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June 8, 2010

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JUN - 8 2010

STATE OF ILLINOIS
Pollution Control Board

VIA HAND DELIVERY

ORIGINAL

Mr. John T. Therriault
Assistant Clerk of the Board
Illinois Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

Re: Westwood Lands' Petition for Adjusted Standard
Pollution Control Board, AS 09-03

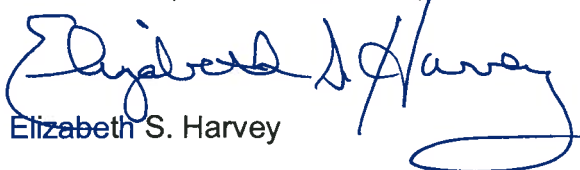
Dear Mr. Therriault:

Pursuant to the hearing officer's order, enclosed please find three copies of the 152-page laboratory report supporting the testing of the slag fines owned by Westwood. Additionally, Westwood hereby submits the 76-page laboratory report supporting the testing of the slag fines owned by U.S. Steel. (As explained in Westwood's motion for reconsideration, Westwood arranged for testing of two sources of slag fines: 1) the slag fines purchased from U.S. Steel's Granite City facility, and thus now owned by Westwood; and 2) slag fines owned by U.S. Steel and located at the Granite City facility. See p. 3 of the motion for reconsideration. Because two separate sources of slag fines were tested, there are two separate laboratory reports.) These two documents are the supporting information for the testing results set forth in Exhibit 1 to the motion for reconsideration. I have marked these two documents as Exhibits 2 and 3, for the Board's ease of reference.

Please let me know if you have any questions, or need additional copies of these exhibits.

Very truly yours,

SWANSON, MARTIN & BELL, LLP


Elizabeth S. Harvey

ESH/jp

Enclosures

cc: Mr. Ingersoll, IEPA (w/ enc., via mail)
Ms. Webb, IPCB hearing officer (w/out enc., via mail)

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STATE OF ILLINOIS
Pollution Control Board

Westwood Lands, Inc. v. Illinois Environmental Protection Agency

AS 09-03

(Adjusted Standard – Land)

Exhibit 2

June 8, 2010

ANALYTICAL REPORT

Job Number: 510-50389-1
Job Description: Westwood Project

For:
Civil & Environmental Consultants Inc
333 Baldwin Rd.
Pittsburgh, PA 15205
Attention: Paul Tomiczek III



Approved for release.
Robin M Kintz
Project Manager I
3/23/2010 4:26 PM

Robin M Kintz
Project Manager I
robinm.kintz@testamericainc.com
03/23/2010

The test results in this report meet all NELAC requirements for parameters which accreditation is required or available. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the Project Manager who signed this test report. Valparaiso IL EPA Accreditation #100432.

Job Narrative
510-50389-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following samples were re-extracted due to low spike recovery in the LCS: (510-50389-1 MS), (510-50389-1 MSD), (LCS 510-60892/2-A), (MB 510-60892/1-A), WL-01 (510-50389-1), WL-06 (510-50389-6), WL-09 (510-50389-9).

Method(s) 8270C: Surrogate recovery for the following samples was outside control limits: (510-50389-1 MS), (510-50389-1 MSD), WL-01 (510-50389-1), WL-06 (510-50389-6), WL-09 (510-50389-9). Evidence of matrix interference is present; the samples were re-extracted and re-analyzed with concurring results. The re-extracted samples are reported.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 500-82116 were outside control limits for delta-BHC, Endosulfan I and Endosulfan II. The associated laboratory control sample (LCS) recovery met acceptance criteria. WL-01 (510-50389-1)

Method(s) 8082: The following samples required multiple sulfuric acid clean-ups to reduce matrix interferences: WL-01 (510-50389-1), WL-06 (510-50389-6), WL-09 (510-50389-9).

Method(s) 8082: The following samples required multiple mercury clean-ups to reduce matrix interferences caused by sulfur: WL-01 (510-50389-1), WL-06 (510-50389-6), WL-09 (510-50389-9).

Method(s) 8082: Surrogate recovery for the following sample was outside control limits: WL-06 (510-50389-6). Evidence of matrix interference is present; therefore, re-extraction and re-analysis was not performed.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The continuing calibration verification (CCV) for arsenic, cadmium, and lead recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. WL-02 (510-50389-2)

Method(s) 6010B: The leachate blank for batch 60947 contained barium at a level which is above the method detection limit but below the hazardous waste limit. The affected samples do not require a redigestion or reanalysis due to the level being below the hazardous waste limit. The data is acceptable. WL-02 (510-50389-2), WL-03 (510-50389-3), WL-04 (510-50389-4), WL-05 (510-50389-5), WL-07 (510-50389-7), WL-08 (510-50389-8)

Method(s) 6010B: The leachate blank (LB) for batch 61069 contained barium at a level which is above the method detection limit but below the reporting limit for this analyte. The sample is being reported to the method detection limit, so this has been noted. The sample does not require re-extraction or reanalysis. The data is being reported. WL-01 (510-50389-1), WL-09 (510-50389-9)

Method(s) 6020: The method blank for batch 60879 contained arsenic, sodium, selenium, and magnesium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. WL-01 (510-50389-1), WL-02 (510-50389-2), WL-03 (510-50389-3), WL-04 (510-50389-4), WL-05 (510-50389-5), WL-06 (510-50389-6), WL-07 (510-50389-7), WL-08 (510-50389-8), WL-09 (510-50389-9)

Method(s) 6020: The method blank for batch 60944 contained potassium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. WL-06 (510-50389-6)

Method(s) 6020: The method blank for batch 60944 contained potassium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. WL-01 (510-50389-1), WL-02 (510-50389-2), WL-03 (510-50389-3), WL-04 (510-50389-4), WL-07 (510-50389-7), WL-08 (510-50389-8), WL-09 (510-50389-9)

Method(s) 6020: The MS/MSD recoveries for batch 60944 were outside control limits for antimony. A post digestion spike was performed and failed control limits confirming matrix interference. The associated laboratory LCS recovery met acceptance criteria. WL-01 (510-50389-1)

Method(s) 6020: The MS/MSD precision for batch 61117 was outside control limits. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria. WL-01 (510-50389-1)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method(s) 3541: 8081 Sample WL-09 (510-50389-9) was diluted prior to the GPC cleanup. The value for the final volume was adjusted to account for the dilution. Reporting limits will be affected accordingly.

No other analytical or quality issues were noted.

Subcontract Work

Method(s) General Sub Contract Method: The sample has been subcontracted to A&L Great Lakes Laboratory. The subcontract certifications are different from those listed on the TestAmerica cover page of this final report. It is included at the end of this report.

