84.8**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AA**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 11.0	
Antimony	**3.4 B**	**6.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AC**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 1.4	
Arsenic	**2.4**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AD**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.35	
Barium	**5.1 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AE**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.35	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HWQ1AF
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.18	
Cadmium	**5.7**	**0.50**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AG**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.50	
Chromium	**18.0**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AH**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HWQ1AJ
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.50	
Copper	**100**	**2.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AK**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.70	
Lead	**233**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AL**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.37	
Manganese	**37.8**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AM**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.18	
Nickel	**8.4**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AN**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.44	
Selenium	**2.4**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AP**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-3057/3058-R2-METHOD 0060/29 FRONT HALF COMPOSITE

TOTAL Metals

Lot-Sample #...: H6D030224-011 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	**1.2 B**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AQ**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.97	
Thallium	**9.6**	**3.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AR**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 3.5	
Vanadium	**1.1 B**	**5.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AT**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.50	
Zinc	**117**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWQ1AU**
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.38	
Prep Batch #...: 6097037						
Mercury	ND	0.20	ug	SW846 7470A	04/10/06	H2HWQ1AV
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 0.060	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-3059-R2-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-012 **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095074						
Aluminum	**38.4**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AA**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 11.0	
Antimony	ND	6.0	ug	SW846 6010B	04/05-04/10/06	H2HWT1AC
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 1.4	
Arsenic	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HWT1AD
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.33	
Barium	**3.9 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AE**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.30	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HWT1AF
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.18	
Cadmium	**2.2**	**0.50**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AG**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.082	
Chromium	**2.2**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AH**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HWT1AJ
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.50	
Copper	**8.1**	**2.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AK**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.70	
Lead	**17.4**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AL**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.37	
Manganese	**4.2**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AM**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.18	
Nickel	**3.0 B**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AN**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.40	
Selenium	**1.6**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AP**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-3059-R2-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-012 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	**4.5**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AQ**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.97	
Thallium	ND	3.5	ug	SW846 6010B	04/05-04/10/06	H2HWT1AR
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 1.0	
Vanadium	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HWT1AT
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.50	
Zinc	**19.2**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HWT1AU**
		Dilution Factor: 1		Analysis Time..: 16:25	MDL.....: 0.45	
Prep Batch #...: 6097038						
Mercury	**1.7**	**0.40**	**ug**	**SW846 7470A**	**04/10/06**	**H2HWT1AV**
		Dilution Factor: 2		Analysis Time..: 17:15	MDL.....: 0.12	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-3060-R2-METHOD 0060/29 EMPTY IMPINGER #4

TOTAL Metals

Lot-Sample #...: H6D030224-013 **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097038						
Mercury	ND	0.80	ug	SW846 7470A	04/10/06	H2HWV1AA
		Dilution Factor: 4		Analysis Time..: 17:19	MDL.....: 0.24	

STL Knoxville - ACS

Client Sample ID: G-3061-R2-METHOD 0060/29 4% KMNO4/10% H2SO4 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-014 **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	**0.69**	**0.18**	**ug**	**SW846 7470A**	**04/10/06**	**H2HW01AA**
		Dilution Factor: 0.9		Analysis Time..: 16:35	MDL.....: 0.054	

STL Knoxville - ACS

Client Sample ID: G-3062-R2-METHOD 0060/29 8N HCL IMPINGER RINSE

TOTAL Metals

Lot-Sample #...: H6D030224-015 **Matrix.....:** AIR
Date Sampled...: 03/29/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	**8.6**	**0.35**	**ug**	**SW846 7470A**	**04/10/06**	**H2HW21AA**
		Dilution Factor: 1.75		Analysis Time..: 16:37	MDL.....: 0.10	

STL Knoxville - ACS

Client Sample ID: G-3141/3142-R3-METHOD 0060/29 FRONT HALF COMPOSITE

TOTAL Metals

Lot-Sample #...: H6D030224-016 **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095073						
Aluminum	**92.8**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AA**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 11.0	
Antimony	**3.5 B**	**6.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AC**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 1.4	
Arsenic	**3.4**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AD**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.35	
Barium	**5.4 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AE**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.35	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HW41AF
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.18	
Cadmium	**9.0**	**0.50**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AG**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.50	
Chromium	**35.4**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AH**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HW41AJ
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.50	
Copper	**109**	**2.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AK**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.70	
Lead	**690**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AL**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.37	
Manganese	**39.4**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AM**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.18	
Nickel	**8.4**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AN**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.44	
Selenium	**3.1**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AP**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-3141/3142-R3-METHOD 0060/29 FRONT HALF COMPOSITE