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
510-50389-1	WL-01				
Calcium		200000	5700	mg/Kg	6010B
Aluminum		19000	170	mg/Kg	6020
Antimony		0.59 J	0.85	mg/Kg	6020
Arsenic		13 B	0.57	mg/Kg	6020
Barium		65	0.14	mg/Kg	6020
Beryllium		0.31	0.14	mg/Kg	6020
Cadmium		0.40	0.28	mg/Kg	6020
Chromium		1500	0.42	mg/Kg	6020
Cobalt		2.3	0.85	mg/Kg	6020
Copper		24	0.57	mg/Kg	6020
Iron		260000	170	mg/Kg	6020
Lead		2.3	0.14	mg/Kg	6020
Magnesium		58000 B	85	mg/Kg	6020
Manganese		18000	0.71	mg/Kg	6020
Nickel		10	0.28	mg/Kg	6020
Potassium		70 J B	85	mg/Kg	6020
Selenium		1.3 B	0.28	mg/Kg	6020
Silver		0.087 J	0.57	mg/Kg	6020
Sodium		150 B	85	mg/Kg	6020
Thallium		0.27 J	0.28	mg/Kg	6020
Vanadium		520	2.7	mg/Kg	6020
Zinc		32	2.3	mg/Kg	6020
Cyanide, Total		0.097 J	0.14	mg/Kg	9012A
Percent Moisture		13	0.10	%	Moisture
Percent Solids		87	0.10	%	Moisture
TCLP					
Barium		0.14 B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Analyte						
510-50389-2	WL-02					
Calcium		220000		5600	mg/Kg	6010B
Aluminum		12000		170	mg/Kg	6020
Antimony		0.35	J	0.84	mg/Kg	6020
Arsenic		6.5	B	0.56	mg/Kg	6020
Barium		78		0.14	mg/Kg	6020
Beryllium		0.53		0.14	mg/Kg	6020
Cadmium		0.37		0.28	mg/Kg	6020
Chromium		1900		0.42	mg/Kg	6020
Cobalt		2.9		0.84	mg/Kg	6020
Copper		32		0.56	mg/Kg	6020
Iron		220000		170	mg/Kg	6020
Lead		5.9		0.14	mg/Kg	6020
Magnesium		61000	B	84	mg/Kg	6020
Manganese		21000		0.70	mg/Kg	6020
Nickel		13		0.28	mg/Kg	6020
Potassium		160	B	84	mg/Kg	6020
Selenium		0.60	B	0.28	mg/Kg	6020
Silver		0.083	J	0.56	mg/Kg	6020
Sodium		190	B	84	mg/Kg	6020
Vanadium		730		2.7	mg/Kg	6020
Zinc		69		2.3	mg/Kg	6020
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
TCLP						
Barium		0.21	B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Analyte						
510-50389-3	WL-03					
Calcium		220000		5400	mg/Kg	6010B
Aluminum		18000		160	mg/Kg	6020
Antimony		0.68	J	0.82	mg/Kg	6020
Arsenic		6.2	B	0.54	mg/Kg	6020
Barium		84		0.14	mg/Kg	6020
Beryllium		0.45		0.14	mg/Kg	6020
Cadmium		0.42		0.27	mg/Kg	6020
Chromium		1900		0.41	mg/Kg	6020
Cobalt		2.5		0.82	mg/Kg	6020
Copper		44		0.54	mg/Kg	6020
Iron		270000		160	mg/Kg	6020
Lead		3.2		0.14	mg/Kg	6020
Magnesium		55000	B	82	mg/Kg	6020
Manganese		25000		0.68	mg/Kg	6020
Nickel		18		0.27	mg/Kg	6020
Potassium		82	B	82	mg/Kg	6020
Selenium		1.5	B	0.27	mg/Kg	6020
Silver		0.094	J	0.54	mg/Kg	6020
Sodium		180	B	82	mg/Kg	6020
Vanadium		770		2.6	mg/Kg	6020
Zinc		54		2.2	mg/Kg	6020
Percent Moisture		8.8		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
TCLP						
Barium		0.31	B	0.10	mg/L	6010B
Chromium		0.011	J	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
510-50389-4	WL-04					
Calcium		200000		5500	mg/Kg	6010B
Aluminum		16000		170	mg/Kg	6020
Arsenic		5.1	B	0.55	mg/Kg	6020
Barium		32		0.14	mg/Kg	6020
Beryllium		0.30		0.14	mg/Kg	6020
Cadmium		0.42		0.28	mg/Kg	6020
Chromium		1200		0.42	mg/Kg	6020
Cobalt		3.0		0.83	mg/Kg	6020
Copper		20		0.55	mg/Kg	6020
Iron		280000		170	mg/Kg	6020
Lead		4.5		0.14	mg/Kg	6020
Magnesium		60000	B	83	mg/Kg	6020
Manganese		18000		0.69	mg/Kg	6020
Nickel		14		0.28	mg/Kg	6020
Potassium		38	J B	83	mg/Kg	6020
Silver		0.051	J	0.55	mg/Kg	6020
Sodium		150	B	83	mg/Kg	6020
Vanadium		770		2.6	mg/Kg	6020
Zinc		90		2.2	mg/Kg	6020
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
TCLP						
Barium		0.17	B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Analyte						
510-50389-5	WL-05					
Calcium		230000		5600	mg/Kg	6010B
Aluminum		14000		170	mg/Kg	6020
Arsenic		5.2	B	0.56	mg/Kg	6020
Barium		29		0.14	mg/Kg	6020
Beryllium		0.27		0.14	mg/Kg	6020
Cadmium		0.36		0.28	mg/Kg	6020
Chromium		1200		0.42	mg/Kg	6020
Cobalt		3.9		0.84	mg/Kg	6020
Copper		26		0.56	mg/Kg	6020
Iron		210000		170	mg/Kg	6020
Lead		4.8		0.14	mg/Kg	6020
Magnesium		65000	B	84	mg/Kg	6020
Manganese		20000		0.70	mg/Kg	6020
Nickel		16		0.28	mg/Kg	6020
Potassium		38	J B	84	mg/Kg	6020
Selenium		0.12	J B	0.28	mg/Kg	6020
Silver		0.056	J	0.56	mg/Kg	6020
Sodium		140	B	84	mg/Kg	6020
Vanadium		870		2.7	mg/Kg	6020
Zinc		84		2.3	mg/Kg	6020
Mercury		0.010	J	0.023	mg/Kg	7471A
Percent Moisture		12		0.10	%	Moisture
Percent Solids		88		0.10	%	Moisture
TCLP						
Barium		0.21	B	0.10	mg/L	6010B
Chromium		0.022	J	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
510-50389-6	WL-06				
Calcium		230000	5500	mg/Kg	6010B
Aluminum		17000	170	mg/Kg	6020
Arsenic		4.3 B	0.55	mg/Kg	6020
Barium		34	0.14	mg/Kg	6020
Beryllium		0.22	0.14	mg/Kg	6020
Cadmium		0.31	0.28	mg/Kg	6020
Chromium		1200	0.42	mg/Kg	6020
Cobalt		2.5	0.83	mg/Kg	6020
Copper		19	0.55	mg/Kg	6020
Iron		220000	170	mg/Kg	6020
Lead		4.0	0.14	mg/Kg	6020
Magnesium		56000 B	83	mg/Kg	6020
Manganese		20000	0.69	mg/Kg	6020
Nickel		12	0.28	mg/Kg	6020
Potassium		350 B	83	mg/Kg	6020
Selenium		0.19 J B	0.28	mg/Kg	6020
Sodium		210 B	83	mg/Kg	6020
Vanadium		860	2.6	mg/Kg	6020
Zinc		73	2.2	mg/Kg	6020
Cyanide, Total		0.34	0.14	mg/Kg	9012A
Percent Moisture		12	0.10	%	Moisture
Percent Solids		88	0.10	%	Moisture
TCLP					
Barium		0.16 B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
510-50389-7	WL-07				
Calcium		230000	5500	mg/Kg	6010B
Aluminum		17000	160	mg/Kg	6020
Arsenic		5.4 B	0.55	mg/Kg	6020
Barium		55	0.14	mg/Kg	6020
Beryllium		0.48	0.14	mg/Kg	6020
Cadmium		0.52	0.27	mg/Kg	6020
Chromium		1500	0.41	mg/Kg	6020
Cobalt		2.7	0.82	mg/Kg	6020
Copper		33	0.55	mg/Kg	6020
Iron		180000	160	mg/Kg	6020
Lead		8.4	0.14	mg/Kg	6020
Magnesium		69000 B	82	mg/Kg	6020
Manganese		20000	0.68	mg/Kg	6020
Nickel		16	0.27	mg/Kg	6020
Potassium		130 B	82	mg/Kg	6020
Selenium		0.59 B	0.27	mg/Kg	6020
Silver		0.073 J	0.55	mg/Kg	6020
Sodium		160 B	82	mg/Kg	6020
Vanadium		780	2.6	mg/Kg	6020
Zinc		92	2.2	mg/Kg	6020
Percent Moisture		10	0.10	%	Moisture
Percent Solids		90	0.10	%	Moisture
TCLP					
Barium		0.23 B	0.10	mg/L	6010B
Chromium		0.010 J	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
510-50389-8	WL-08				
Calcium		200000	5600	mg/Kg	6010B
Aluminum		11000	170	mg/Kg	6020
Arsenic		5.5 B	0.56	mg/Kg	6020
Barium		38	0.14	mg/Kg	6020
Beryllium		0.25	0.14	mg/Kg	6020
Cadmium		0.38	0.28	mg/Kg	6020
Chromium		1300	0.42	mg/Kg	6020
Cobalt		2.5	0.84	mg/Kg	6020
Copper		27	0.56	mg/Kg	6020
Iron		260000	170	mg/Kg	6020
Lead		6.0	0.14	mg/Kg	6020
Magnesium		56000 B	84	mg/Kg	6020
Manganese		18000	0.70	mg/Kg	6020
Nickel		12	0.28	mg/Kg	6020
Potassium		96 B	84	mg/Kg	6020
Selenium		0.11 J B	0.28	mg/Kg	6020
Silver		0.058 J	0.56	mg/Kg	6020
Sodium		130 B	84	mg/Kg	6020
Vanadium		840	2.7	mg/Kg	6020
Zinc		88	2.3	mg/Kg	6020
Percent Moisture		11	0.10	%	Moisture
Percent Solids		89	0.10	%	Moisture
TCLP					
Barium		0.14 B	0.10	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
510-50389-9	WL-09					
Calcium		220000		5600	mg/Kg	6010B
Aluminum		16000		170	mg/Kg	6020
Arsenic		6.5	B	0.56	mg/Kg	6020
Barium		72		0.14	mg/Kg	6020
Beryllium		0.34		0.14	mg/Kg	6020
Cadmium		0.38		0.28	mg/Kg	6020
Chromium		1700		0.42	mg/Kg	6020
Cobalt		2.5		0.83	mg/Kg	6020
Copper		36		0.56	mg/Kg	6020
Iron		270000		170	mg/Kg	6020
Lead		4.1		0.14	mg/Kg	6020
Magnesium		61000	B	83	mg/Kg	6020
Manganese		23000		0.70	mg/Kg	6020
Nickel		14		0.28	mg/Kg	6020
Potassium		64	J B	83	mg/Kg	6020
Selenium		1.8	B	0.28	mg/Kg	6020
Silver		0.062	J	0.56	mg/Kg	6020
Sodium		92	B	83	mg/Kg	6020
Vanadium		810		2.6	mg/Kg	6020
Zinc		66		2.3	mg/Kg	6020
Mercury		0.014	J	0.022	mg/Kg	7471A
Cyanide, Total		0.20		0.13	mg/Kg	9012A
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
TCLP						
Barium		0.23	B	0.10	mg/L	6010B

METHOD SUMMARY

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL VAL	SW846 8260B	
TCLP Extraction	TAL VAL		SW846 1311
Purge and Trap	TAL VAL		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL VAL	SW846 8270C	
TCLP Extraction	TAL VAL		SW846 1311
Automated Soxhlet Extraction	TAL VAL		SW846 3541
Liquid-Liquid Extraction (Separatory Funnel)	TAL VAL		SW846 3510C
Organochlorine Pesticides (GC)	TAL CHI	SW846 8081A	
TCLP Extraction	TAL CHI		SW846 1311
Automated Soxhlet Extraction	TAL CHI		SW846 3541
Liquid-Liquid Extraction (Separatory Funnel)	TAL CHI		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL VAL	SW846 8082	
Automated Soxhlet Extraction	TAL VAL		SW846 3541
Herbicides (GC)	TAL CHI	SW846 8151A	
TCLP Extraction	TAL CHI		SW846 1311
Extraction (Herbicides)	TAL CHI		SW846 8151A
Metals (ICP)	TAL VAL	SW846 6010B	
TCLP Extraction	TAL VAL		SW846 1311
Preparation, Total Metals	TAL VAL		SW846 3010A
Preparation, Metals	TAL VAL		SW846 3050B
Metals (ICP/MS)	TAL VAL	SW846 6020	
Preparation, Metals	TAL VAL		SW846 3050B
Mercury (CVAA)	TAL VAL	SW846 7470A	
TCLP Extraction	TAL VAL		SW846 1311
Preparation, Mercury	TAL VAL		SW846 7470A
Mercury (CVAA)	TAL VAL	SW846 7471A	
Preparation, Mercury	TAL VAL		SW846 7471A
Cyanide, Total and/or Amenable	TAL VAL	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL VAL		SW846 9012A
Percent Moisture	TAL VAL	EPA Moisture	
General Sub Contract Method	A&L Analyt	Subcontract	

Lab References:

A&L Analyt = A&L Analytical Laboratories-Memphis, TN

TAL CHI = TestAmerica Chicago

TAL VAL = TestAmerica Valparaiso

METHOD SUMMARY

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Description	Lab Location	Method	Preparation Method
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Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method	Analyst	Analyst ID
SW846 8260B	Hall, Jennifer L	JLH
SW846 8260B	Hobart, Wes E	WEH
SW846 8270C	Squires, William D	WDS
SW846 8081A	Mroz, Krzysztof A	KAM
SW846 8082	Seifert, Brandon R	BRS
SW846 8151A	Mroz, Krzysztof A	KAM
SW846 6010B	Tharpe, Matt	MT
SW846 6010B	Thomas, Deidra	DT
SW846 6020	Tharpe, Matt	MT
SW846 6020	Thomas, Deidra	DT
SW846 7470A	Thomas, Deidra	DT
SW846 7471A	Thomas, Deidra	DT
SW846 9012A	Church, Jason B	JBC
EPA Moisture	Hall, Jennifer L	JLH

SAMPLE SUMMARY

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-50389-1	WL-01	Solid	03/12/2010 1040	03/13/2010 1055
510-50389-2	WL-02	Solid	03/12/2010 1055	03/13/2010 1055
510-50389-3	WL-03	Solid	03/12/2010 1105	03/13/2010 1055
510-50389-4	WL-04	Solid	03/12/2010 1115	03/13/2010 1055
510-50389-5	WL-05	Solid	03/12/2010 1125	03/13/2010 1055
510-50389-6	WL-06	Solid	03/12/2010 1135	03/13/2010 1055
510-50389-7	WL-07	Solid	03/12/2010 1200	03/13/2010 1055
510-50389-8	WL-08	Solid	03/12/2010 1210	03/13/2010 1055
510-50389-9	WL-09	Solid	03/12/2010 1220	03/13/2010 1055

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 510-60825	Instrument ID: VMSB
Preparation:	5030B		Lab File ID: A6849.D
Dilution:	10	Leachate Batch: 510-60831	Initial Weight/Volume: 5 mL
Date Analyzed:	03/16/2010 1713	Run Type: DL	Final Weight/Volume: 5 mL
Date Prepared:	03/16/2010 1713		
Date Leached:	03/15/2010 1640		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Benzene		<0.0023		0.0023	0.050
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		81 - 126
Toluene-d8 (Surr)	99		89 - 108
4-Bromofluorobenzene (Surr)	115		77 - 132

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-60998	Instrument ID:	VMSA
Preparation:	5030B		Lab File ID:	E8780.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	03/19/2010 1705		Final Weight/Volume:	5 g
Date Prepared:	03/19/2010 1705			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Acetone		<0.0016		0.0016	0.011
Benzene		<0.0013		0.0013	0.0057
Dichlorobromomethane		<0.00063		0.00063	0.0057
Bromoform		<0.0014		0.0014	0.0057
Bromomethane		<0.0020		0.0020	0.0057
2-Butanone (MEK)		<0.0033		0.0033	0.011
Carbon disulfide		<0.0012		0.0012	0.0057
Carbon tetrachloride		<0.00052		0.00052	0.0057
Chlorodibromomethane		<0.00097		0.00097	0.0057
Chlorobenzene		<0.00078		0.00078	0.0057
Chloroethane		<0.0012		0.0012	0.0057
Chloroform		<0.00085		0.00085	0.0057
Chloromethane		<0.0011		0.0011	0.0057
Cyclohexane		<0.00054		0.00054	0.0057
1,1-Dichloroethane		<0.00072		0.00072	0.0057
1,2-Dichloroethane		<0.00058		0.00058	0.0057
1,1-Dichloroethene		<0.00063		0.00063	0.0057
cis-1,2-Dichloroethene		<0.00083		0.00083	0.0057
trans-1,2-Dichloroethene		<0.00063		0.00063	0.0057
trans-1,3-Dichloropropene		<0.00069		0.00069	0.0057
cis-1,3-Dichloropropene		<0.00086		0.00086	0.0057
1,2-Dichloropropane		<0.00049		0.00049	0.0057
Ethylbenzene		<0.00073		0.00073	0.0057
2-Hexanone		<0.0016		0.0016	0.011
Methyl acetate		<0.00098		0.00098	0.0057
Methylene Chloride		<0.00044		0.00044	0.0057
Methylcyclohexane		<0.0012		0.0012	0.0057
Methyl tert-butyl ether		<0.0019		0.0019	0.0057
Styrene		<0.00039		0.00039	0.0057
1,1,1-Trichloroethane		<0.00079		0.00079	0.0057
1,1,2-Trichloroethane		<0.0018		0.0018	0.0057
Trichloroethene		<0.00092		0.00092	0.0057
Trichlorofluoromethane		<0.0012		0.0012	0.0057
Vinyl acetate		<0.00053		0.00053	0.0057
Vinyl chloride		<0.0016		0.0016	0.0057
Xylenes, Total		<0.0020		0.0020	0.011
Toluene		<0.00089		0.00089	0.0057
Tetrachloroethene		<0.0015		0.0015	0.0057
Isopropylbenzene		<0.00053		0.00053	0.0057
methyl isobutyl ketone		<0.0015		0.0015	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		76 - 137
4-Bromofluorobenzene (Surr)	95		50 - 150
Toluene-d8 (Surr)	97		70 - 130

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 510-60825	Instrument ID: VMSB
Preparation:	5030B		Lab File ID: A6850.D
Dilution:	10	Leachate Batch: 510-60831	Initial Weight/Volume: 5 mL
Date Analyzed:	03/16/2010 1747	Run Type: DL	Final Weight/Volume: 5 mL
Date Prepared:	03/16/2010 1747		
Date Leached:	03/15/2010 1640		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Benzene		<0.0023		0.0023	0.050
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		81 - 126
Toluene-d8 (Surr)	101		89 - 108
4-Bromofluorobenzene (Surr)	126		77 - 132

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-60998	Instrument ID: VMSA
Preparation:	5030B		Lab File ID: E8781.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/19/2010 1739		Final Weight/Volume: 5 g
Date Prepared:	03/19/2010 1739		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Acetone		<0.0015		0.0015	0.011
Benzene		<0.0013		0.0013	0.0057
Dichlorobromomethane		<0.00063		0.00063	0.0057
Bromoform		<0.0013		0.0013	0.0057
Bromomethane		<0.0020		0.0020	0.0057
2-Butanone (MEK)		<0.0032		0.0032	0.011
Carbon disulfide		<0.0012		0.0012	0.0057
Carbon tetrachloride		<0.00051		0.00051	0.0057
Chlorodibromomethane		<0.00096		0.00096	0.0057
Chlorobenzene		<0.00077		0.00077	0.0057
Chloroethane		<0.0012		0.0012	0.0057
Chloroform		<0.00084		0.00084	0.0057
Chloromethane		<0.0011		0.0011	0.0057
Cyclohexane		<0.00053		0.00053	0.0057
1,1-Dichloroethane		<0.00071		0.00071	0.0057
1,2-Dichloroethane		<0.00058		0.00058	0.0057
1,1-Dichloroethene		<0.00062		0.00062	0.0057
cis-1,2-Dichloroethene		<0.00082		0.00082	0.0057
trans-1,2-Dichloroethene		<0.00062		0.00062	0.0057
trans-1,3-Dichloropropene		<0.00068		0.00068	0.0057
cis-1,3-Dichloropropene		<0.00085		0.00085	0.0057
1,2-Dichloropropane		<0.00049		0.00049	0.0057
Ethylbenzene		<0.00072		0.00072	0.0057
2-Hexanone		<0.0015		0.0015	0.011
Methyl acetate		<0.00097		0.00097	0.0057
Methylene Chloride		<0.00044		0.00044	0.0057
Methylcyclohexane		<0.0012		0.0012	0.0057
Methyl tert-butyl ether		<0.0018		0.0018	0.0057
Styrene		<0.00039		0.00039	0.0057
1,1,1-Trichloroethane		<0.00078		0.00078	0.0057
1,1,2-Trichloroethane		<0.0018		0.0018	0.0057
Trichloroethene		<0.00091		0.00091	0.0057
Trichlorofluoromethane		<0.0012		0.0012	0.0057
Vinyl acetate		<0.00052		0.00052	0.0057
Vinyl chloride		<0.0016		0.0016	0.0057
Xylenes, Total		<0.0020		0.0020	0.011
Toluene		<0.00087		0.00087	0.0057
Tetrachloroethene		<0.0015		0.0015	0.0057
Isopropylbenzene		<0.00052		0.00052	0.0057
methyl isobutyl ketone		<0.0014		0.0014	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		76 - 137
4-Bromofluorobenzene (Surr)	101		50 - 150
Toluene-d8 (Surr)	97		70 - 130

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 510-60825	Instrument ID:	VMSB
Preparation:	5030B		Lab File ID:	A6851.D
Dilution:	10	Leachate Batch: 510-60831	Initial Weight/Volume:	5 mL
Date Analyzed:	03/16/2010 1820	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:	03/16/2010 1820			
Date Leached:	03/15/2010 1640			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Benzene		<0.0023		0.0023	0.050
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		81 - 126
Toluene-d8 (Surr)	99		89 - 108
4-Bromofluorobenzene (Surr)	116		77 - 132

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-60998	Instrument ID: VMSA
Preparation:	5030B		Lab File ID: E8782.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	03/19/2010 1813		Final Weight/Volume: 5 g
Date Prepared:	03/19/2010 1813		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Acetone		<0.0015		0.0015	0.011
Benzene		<0.0013		0.0013	0.0056
Dichlorobromomethane		<0.00062		0.00062	0.0056
Bromoform		<0.0013		0.0013	0.0056
Bromomethane		<0.0020		0.0020	0.0056
2-Butanone (MEK)		<0.0032		0.0032	0.011
Carbon disulfide		<0.0012		0.0012	0.0056
Carbon tetrachloride		<0.00051		0.00051	0.0056
Chlorodibromomethane		<0.00095		0.00095	0.0056
Chlorobenzene		<0.00076		0.00076	0.0056
Chloroethane		<0.0012		0.0012	0.0056
Chloroform		<0.00084		0.00084	0.0056
Chloromethane		<0.0011		0.0011	0.0056
Cyclohexane		<0.00053		0.00053	0.0056
1,1-Dichloroethane		<0.00070		0.00070	0.0056
1,2-Dichloroethane		<0.00057		0.00057	0.0056
1,1-Dichloroethene		<0.00062		0.00062	0.0056
cis-1,2-Dichloroethene		<0.00081		0.00081	0.0056
trans-1,2-Dichloroethene		<0.00062		0.00062	0.0056
trans-1,3-Dichloropropene		<0.00067		0.00067	0.0056
cis-1,3-Dichloropropene		<0.00085		0.00085	0.0056
1,2-Dichloropropane		<0.00048		0.00048	0.0056
Ethylbenzene		<0.00072		0.00072	0.0056
2-Hexanone		<0.0015		0.0015	0.011
Methyl acetate		<0.00096		0.00096	0.0056
Methylene Chloride		<0.00043		0.00043	0.0056
Methylcyclohexane		<0.0011		0.0011	0.0056
Methyl tert-butyl ether		<0.0018		0.0018	0.0056
Styrene		<0.00038		0.00038	0.0056
1,1,1-Trichloroethane		<0.00078		0.00078	0.0056
1,1,2-Trichloroethane		<0.0017		0.0017	0.0056
Trichloroethene		<0.00090		0.00090	0.0056
Trichlorofluoromethane		<0.0012		0.0012	0.0056
Vinyl acetate		<0.00051		0.00051	0.0056
Vinyl chloride		<0.0016		0.0016	0.0056
Xylenes, Total		<0.0019		0.0019	0.011
Toluene		<0.00087		0.00087	0.0056
Tetrachloroethene		<0.0015		0.0015	0.0056
Isopropylbenzene		<0.00052		0.00052	0.0056
methyl isobutyl ketone		<0.0014		0.0014	0.011

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		76 - 137
4-Bromofluorobenzene (Surr)	100		50 - 150
Toluene-d8 (Surr)	98		70 - 130

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID:	SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID:	D2646.D
Dilution:	1.0	Leachate Batch: 510-60833	Initial Weight/Volume:	100 mL
Date Analyzed:	03/17/2010 1729		Final Weight/Volume:	1 mL
Date Prepared:	03/16/2010 1153		Injection Volume:	1 uL
Date Leached:	03/15/2010 1650			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		10 - 129
2-Fluorophenol	36		10 - 87
Nitrobenzene-d5	55		10 - 135
Phenol-d5	27		10 - 69
2,4,6-Tribromophenol	46		10 - 168