TOTAL Metals

Lot-Sample #...: H6D030224-016 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HW41AQ
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.97	
Thallium	**9.7**	**3.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AR**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 3.5	
Vanadium	**1.5 B**	**5.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AT**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.50	
Zinc	**126**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW41AU**
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.38	
Prep Batch #...: 6097037						
Mercury	ND	0.20	ug	SW846 7470A	04/10/06	H2HW41AV
		Dilution Factor: 1		Analysis Time..: 16:04	MDL.....: 0.060	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-3143-R3-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-017 **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095074						
Aluminum	**32.4**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AA**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 11.0	
Antimony	ND	6.0	ug	SW846 6010B	04/05-04/10/06	H2HW51AC
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 1.4	
Arsenic	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HW51AD
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.33	
Barium	**5.4 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AE**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.30	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HW51AF
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.18	
Cadmium	**0.71**	**0.50**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AG**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.082	
Chromium	**1.1**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AH**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HW51AJ
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.50	
Copper	**3.4**	**2.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AK**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.70	
Lead	**4.2**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AL**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.37	
Manganese	**2.0**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AM**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.18	
Nickel	**1.0 B**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AN**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.40	
Selenium	**0.84 B**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AP**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: G-3143-R3-METHOD 0060/29 5% HNO3/10% H2O2 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-017 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HW51AQ
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.97	
Thallium	ND	3.5	ug	SW846 6010B	04/05-04/10/06	H2HW51AR
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 1.0	
Vanadium	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HW51AT
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.50	
Zinc	**7.3**	**2.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HW51AU**
		Dilution Factor: 1		Analysis Time..: 16:38	MDL.....: 0.45	
Prep Batch #...: 6097038						
Mercury	**4.3**	**0.40**	**ug**	**SW846 7470A**	**04/10/06**	**H2HW51AV**
		Dilution Factor: 2		Analysis Time..: 17:21	MDL.....: 0.12	

NOTE(S):

B Estimated result. Result is less than RL.

STL Knoxville - ACS

Client Sample ID: G-3144-R3-METHOD 0060/29 EMPTY IMPINGER #4

TOTAL Metals

Lot-Sample #...: H6D030224-018 **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097038						
Mercury	ND	0.48	ug	SW846 7470A	04/10/06	H2HW61AA
		Dilution Factor: 2.4		Analysis Time..: 17:25	MDL.....: 0.14	

STL Knoxville - ACS

Client Sample ID: G-3145-R3-METHOD 0060/29 4% KMNO4/10% H2SO4 IMPINGERS

TOTAL Metals

Lot-Sample #...: H6D030224-019 **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	**3.3**	**0.19**	**ug**	**SW846 7470A**	**04/10/06**	**H2HW71AA**
		Dilution Factor: 0.97		Analysis Time..: 16:43	MDL.....: 0.058	

STL Knoxville - ACS

Client Sample ID: G-3146-R3-METHOD 0060/29 8N HCL IMPINGER RINSE

TOTAL Metals

Lot-Sample #...: H6D030224-020 **Matrix.....:** AIR
Date Sampled...: 03/30/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6097041						
Mercury	**6.9**	**0.32**	**ug**	**SW846 7470A**	**04/10/06**	**H2HW81AA**
		Dilution Factor: 1.6		Analysis Time..: 16:46	MDL.....: 0.096	

STL Knoxville - ACS

Client Sample ID: A-5383 MEDIA CHECK

TOTAL Metals

Lot-Sample #...: H6D030224-021 **Matrix.....:** AIR
Date Sampled...: 03/28/06 **Date Received..:** 04/02/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6095073						
Aluminum	**71.2**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AA**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 11.0	
Antimony	**3.0 B**	**6.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AC**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 1.4	
Arsenic	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AD
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.35	
Barium	**1.9 B**	**20.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AE**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.35	
Beryllium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HXA1AF
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.18	
Cadmium	ND	0.50	ug	SW846 6010B	04/05-04/10/06	H2HXA1AG
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.50	
Chromium	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AH
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.28	
Cobalt	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AJ
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.50	
Copper	ND	2.5	ug	SW846 6010B	04/05-04/10/06	H2HXA1AK
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.70	
Lead	ND	1.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AL
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.37	
Manganese	**0.37 B**	**1.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AM**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.18	
Nickel	**3.6 B**	**4.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AN**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.44	
Selenium	**1.9**	**1.0**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AP**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.43	

(Continued on next page)

STL Knoxville - ACS

Client Sample ID: A-5383 MEDIA CHECK

TOTAL Metals

Lot-Sample #...: H6D030224-021 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AQ
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.97	
Thallium	**9.8**	**3.5**	**ug**	**SW846 6010B**	**04/05-04/10/06**	**H2HXA1AR**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 3.5	
Vanadium	ND	5.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AT
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.50	
Zinc	ND	2.0	ug	SW846 6010B	04/05-04/10/06	H2HXA1AU
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.38	

NOTE(S):

B Estimated result. Result is less than RL.