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 510-61081	Instrument ID: SMSA
Preparation:	3541	Prep Batch: 510-61009	Lab File ID: D2753.D
Dilution:	1.0		Initial Weight/Volume: 30.28 g
Date Analyzed:	03/22/2010 1210		Final Weight/Volume: 1 mL
Date Prepared:	03/19/2010 1130		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Acenaphthylene		<0.017		0.017	0.37
Anthracene		<0.016		0.016	0.37
Benzo[a]anthracene		<0.0067		0.0067	0.37
Benzo[a]pyrene		<0.032		0.032	0.37
Benzo[b]fluoranthene		<0.014		0.014	0.37
Benzo[g,h,i]perylene		<0.016		0.016	0.37
Benzo[k]fluoranthene		<0.016		0.016	0.37
Benzyl alcohol		<0.11		0.11	0.37
Bis(2-chloroethoxy)methane		<0.027		0.027	0.37
Bis(2-chloroethyl)ether		<0.022		0.022	0.37
Bis(2-ethylhexyl) phthalate		<0.027		0.027	0.75
4-Bromophenyl phenyl ether		<0.015		0.015	0.37
Butyl benzyl phthalate		<0.016		0.016	0.37
Carbazole		<0.019		0.019	0.37
4-Chloroaniline		<0.026		0.026	0.37
4-Chloro-3-methylphenol		<0.017		0.017	0.37
2-Chloronaphthalene		<0.018		0.018	0.37
2-Chlorophenol		<0.026		0.026	0.37
4-Chlorophenyl phenyl ether		<0.021		0.021	0.37
Chrysene		<0.010		0.010	0.37
Dibenz(a,h)anthracene		<0.022		0.022	0.37
Dibenzofuran		<0.011		0.011	0.37
1,2-Dichlorobenzene		<0.032		0.032	0.37
1,3-Dichlorobenzene		<0.026		0.026	0.37
1,4-Dichlorobenzene		<0.028		0.028	0.37
3,3'-Dichlorobenzidine		<0.057		0.057	0.75
2,4-Dichlorophenol		<0.019		0.019	0.37
Diethyl phthalate		<0.022		0.022	0.37
2,4-Dimethylphenol		<0.021		0.021	0.37
Dimethyl phthalate		<0.013		0.013	0.37
Di-n-butyl phthalate		<0.030		0.030	0.37
4,6-Dinitro-2-methylphenol		<0.11		0.11	0.75
2,4-Dinitrophenol		<0.019		0.019	1.9
2,4-Dinitrotoluene		<0.025		0.025	0.37
2,6-Dinitrotoluene		<0.019		0.019	0.37
Di-n-octyl phthalate		<0.027		0.027	0.37
Fluoranthene		<0.024		0.024	0.37
Fluorene		<0.014		0.014	0.37
Hexachlorobenzene		<0.020		0.020	0.37
Hexachlorobutadiene		<0.022		0.022	0.37
Hexachlorocyclopentadiene		<0.036		0.036	0.37
Hexachloroethane		<0.031		0.031	0.37
Indeno[1,2,3-cd]pyrene		<0.025		0.025	0.37
Isophorone		<0.020		0.020	0.37
2-Methylphenol		<0.027		0.027	0.37
3 & 4 Methylphenol		<0.054		0.054	0.37

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 510-61081	Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-61009	Lab File ID:	D2753.D
Dilution:	1.0		Initial Weight/Volume:	30.28 g
Date Analyzed:	03/22/2010 1210		Final Weight/Volume:	1 mL
Date Prepared:	03/19/2010 1130		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		<0.026		0.026	0.37
2-Nitroaniline		<0.020		0.020	0.75
3-Nitroaniline		<0.021		0.021	0.75
4-Nitroaniline		<0.035		0.035	0.75
Nitrobenzene		<0.027		0.027	0.37
2-Nitrophenol		<0.029		0.029	0.37
4-Nitrophenol		<0.034		0.034	1.9
N-Nitrosodimethylamine		<0.031		0.031	0.37
N-Nitrosodi-n-propylamine		<0.023		0.023	0.37
N-Nitrosodiphenylamine		<0.012		0.012	0.37
2,2'-oxybis(2-chloropropane)		<0.049		0.049	0.37
Pentachlorophenol		<0.40		0.40	0.75
Phenanthrene		<0.011		0.011	0.37
Phenol		<0.017		0.017	0.37
Pyrene		<0.014		0.014	0.37
1,2,4-Trichlorobenzene		<0.023		0.023	0.37
2,4,5-Trichlorophenol		<0.013		0.013	0.37
2,4,6-Trichlorophenol		<0.014		0.014	0.37
Acenaphthene		<0.014		0.014	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	67		14 - 104
2-Fluorophenol	2	X	10 - 102
Nitrobenzene-d5	66		10 - 105
Phenol-d5	12		10 - 94
Terphenyl-d14	66		31 - 119
2,4,6-Tribromophenol	0	X	10 - 128

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2647.D
Dilution:	1.0	Leachate Batch: 510-60833	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 1750		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/15/2010 1650		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	62		10 - 129
2-Fluorophenol	37		10 - 87
Nitrobenzene-d5	58		10 - 135
Phenol-d5	27		10 - 69
2,4,6-Tribromophenol	54		10 - 168

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 510-61081	Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-61009	Lab File ID:	D2756.D
Dilution:	1.0		Initial Weight/Volume:	30.18 g
Date Analyzed:	03/22/2010 1312		Final Weight/Volume:	1 mL
Date Prepared:	03/19/2010 1130		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Acenaphthylene		<0.016		0.016	0.37
Anthracene		<0.016		0.016	0.37
Benzo[a]anthracene		<0.0066		0.0066	0.37
Benzo[a]pyrene		<0.032		0.032	0.37
Benzo[b]fluoranthene		<0.014		0.014	0.37
Benzo[g,h,i]perylene		<0.016		0.016	0.37
Benzo[k]fluoranthene		<0.015		0.015	0.37
Benzyl alcohol		<0.11		0.11	0.37
Bis(2-chloroethoxy)methane		<0.026		0.026	0.37
Bis(2-chloroethyl)ether		<0.021		0.021	0.37
Bis(2-ethylhexyl) phthalate		<0.027		0.027	0.74
4-Bromophenyl phenyl ether		<0.015		0.015	0.37
Butyl benzyl phthalate		<0.016		0.016	0.37
Carbazole		<0.019		0.019	0.37
4-Chloroaniline		<0.026		0.026	0.37
4-Chloro-3-methylphenol		<0.016		0.016	0.37
2-Chloronaphthalene		<0.018		0.018	0.37
2-Chlorophenol		<0.026		0.026	0.37
4-Chlorophenyl phenyl ether		<0.021		0.021	0.37
Chrysene		<0.010		0.010	0.37
Dibenz(a,h)anthracene		<0.022		0.022	0.37
Dibenzofuran		<0.011		0.011	0.37
1,2-Dichlorobenzene		<0.031		0.031	0.37
1,3-Dichlorobenzene		<0.026		0.026	0.37
1,4-Dichlorobenzene		<0.028		0.028	0.37
3,3'-Dichlorobenzidine		<0.056		0.056	0.74
2,4-Dichlorophenol		<0.019		0.019	0.37
Diethyl phthalate		<0.022		0.022	0.37
2,4-Dimethylphenol		<0.021		0.021	0.37
Dimethyl phthalate		<0.013		0.013	0.37
Di-n-butyl phthalate		<0.030		0.030	0.37
4,6-Dinitro-2-methylphenol		<0.11		0.11	0.74
2,4-Dinitrophenol		<0.019		0.019	1.9
2,4-Dinitrotoluene		<0.025		0.025	0.37
2,6-Dinitrotoluene		<0.019		0.019	0.37
Di-n-octyl phthalate		<0.027		0.027	0.37
Fluoranthene		<0.023		0.023	0.37
Fluorene		<0.013		0.013	0.37
Hexachlorobenzene		<0.020		0.020	0.37
Hexachlorobutadiene		<0.022		0.022	0.37
Hexachlorocyclopentadiene		<0.035		0.035	0.37
Hexachloroethane		<0.031		0.031	0.37
Indeno[1,2,3-cd]pyrene		<0.025		0.025	0.37
Isophorone		<0.019		0.019	0.37
2-Methylphenol		<0.027		0.027	0.37
3 & 4 Methylphenol		<0.054		0.054	0.37

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 510-61081	Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-61009	Lab File ID:	D2756.D
Dilution:	1.0		Initial Weight/Volume:	30.18 g
Date Analyzed:	03/22/2010 1312		Final Weight/Volume:	1 mL
Date Prepared:	03/19/2010 1130		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		<0.026		0.026	0.37
2-Nitroaniline		<0.020		0.020	0.74
3-Nitroaniline		<0.021		0.021	0.74
4-Nitroaniline		<0.035		0.035	0.74
Nitrobenzene		<0.027		0.027	0.37
2-Nitrophenol		<0.029		0.029	0.37
4-Nitrophenol		<0.034		0.034	1.9
N-Nitrosodimethylamine		<0.030		0.030	0.37
N-Nitrosodi-n-propylamine		<0.023		0.023	0.37
N-Nitrosodiphenylamine		<0.012		0.012	0.37
2,2'-oxybis(2-chloropropane)		<0.049		0.049	0.37
Pentachlorophenol		<0.39		0.39	0.74
Phenanthrene		<0.011		0.011	0.37
Phenol		<0.017		0.017	0.37
Pyrene		<0.014		0.014	0.37
1,2,4-Trichlorobenzene		<0.023		0.023	0.37
2,4,5-Trichlorophenol		<0.012		0.012	0.37
2,4,6-Trichlorophenol		<0.014		0.014	0.37
Acenaphthene		<0.014		0.014	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		14 - 104
2-Fluorophenol	0	X	10 - 102
Nitrobenzene-d5	65		10 - 105
Phenol-d5	14		10 - 94
Terphenyl-d14	68		31 - 119
2,4,6-Tribromophenol	0	X	10 - 128

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: **WL-09**

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2648.D
Dilution:	1.0	Leachate Batch: 510-60833	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 1811		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/15/2010 1650		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	57		10 - 129
2-Fluorophenol	34		10 - 87
Nitrobenzene-d5	54		10 - 135
Phenol-d5	24		10 - 69
2,4,6-Tribromophenol	48		10 - 168

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 510-61081	Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-61009	Lab File ID:	D2757.D
Dilution:	1.0		Initial Weight/Volume:	30 g
Date Analyzed:	03/22/2010 1333		Final Weight/Volume:	1 mL
Date Prepared:	03/19/2010 1130		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Acenaphthylene		<0.016		0.016	0.37
Anthracene		<0.016		0.016	0.37
Benzo[a]anthracene		<0.0066		0.0066	0.37
Benzo[a]pyrene		<0.032		0.032	0.37
Benzo[b]fluoranthene		<0.014		0.014	0.37
Benzo[g,h,i]perylene		<0.016		0.016	0.37
Benzo[k]fluoranthene		<0.015		0.015	0.37
Benzyl alcohol		<0.11		0.11	0.37
Bis(2-chloroethoxy)methane		<0.026		0.026	0.37
Bis(2-chloroethyl)ether		<0.021		0.021	0.37
Bis(2-ethylhexyl) phthalate		<0.027		0.027	0.74
4-Bromophenyl phenyl ether		<0.015		0.015	0.37
Butyl benzyl phthalate		<0.016		0.016	0.37
Carbazole		<0.019		0.019	0.37
4-Chloroaniline		<0.026		0.026	0.37
4-Chloro-3-methylphenol		<0.016		0.016	0.37
2-Chloronaphthalene		<0.018		0.018	0.37
2-Chlorophenol		<0.026		0.026	0.37
4-Chlorophenyl phenyl ether		<0.021		0.021	0.37
Chrysene		<0.010		0.010	0.37
Dibenz(a,h)anthracene		<0.022		0.022	0.37
Dibenzofuran		<0.011		0.011	0.37
1,2-Dichlorobenzene		<0.031		0.031	0.37
1,3-Dichlorobenzene		<0.026		0.026	0.37
1,4-Dichlorobenzene		<0.028		0.028	0.37
3,3'-Dichlorobenzidine		<0.056		0.056	0.74
2,4-Dichlorophenol		<0.019		0.019	0.37
Diethyl phthalate		<0.021		0.021	0.37
2,4-Dimethylphenol		<0.021		0.021	0.37
Dimethyl phthalate		<0.013		0.013	0.37
Di-n-butyl phthalate		<0.030		0.030	0.37
4,6-Dinitro-2-methylphenol		<0.11		0.11	0.74
2,4-Dinitrophenol		<0.019		0.019	1.8
2,4-Dinitrotoluene		<0.025		0.025	0.37
2,6-Dinitrotoluene		<0.019		0.019	0.37
Di-n-octyl phthalate		<0.027		0.027	0.37
Fluoranthene		<0.023		0.023	0.37
Fluorene		<0.013		0.013	0.37
Hexachlorobenzene		<0.020		0.020	0.37
Hexachlorobutadiene		<0.022		0.022	0.37
Hexachlorocyclopentadiene		<0.035		0.035	0.37
Hexachloroethane		<0.031		0.031	0.37
Indeno[1,2,3-cd]pyrene		<0.025		0.025	0.37
Isophorone		<0.019		0.019	0.37
2-Methylphenol		<0.026		0.026	0.37
3 & 4 Methylphenol		<0.054		0.054	0.37

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 510-61081	Instrument ID: SMSA
Preparation:	3541	Prep Batch: 510-61009	Lab File ID: D2757.D
Dilution:	1.0		Initial Weight/Volume: 30 g
Date Analyzed:	03/22/2010 1333		Final Weight/Volume: 1 mL
Date Prepared:	03/19/2010 1130		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		<0.025		0.025	0.37
2-Nitroaniline		<0.020		0.020	0.74
3-Nitroaniline		<0.021		0.021	0.74
4-Nitroaniline		<0.035		0.035	0.74
Nitrobenzene		<0.026		0.026	0.37
2-Nitrophenol		<0.029		0.029	0.37
4-Nitrophenol		<0.034		0.034	1.8
N-Nitrosodimethylamine		<0.030		0.030	0.37
N-Nitrosodi-n-propylamine		<0.023		0.023	0.37
N-Nitrosodiphenylamine		<0.012		0.012	0.37
2,2'-oxybis(2-chloropropane)		<0.049		0.049	0.37
Pentachlorophenol		<0.39		0.39	0.74
Phenanthrene		<0.011		0.011	0.37
Phenol		<0.016		0.016	0.37
Pyrene		<0.014		0.014	0.37
1,2,4-Trichlorobenzene		<0.023		0.023	0.37
2,4,5-Trichlorophenol		<0.012		0.012	0.37
2,4,6-Trichlorophenol		<0.014		0.014	0.37
Acenaphthene		<0.014		0.014	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		14 - 104
2-Fluorophenol	2	X	10 - 102
Nitrobenzene-d5	57		10 - 105
Phenol-d5	24		10 - 94
Terphenyl-d14	62		31 - 119
2,4,6-Tribromophenol	0	X	10 - 128

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID: INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume: 10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume: 10 mL
Date Analyzed:	03/22/2010 1809		Injection Volume: 1 uL
Date Prepared:	03/18/2010 0830		Result Type: PRIMARY
Date Leached:	03/16/2010 1430		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		20 - 120
Tetrachloro-m-xylene	83		31 - 121

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch:	500-82510	Instrument ID:	INST15-16
Preparation:	3541	Prep Batch:	500-82116	Initial Weight/Volume:	15.5931 g
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	03/19/2010 1249			Injection Volume:	1 µL
Date Prepared:	03/17/2010 0705			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
alpha-BHC		<0.00063		0.00063	0.0019
beta-BHC		<0.0010		0.0010	0.0019
delta-BHC		<0.00081		0.00081	0.0019
gamma-BHC (Lindane)		<0.00033		0.00033	0.0019
Heptachlor		<0.00025		0.00025	0.0019
Aldrin		<0.00063		0.00063	0.0019
Heptachlor epoxide		<0.00040		0.00040	0.0019
Endosulfan I		<0.00078		0.00078	0.0019
Dieldrin		<0.00036		0.00036	0.0019
4,4'-DDE		<0.00036		0.00036	0.0019
Endrin		<0.00068		0.00068	0.0019
Endosulfan II		<0.00039		0.00039	0.0019
4,4'-DDD		<0.00058		0.00058	0.0019
Endosulfan sulfate		<0.00018		0.00018	0.0019
4,4'-DDT		<0.00033		0.00033	0.0019
Methoxychlor		<0.00054		0.00054	0.0091
Endrin ketone		<0.00033		0.00033	0.0019
Endrin aldehyde		<0.00069		0.00069	0.0019
alpha-Chlordane		<0.00051		0.00051	0.0019
gamma-Chlordane		<0.00059		0.00059	0.0019
Toxaphene		<0.0033		0.0033	0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		40 - 124
Tetrachloro-m-xylene	100		28 - 120

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 1829		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		20 - 120
Tetrachloro-m-xylene	86		31 - 121

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 500-82510	Instrument ID: INST15-16
Preparation:	3541	Prep Batch: 500-82116	Initial Weight/Volume: 15.0897 g
Dilution:	1.0		Final Weight/Volume: 5.0 mL
Date Analyzed:	03/19/2010 1348		Injection Volume: 1 uL
Date Prepared:	03/17/2010 0705		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
alpha-BHC		<0.00064		0.00064	0.0019
beta-BHC		<0.0010		0.0010	0.0019
delta-BHC		<0.00083		0.00083	0.0019
gamma-BHC (Lindane)		<0.00034		0.00034	0.0019
Heptachlor		<0.00026		0.00026	0.0019
Aldrin		<0.00064		0.00064	0.0019
Heptachlor epoxide		<0.00040		0.00040	0.0019
Endosulfan I		<0.00080		0.00080	0.0019
Dieldrin		<0.00037		0.00037	0.0019
4,4'-DDE		<0.00037		0.00037	0.0019
Endrin		<0.00070		0.00070	0.0019
Endosulfan II		<0.00039		0.00039	0.0019
4,4'-DDD		<0.00060		0.00060	0.0019
Endosulfan sulfate		<0.00018		0.00018	0.0019
4,4'-DDT		<0.00034		0.00034	0.0019
Methoxychlor		<0.00055		0.00055	0.0093
Endrin ketone		<0.00034		0.00034	0.0019
Endrin aldehyde		<0.00071		0.00071	0.0019
alpha-Chlordane		<0.00052		0.00052	0.0019
gamma-Chlordane		<0.00061		0.00061	0.0019
Toxaphene		<0.0034		0.0034	0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		40 - 124
Tetrachloro-m-xylene	90		28 - 120

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 1849		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		20 - 120
Tetrachloro-m-xylene	82		31 - 121

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 500-82510	Instrument ID: INST15-16
Preparation:	3541	Prep Batch: 500-82116	Initial Weight/Volume: 15.8645 g
Dilution:	1.0		Final Weight/Volume: 10.0 mL
Date Analyzed:	03/19/2010 1606		Injection Volume: 1 uL
Date Prepared:	03/17/2010 0705		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
alpha-BHC		<0.0012		0.0012	0.0036
beta-BHC		<0.0019		0.0019	0.0036
delta-BHC		<0.0016		0.0016	0.0036
gamma-BHC (Lindane)		<0.00064		0.00064	0.0036
Heptachlor		<0.00049		0.00049	0.0036
Aldrin		<0.0012		0.0012	0.0036
Heptachlor epoxide		<0.00076		0.00076	0.0036
Endosulfan I		<0.0015		0.0015	0.0036
Dieldrin		<0.00070		0.00070	0.0036
4,4'-DDE		<0.00070		0.00070	0.0036
Endrin		<0.0013		0.0013	0.0036
Endosulfan II		<0.00074		0.00074	0.0036
4,4'-DDD		<0.0011		0.0011	0.0036
Endosulfan sulfate		<0.00034		0.00034	0.0036
4,4'-DDT		<0.00064		0.00064	0.0036
Methoxychlor		<0.0010		0.0010	0.018
Endrin ketone		<0.00064		0.00064	0.0036
Endrin aldehyde		<0.0013		0.0013	0.0036
alpha-Chlordane		<0.00097		0.00097	0.0036
gamma-Chlordane		<0.0011		0.0011	0.0036
Toxaphene		<0.0064		0.0064	0.035

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		40 - 124
Tetrachloro-m-xylene	54		28 - 120

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 510-60950	Instrument ID:	SGCA
Preparation:	3541	Prep Batch: 510-60823	Initial Weight/Volume:	15.09 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	03/18/2010 0959		Injection Volume:	1 uL
Date Prepared:	03/16/2010 0842		Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		<0.0026		0.0026	0.023
PCB-1221		<0.0038		0.0038	0.023
PCB-1232		<0.0096		0.0096	0.023
PCB-1242		<0.0057		0.0057	0.023
PCB-1248		<0.0011		0.0011	0.023
PCB-1254		<0.0020		0.0020	0.023
PCB-1260		<0.0019		0.0019	0.023

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		14 - 147
Dibutylchloroendate	29		10 - 132

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch:	510-60950	Instrument ID:	SGCA
Preparation:	3541	Prep Batch:	510-60823	Initial Weight/Volume:	15.35 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	03/18/2010 1044			Injection Volume:	1 uL
Date Prepared:	03/16/2010 0842			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		<0.0025		0.0025	0.022
PCB-1221		<0.0036		0.0036	0.022
PCB-1232		<0.0093		0.0093	0.022
PCB-1242		<0.0055		0.0055	0.022
PCB-1248		<0.0011		0.0011	0.022
PCB-1254		<0.0020		0.0020	0.022
PCB-1260		<0.0018		0.0018	0.022

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		14 - 147
Dibutylchloroendate	2	X	10 - 132

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 510-60950	Instrument ID:	SGCA
Preparation:	3541	Prep Batch: 510-60823	Initial Weight/Volume:	15.30 g
Dilution:	1.0		Final Weight/Volume:	5 mL
Date Analyzed:	03/18/2010 1059		Injection Volume:	1 uL
Date Prepared:	03/16/2010 0842		Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
PCB-1016		<0.0025		0.0025	0.022
PCB-1221		<0.0036		0.0036	0.022
PCB-1232		<0.0092		0.0092	0.022
PCB-1242		<0.0055		0.0055	0.022
PCB-1248		<0.0011		0.0011	0.022
PCB-1254		<0.0020		0.0020	0.022
PCB-1260		<0.0018		0.0018	0.022
Surrogate		%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl		98		14 - 147	
Dibutylchloroendate		24		10 - 132	

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch:	500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch:	500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch:	500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 0724			Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446			Result Type:	PRIMARY
Date Leached:	03/16/2010 1430				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	60		42 - 120

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 0745		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	61		42 - 120

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 0806		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	66		42 - 120

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID: MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID: 31761C
Dilution:	100		Initial Weight/Volume: 1.0124 g
Date Analyzed:	03/19/2010 1134		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0854		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		200000		1500	5700

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-61069	Instrument ID: MICPC
Preparation:	3010A	Prep Batch: 510-60845	Lab File ID: 31761C
Dilution:	10	Leachate Batch: 510-60832	Initial Weight/Volume: 50 mL
Date Analyzed:	03/19/2010 1906		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 1130		
Date Leached:	03/15/2010 1650		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.14	B	0.014	0.10
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

Method:	6010B	Analysis Batch: 510-61095	Instrument ID: MICPC
Preparation:	3010A	Prep Batch: 510-60845	Lab File ID: 31761C
Dilution:	10	Leachate Batch: 510-60832	Initial Weight/Volume: 50 mL
Date Analyzed:	03/22/2010 1044		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 1130		
Date Leached:	03/15/2010 1650		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID: MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 1.0124 g
Date Analyzed:	03/16/2010 1642		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0854		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		13	B	0.12	0.57
Barium		65		0.068	0.14
Beryllium		0.31		0.024	0.14
Cadmium		0.40		0.046	0.28
Cobalt		2.3		0.14	0.85

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Copper		24		0.14	0.57
Lead		2.3		0.070	0.14
Magnesium		58000	B	9.3	85
Manganese		18000		0.11	0.71
Nickel		10		0.11	0.28
Selenium		1.3	B	0.10	0.28
Sodium		150	B	12	85
Thallium		0.27	J	0.077	0.28
Vanadium		520		0.52	2.7

Method: 6020 Analysis Batch: 510-60944 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 5.0 Initial Weight/Volume: 1.0124 g
 Date Analyzed: 03/17/2010 2016 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.59	J	0.35	0.85
Chromium		1500		0.21	0.42
Potassium		70	J B	24	85
Silver		0.087	J	0.048	0.57
Zinc		32		0.86	2.3

Method: 6020 Analysis Batch: 510-61117 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 100 Initial Weight/Volume: 1.0124 g
 Date Analyzed: 03/22/2010 1814 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19000		44	170
Iron		260000		29	170

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
 Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
 Dilution: 1.0 Leachate Batch: 510-60832 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1606 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 1117
 Date Leached: 03/15/2010 1650

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.00057		0.00057	0.0010

7471A Mercury (CVAA)

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

7471A Mercury (CVAA)

Method: 7471A

Analysis Batch: 510-60929

Instrument ID: MHGC

Preparation: 7471A

Prep Batch: 510-60864

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 0.5067 g

Date Analyzed: 03/17/2010 1321

Final Weight/Volume: 50 mL

Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0064		0.0064	0.023

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-02

Lab Sample ID: 510-50389-2

Date Sampled: 03/12/2010 1055

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0057 g
Date Analyzed:	03/19/2010 1202		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		220000		1500	5600

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-60947	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60808	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/17/2010 1304		Final Weight/Volume:	50 mL
Date Prepared:	03/15/2010 1420			
Date Leached:	03/14/2010 1645			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.21	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0057 g
Date Analyzed:	03/16/2010 1706		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.5	B	0.12	0.56
Barium		78		0.067	0.14
Beryllium		0.53		0.024	0.14
Cadmium		0.37		0.045	0.28
Cobalt		2.9		0.14	0.84
Copper		32		0.14	0.56
Lead		5.9		0.069	0.14
Magnesium		61000	B	9.2	84
Manganese		21000		0.11	0.70
Nickel		13		0.11	0.28
Selenium		0.60	B	0.10	0.28
Sodium		190	B	12	84
Thallium		<0.076		0.076	0.28
Vanadium		730		0.51	2.7

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-02

Lab Sample ID: 510-50389-2

Date Sampled: 03/12/2010 1055

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60944	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0057 g
Date Analyzed:	03/17/2010 2036		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.35	J	0.35	0.84
Chromium		1900		0.21	0.42
Potassium		160	B	24	84
Silver		0.083	J	0.048	0.56
Zinc		69		0.86	2.3

Method:	6020	Analysis Batch: 510-61117	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	100		Initial Weight/Volume:	1.0057 g
Date Analyzed:	03/22/2010 1833		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12000		44	170
Iron		220000		29	170

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 510-60868	Instrument ID:	MHGC
Preparation:	7470A	Prep Batch: 510-60842	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/16/2010 1509		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0945			
Date Leached:	03/14/2010 1645			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-60929	Instrument ID:	MHGC
Preparation:	7471A	Prep Batch: 510-60864	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.5051 g
Date Analyzed:	03/17/2010 1330		Final Weight/Volume:	50 mL
Date Prepared:	03/17/2010 0925			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0064		0.0064	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-03

Lab Sample ID: 510-50389-3

Date Sampled: 03/12/2010 1105

Client Matrix: Solid

% Moisture: 8.8

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0077 g
Date Analyzed:	03/19/2010 1207		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		220000		1400	5400

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-60947	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60808	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/17/2010 1330		Final Weight/Volume:	50 mL
Date Prepared:	03/15/2010 1420			
Date Leached:	03/14/2010 1645			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.31	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		0.011	J	0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0077 g
Date Analyzed:	03/16/2010 1710		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.2	B	0.12	0.54
Barium		84		0.065	0.14
Beryllium		0.45		0.023	0.14
Cadmium		0.42		0.044	0.27
Cobalt		2.5		0.14	0.82
Copper		44		0.13	0.54
Lead		3.2		0.067	0.14
Magnesium		55000	B	8.9	82
Manganese		25000		0.11	0.68
Nickel		18		0.10	0.27
Selenium		1.5	B	0.099	0.27
Sodium		180	B	12	82
Thallium		<0.074		0.074	0.27
Vanadium		770		0.50	2.6

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-03

Lab Sample ID: 510-50389-3

Date Sampled: 03/12/2010 1105

Client Matrix: Solid

% Moisture: 8.8

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Method: 6020 Analysis Batch: 510-60944 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 5.0 Initial Weight/Volume: 1.0077 g
 Date Analyzed: 03/17/2010 2041 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.68	J	0.34	0.82
Chromium		1900		0.20	0.41
Potassium		82	B	23	82
Silver		0.094	J	0.047	0.54
Zinc		54		0.83	2.2

Method: 6020 Analysis Batch: 510-61117 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 100 Initial Weight/Volume: 1.0077 g
 Date Analyzed: 03/22/2010 1837 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		18000		42	160
Iron		270000		28	160

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
 Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
 Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1519 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0945
 Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 510-60929 Instrument ID: MHGC
 Preparation: 7471A Prep Batch: 510-60864 Lab File ID: N/A
 Dilution: 1.0 Initial Weight/Volume: 0.5013 g
 Date Analyzed: 03/17/2010 1332 Final Weight/Volume: 50 mL
 Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0062		0.0062	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-04

Lab Sample ID: 510-50389-4

Date Sampled: 03/12/2010 1115

Client Matrix: Solid

% Moisture: 11.4

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID: MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID: 31761C
Dilution:	100		Initial Weight/Volume: 1.0198 g
Date Analyzed:	03/19/2010 1213		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0854		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		200000		1500	5500

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-60947	Instrument ID: MICPC
Preparation:	3010A	Prep Batch: 510-60808	Lab File ID: 31761C
Dilution:	10	Leachate Batch: 510-60785	Initial Weight/Volume: 50 mL
Date Analyzed:	03/17/2010 1341		Final Weight/Volume: 50 mL
Date Prepared:	03/15/2010 1420		
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.17	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID: MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 1.0198 g
Date Analyzed:	03/16/2010 1715		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0854		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.1	B	0.12	0.55
Barium		32		0.066	0.14
Beryllium		0.30		0.023	0.14
Cadmium		0.42		0.045	0.28
Cobalt		3.0		0.14	0.83
Copper		20		0.14	0.55
Lead		4.5		0.068	0.14
Magnesium		60000	B	9.1	83
Manganese		18000		0.11	0.69
Nickel		14		0.11	0.28
Selenium		<0.10		0.10	0.28
Sodium		150	B	12	83
Thallium		<0.075		0.075	0.28
Vanadium		770		0.51	2.6

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-04

Lab Sample ID: 510-50389-4

Date Sampled: 03/12/2010 1115

Client Matrix: Solid

% Moisture: 11.4

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Method: 6020 Analysis Batch: 510-60944 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 5.0 Initial Weight/Volume: 1.0198 g
 Date Analyzed: 03/17/2010 2045 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		<0.34		0.34	0.83
Chromium		1200		0.21	0.42
Potassium		38	J B	24	83
Silver		0.051	J	0.047	0.55
Zinc		90		0.85	2.2

Method: 6020 Analysis Batch: 510-61117 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 100 Initial Weight/Volume: 1.0198 g
 Date Analyzed: 03/22/2010 1840 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		16000		43	170
Iron		280000		28	170

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
 Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
 Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1523 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0945
 Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 510-60929 Instrument ID: MHGC
 Preparation: 7471A Prep Batch: 510-60864 Lab File ID: N/A
 Dilution: 1.0 Initial Weight/Volume: 0.5058 g
 Date Analyzed: 03/17/2010 1334 Final Weight/Volume: 50 mL
 Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0064		0.0064	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-05

Lab Sample ID: 510-50389-5

Date Sampled: 03/12/2010 1125

Client Matrix: Solid

% Moisture: 11.8

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0098 g
Date Analyzed:	03/19/2010 1229		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		230000		1500	5600

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-60947	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60808	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/17/2010 1351		Final Weight/Volume:	50 mL
Date Prepared:	03/15/2010 1420			
Date Leached:	03/14/2010 1645			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.21	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		0.022	J	0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0098 g
Date Analyzed:	03/16/2010 1729		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.2	B	0.12	0.56
Barium		29		0.067	0.14
Beryllium		0.27		0.024	0.14
Cadmium		0.36		0.045	0.28
Cobalt		3.9		0.14	0.84
Copper		26		0.14	0.56
Lead		4.8		0.069	0.14
Magnesium		65000	B	9.2	84
Manganese		20000		0.11	0.70
Nickel		16		0.11	0.28
Selenium		0.12	J B	0.10	0.28
Sodium		140	B	12	84
Thallium		<0.076		0.076	0.28
Vanadium		870		0.51	2.7

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-05

Lab Sample ID: 510-50389-5

Date Sampled: 03/12/2010 1125

Client Matrix: Solid

% Moisture: 11.8

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Method: 6020 Analysis Batch: 510-60944 Instrument ID: MICPMSA
Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
Dilution: 5.0 Initial Weight/Volume: 1.0098 g
Date Analyzed: 03/17/2010 2105 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		<0.35		0.35	0.84
Chromium		1200		0.21	0.42
Potassium		38	J B	24	84
Silver		0.056	J	0.048	0.56
Zinc		84		0.86	2.3

Method: 6020 Analysis Batch: 510-61117 Instrument ID: MICPMSA
Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
Dilution: 100 Initial Weight/Volume: 1.0098 g
Date Analyzed: 03/22/2010 1852 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		14000		44	170
Iron		210000		29	170

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/16/2010 1528 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 510-60929 Instrument ID: MHGC
Preparation: 7471A Prep Batch: 510-60864 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.5029 g
Date Analyzed: 03/17/2010 1337 Final Weight/Volume: 50 mL
Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.010	J	0.0064	0.023

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0200 g
Date Analyzed:	03/19/2010 1235		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		230000		1500	5500

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-61069	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60845	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60832	Initial Weight/Volume:	50 mL
Date Analyzed:	03/19/2010 1922		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 1130			
Date Leached:	03/15/2010 1650			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.16	B	0.014	0.10
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

Method:	6010B	Analysis Batch: 510-61095	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60845	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60832	Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2010 1100		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 1130			
Date Leached:	03/15/2010 1650			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0200 g
Date Analyzed:	03/16/2010 1734		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.3	B	0.12	0.55
Barium		34		0.066	0.14
Beryllium		0.22		0.023	0.14
Cadmium		0.31		0.045	0.28
Cobalt		2.5		0.14	0.83

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Copper		19		0.14	0.55
Lead		4.0		0.068	0.14
Magnesium		56000	B	9.1	83
Manganese		20000		0.11	0.69
Nickel		12		0.11	0.28
Selenium		0.19	J B	0.10	0.28
Sodium		210	B	12	83
Thallium		<0.075		0.075	0.28
Vanadium		860		0.51	2.6

Method:	6020	Analysis Batch: 510-60944	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0200 g
Date Analyzed:	03/17/2010 2109		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		<0.34		0.34	0.83
Chromium		1200		0.21	0.42
Potassium		350	B	24	83
Silver		<0.047		0.047	0.55
Zinc		73		0.85	2.2

Method:	6020	Analysis Batch: 510-61117	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	100		Initial Weight/Volume:	1.0200 g
Date Analyzed:	03/22/2010 1856		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		17000		43	170
Iron		220000		28	170

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 510-60868	Instrument ID:	MHGC
Preparation:	7470A	Prep Batch: 510-60842	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 510-60832	Initial Weight/Volume:	50 mL
Date Analyzed:	03/16/2010 1615		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 1117			
Date Leached:	03/15/2010 1650			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

7471A Mercury (CVAA)

Method: 7471A

Analysis Batch: 510-60929

Instrument ID:

MHGC

Preparation: 7471A

Prep Batch: 510-60864

Lab File ID:

N/A

Dilution: 1.0

Initial Weight/Volume:

0.5067 g

Date Analyzed: 03/17/2010 1339

Final Weight/Volume:

50 mL

Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0064		0.0064	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-07

Lab Sample ID: 510-50389-7

Date Sampled: 03/12/2010 1200

Client Matrix: Solid

% Moisture: 10.3

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0203 g
Date Analyzed:	03/19/2010 1240		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		230000		1500	5500

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-60947	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60808	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/17/2010 1401		Final Weight/Volume:	50 mL
Date Prepared:	03/15/2010 1420			
Date Leached:	03/14/2010 1645			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.23	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		0.010	J	0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0203 g
Date Analyzed:	03/16/2010 1738		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.4	B	0.12	0.55
Barium		55		0.066	0.14
Beryllium		0.48		0.023	0.14
Cadmium		0.52		0.044	0.27
Cobalt		2.7		0.14	0.82
Copper		33		0.13	0.55
Lead		8.4		0.067	0.14
Magnesium		69000	B	9.0	82
Manganese		20000		0.11	0.68
Nickel		16		0.10	0.27
Selenium		0.59	B	0.099	0.27
Sodium		160	B	12	82
Thallium		<0.074		0.074	0.27
Vanadium		780		0.50	2.6

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-07

Lab Sample ID: 510-50389-7

Date Sampled: 03/12/2010 1200

Client Matrix: Solid

% Moisture: 10.3

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Method: 6020 Analysis Batch: 510-60944 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 5.0 Initial Weight/Volume: 1.0203 g
 Date Analyzed: 03/17/2010 2114 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		<0.34		0.34	0.82
Chromium		1500		0.20	0.41
Potassium		130	B	24	82
Silver		0.073	J	0.047	0.55
Zinc		92		0.84	2.2

Method: 6020 Analysis Batch: 510-61117 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 100 Initial Weight/Volume: 1.0203 g
 Date Analyzed: 03/22/2010 1900 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		17000		42	160
Iron		180000		28	160

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
 Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
 Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1533 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0945
 Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Method: 7471A Analysis Batch: 510-60929 Instrument ID: MHGC
 Preparation: 7471A Prep Batch: 510-60864 Lab File ID: N/A
 Dilution: 1.0 Initial Weight/Volume: 0.5076 g
 Date Analyzed: 03/17/2010 1345 Final Weight/Volume: 50 mL
 Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0063		0.0063	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-08

Lab Sample ID: 510-50389-8

Date Sampled: 03/12/2010 1210

Client Matrix: Solid

% Moisture: 11.3

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0021 g
Date Analyzed:	03/19/2010 1246		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		200000		1500	5600

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-60947	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60808	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/17/2010 1411		Final Weight/Volume:	50 mL
Date Prepared:	03/15/2010 1420			
Date Leached:	03/14/2010 1645			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.14	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0021 g
Date Analyzed:	03/16/2010 1743		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.5	B	0.12	0.56
Barium		38		0.068	0.14
Beryllium		0.25		0.024	0.14
Cadmium		0.38		0.046	0.28
Cobalt		2.5		0.14	0.84
Copper		27		0.14	0.56
Lead		6.0		0.069	0.14
Magnesium		56000	B	9.2	84
Manganese		18000		0.11	0.70
Nickel		12		0.11	0.28
Selenium		0.11	J B	0.10	0.28
Sodium		130	B	12	84
Thallium		<0.077		0.077	0.28
Vanadium		840		0.51	2.7

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-08

Lab Sample ID: 510-50389-8

Date Sampled: 03/12/2010 1210

Client Matrix: Solid

% Moisture: 11.3

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60944	Instrument ID: MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 1.0021 g
Date Analyzed:	03/17/2010 2118		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0854		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		<0.35		0.35	0.84
Chromium		1300		0.21	0.42
Potassium		96	B	24	84
Silver		0.058	J	0.048	0.56
Zinc		88		0.86	2.3

Method:	6020	Analysis Batch: 510-61117	Instrument ID: MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID: N/A
Dilution:	100		Initial Weight/Volume: 1.0021 g
Date Analyzed:	03/22/2010 1903		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0854		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11000		44	170
Iron		260000		29	170

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 510-60868	Instrument ID: MHGC
Preparation:	7470A	Prep Batch: 510-60842	Lab File ID: N/A
Dilution:	1.0	Leachate Batch: 510-60785	Initial Weight/Volume: 50 mL
Date Analyzed:	03/16/2010 1537		Final Weight/Volume: 50 mL
Date Prepared:	03/16/2010 0945		
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-60929	Instrument ID: MHGC
Preparation:	7471A	Prep Batch: 510-60864	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.5071 g
Date Analyzed:	03/17/2010 1349		Final Weight/Volume: 50 mL
Date Prepared:	03/17/2010 0925		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.0063		0.0063	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 510-61022	Instrument ID:	MICPC
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	31761C
Dilution:	100		Initial Weight/Volume:	1.0065 g
Date Analyzed:	03/19/2010 1251		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		220000		1500	5600

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 510-61069	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60845	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60832	Initial Weight/Volume:	50 mL
Date Analyzed:	03/19/2010 1933		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 1130			
Date Leached:	03/15/2010 1650			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		<0.061		0.061	0.30
Barium		0.23	B	0.014	0.10
Selenium		<0.072		0.072	0.20
Silver		<0.038		0.038	0.40

Method:	6010B	Analysis Batch: 510-61095	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch: 510-60845	Lab File ID:	31761C
Dilution:	10	Leachate Batch: 510-60832	Initial Weight/Volume:	50 mL
Date Analyzed:	03/22/2010 1111		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 1130			
Date Leached:	03/15/2010 1650			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-60879	Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-60826	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.0065 g
Date Analyzed:	03/16/2010 1748		Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0854			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.5	B	0.12	0.56
Barium		72		0.067	0.14
Beryllium		0.34		0.023	0.14
Cadmium		0.38		0.045	0.28
Cobalt		2.5		0.14	0.83

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

6020 Metals (ICP/MS)

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Copper		36		0.14	0.56
Lead		4.1		0.068	0.14
Magnesium		61000	B	9.1	83
Manganese		23000		0.11	0.70
Nickel		14		0.11	0.28
Selenium		1.8	B	0.10	0.28
Sodium		92	B	12	83
Thallium		<0.076		0.076	0.28
Vanadium		810		0.51	2.6

Method: 6020 Analysis Batch: 510-60944 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 5.0 Initial Weight/Volume: 1.0065 g
 Date Analyzed: 03/17/2010 2122 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		<0.34		0.34	0.83
Chromium		1700		0.21	0.42
Potassium		64	J B	24	83
Silver		0.062	J	0.048	0.56
Zinc		66		0.85	2.3

Method: 6020 Analysis Batch: 510-61117 Instrument ID: MICPMSA
 Preparation: 3050B Prep Batch: 510-60826 Lab File ID: N/A
 Dilution: 100 Initial Weight/Volume: 1.0065 g
 Date Analyzed: 03/22/2010 1907 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0854

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		16000		43	170
Iron		270000		28	170

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
 Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
 Dilution: 1.0 Leachate Batch: 510-60832 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1619 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 1117
 Date Leached: 03/15/2010 1650

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

7471A Mercury (CVAA)

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

7471A Mercury (CVAA)

Method: 7471A

Analysis Batch: 510-60929

Instrument ID: MHGC

Preparation: 7471A

Prep Batch: 510-60864

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 0.5068 g

Date Analyzed: 03/17/2010 1351

Final Weight/Volume: 50 mL

Date Prepared: 03/17/2010 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	J	0.0063	0.022

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-01

Lab Sample ID: 510-50389-1

Date Sampled: 03/12/2010 1040

Client Matrix: Solid

% Moisture: 12.6

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.097	J	mg/Kg	0.014	0.14	1.0	9012A
	Analysis Batch: 510-60957	Date Analyzed: 03/18/2010 1041				DryWt Corrected: Y	
	Prep Batch: 510-60910	Date Prepared: 03/17/2010 1126					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049				DryWt Corrected: N	
Percent Solids	87		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049				DryWt Corrected: N	

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-02

Lab Sample ID: 510-50389-2

Date Sampled: 03/12/2010 1055

Client Matrix: Solid

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-03

Lab Sample ID: 510-50389-3

Date Sampled: 03/12/2010 1105

Client Matrix: Solid

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-04

Lab Sample ID: 510-50389-4

Client Matrix: Solid

Date Sampled: 03/12/2010 1115

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767		Date Analyzed: 03/14/2010 1049				DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767		Date Analyzed: 03/14/2010 1049				DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-05

Lab Sample ID: 510-50389-5

Date Sampled: 03/12/2010 1125

Client Matrix: Solid

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-06

Lab Sample ID: 510-50389-6

Date Sampled: 03/12/2010 1135

Client Matrix: Solid

% Moisture: 11.5

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.34		mg/Kg	0.014	0.14	1.0	9012A
	Analysis Batch: 510-60957	Date Analyzed: 03/18/2010 1046					DryWt Corrected: Y
	Prep Batch: 510-60910	Date Prepared: 03/17/2010 1126					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-07

Lab Sample ID: 510-50389-7

Date Sampled: 03/12/2010 1200

Client Matrix: Solid

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-08

Lab Sample ID: 510-50389-8

Date Sampled: 03/12/2010 1210

Client Matrix: Solid

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767		Date Analyzed: 03/14/2010 1049				DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767		Date Analyzed: 03/14/2010 1049				DryWt Corrected: N

Analytical Data

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

General Chemistry

Client Sample ID: WL-09

Lab Sample ID: 510-50389-9

Date Sampled: 03/12/2010 1220

Client Matrix: Solid

% Moisture: 10.7

Date Received: 03/13/2010 1055

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.20		mg/Kg	0.013	0.13	1.0	9012A
	Analysis Batch: 510-60957	Date Analyzed: 03/18/2010 1048					DryWt Corrected: Y
	Prep Batch: 510-60910	Date Prepared: 03/17/2010 1126					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 510-60767	Date Analyzed: 03/14/2010 1049					DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate is outside control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
General Chemistry		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:510-60825					
LCS 510-60825/3	Lab Control Sample	T	Water	8260B	
LCSD 510-60825/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 510-60825/6	Method Blank	T	Water	8260B	
510-50389-1DL	WL-01	P	Solid	8260B	
510-50389-6DL	WL-06	P	Solid	8260B	
510-50389-9DL	WL-09	P	Solid	8260B	
Prep Batch: 510-60831					
510-50389-1DL	WL-01	P	Solid	1311	
510-50389-6DL	WL-06	P	Solid	1311	
510-50389-9DL	WL-09	P	Solid	1311	
Analysis Batch:510-60998					
LCS 510-60998/3	Lab Control Sample	T	Solid	8260B	
LCSD 510-60998/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 510-60998/6	Method Blank	T	Solid	8260B	
510-50389-1	WL-01	T	Solid	8260B	
510-50389-6	WL-06	T	Solid	8260B	
510-50389-9	WL-09	T	Solid	8260B	

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 510-60833					
510-50389-1	WL-01	P	Solid	1311	
510-50389-6	WL-06	P	Solid	1311	
510-50389-9	WL-09	P	Solid	1311	
Prep Batch: 510-60848					
LCS 510-60848/2-A	Lab Control Sample	T	Water	3510C	
LCSD 510-60848/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 510-60848/1-A	Method Blank	T	Water	3510C	
510-50389-1	WL-01	P	Solid	3510C	510-60833
510-50389-6	WL-06	P	Solid	3510C	510-60833
510-50389-9	WL-09	P	Solid	3510C	510-60833
Analysis Batch:510-60898					
LCS 510-60848/2-A	Lab Control Sample	T	Water	8270C	510-60848
LCSD 510-60848/3-A	Lab Control Sample Duplicate	T	Water	8270C	510-60848
MB 510-60848/1-A	Method Blank	T	Water	8270C	510-60848
510-50389-1	WL-01	P	Solid	8270C	510-60848
510-50389-6	WL-06	P	Solid	8270C	510-60848
510-50389-9	WL-09	P	Solid	8270C	510-60848
Prep Batch: 510-61009					
510-50389-1	WL-01	T	Solid	3541	
510-50389-1MS	Matrix Spike	T	Solid	3541	
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	3541	
510-50389-6	WL-06	T	Solid	3541	
510-50389-9	WL-09	T	Solid	3541	
Analysis Batch:510-61081					
510-50389-1	WL-01	T	Solid	8270C	510-61009
510-50389-1MS	Matrix Spike	T	Solid	8270C	510-61009
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	8270C	510-61009
510-50389-6	WL-06	T	Solid	8270C	510-61009
510-50389-9	WL-09	T	Solid	8270C	510-61009

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 510-60823					
LCS 510-60823/2-A	Lab Control Sample	T	Solid	3541	
MB 510-60823/1-A	Method Blank	T	Solid	3541	
510-50389-1	WL-01	T	Solid	3541	
510-50389-1MS	Matrix Spike	T	Solid	3541	
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	3541	
510-50389-6	WL-06	T	Solid	3541	
510-50389-9	WL-09	T	Solid	3541	
Analysis Batch:510-60950					
LCS 510-60823/2-A	Lab Control Sample	T	Solid	8082	510-60823
MB 510-60823/1-A	Method Blank	T	Solid	8082	510-60823
510-50389-1	WL-01	T	Solid	8082	510-60823
510-50389-1MS	Matrix Spike	T	Solid	8082	510-60823
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	8082	510-60823
510-50389-6	WL-06	T	Solid	8082	510-60823
510-50389-9	WL-09	T	Solid	8082	510-60823
Prep Batch: 500-82091					
LB 500-82091/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 500-82091/1-F	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB2 500-82091/2-C	TCLP SPLPW Leachate Blank	P	Solid	1311	
LB2 500-82091/2-F	TCLP SPLPW Leachate Blank	P	Solid	1311	
510-50389-1	WL-01	P	Solid	1311	
510-50389-6	WL-06	P	Solid	1311	
510-50389-9	WL-09	P	Solid	1311	
Prep Batch: 500-82116					
LCS 500-82116/2-A	Lab Control Sample	T	Solid	3541	
MB 500-82116/1-A	Method Blank	T	Solid	3541	
510-50389-1	WL-01	T	Solid	3541	
510-50389-1MS	Matrix Spike	T	Solid	3541	
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	3541	
510-50389-6	WL-06	T	Solid	3541	
510-50389-9	WL-09	T	Solid	3541	
Prep Batch: 500-82212					
LCS 500-82212/2-A	Lab Control Sample	T	Water	3510C	
LCS 500-82212/3-A	Lab Control Sample	T	Water	3510C	
MB 500-82212/1-A	Method Blank	T	Water	3510C	
LB 500-82091/1-C	TCLP SPLPE Leachate Blank	P	Solid	3510C	500-82091
LB2 500-82091/2-C	TCLP SPLPW Leachate Blank	P	Solid	3510C	500-82091
510-50389-1	WL-01	P	Solid	3510C	500-82091
510-50389-6	WL-06	P	Solid	3510C	500-82091
510-50389-9	WL-09	P	Solid	3510C	500-82091

TestAmerica Valparaiso

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC Semi VOA					
Prep Batch: 500-82388					
LCS 500-82388/2-A	Lab Control Sample	T	Water	8151A	
MB 500-82388/1-A	Method Blank	T	Water	8151A	
LB 500-82091/1-F	TCLP SPLPE Leachate Blank	P	Solid	8151A	500-82091
LB2 500-82091/2-F	TCLP SPLPW Leachate Blank	P	Solid	8151A	500-82091
510-50389-1	WL-01	P	Solid	8151A	500-82091
510-50389-6	WL-06	P	Solid	8151A	500-82091
510-50389-9	WL-09	P	Solid	8151A	500-82091
Analysis Batch:500-82492					
LB 500-82091/1-C	TCLP SPLPE Leachate Blank	P	Solid	8081A	500-82212
LB2 500-82091/2-C	TCLP SPLPW Leachate Blank	P	Solid	8081A	500-82212
LCS 500-82212/2-A	Lab Control Sample	T	Water	8081A	500-82212
LCS 500-82212/3-A	Lab Control Sample	T	Water	8081A	500-82212
MB 500-82212/1-A	Method Blank	T	Water	8081A	500-82212
510-50389-1	WL-01	P	Solid	8081A	500-82212
510-50389-6	WL-06	P	Solid	8081A	500-82212
510-50389-9	WL-09	P	Solid	8081A	500-82212
Analysis Batch:500-82510					
LCS 500-82116/2-A	Lab Control Sample	T	Solid	8081A	500-82116
MB 500-82116/1-A	Method Blank	T	Solid	8081A	500-82116
510-50389-1	WL-01	T	Solid	8081A	500-82116
510-50389-1MS	Matrix Spike	T	Solid	8081A	500-82116
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	8081A	500-82116
510-50389-6	WL-06	T	Solid	8081A	500-82116
510-50389-9	WL-09	T	Solid	8081A	500-82116
Analysis Batch:500-82516					
LB 500-82091/1-F	TCLP SPLPE Leachate Blank	P	Solid	8151A	500-82388
LB2 500-82091/2-F	TCLP SPLPW Leachate Blank	P	Solid	8151A	500-82388
LCS 500-82388/2-A	Lab Control Sample	T	Water	8151A	500-82388
MB 500-82388/1-A	Method Blank	T	Water	8151A	500-82388
510-50389-1	WL-01	P	Solid	8151A	500-82388
510-50389-6	WL-06	P	Solid	8151A	500-82388
510-50389-9	WL-09	P	Solid	8151A	500-82388

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 510-60785					
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 510-60785/4-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
510-50389-2	WL-02	P	Solid	1311	
510-50389-2MS	Matrix Spike	P	Solid	1311	
510-50389-3	WL-03	P	Solid	1311	
510-50389-3MS	Matrix Spike	P	Solid	1311	
510-50389-4	WL-04	P	Solid	1311	
510-50389-4MS	Matrix Spike	P	Solid	1311	
510-50389-5	WL-05	P	Solid	1311	
510-50389-5MS	Matrix Spike	P	Solid	1311	
510-50389-7	WL-07	P	Solid	1311	
510-50389-7MS	Matrix Spike	P	Solid	1311	
510-50389-8	WL-08	P	Solid	1311	
510-50389-8MS	Matrix Spike	P	Solid	1311	
Prep Batch: 510-60808					
LCS 510-60808/2-A	Lab Control Sample	T	Water	3010A	
MB 510-60808/1-A	Method Blank	T	Water	3010A	
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	3010A	510-60785
510-50389-2	WL-02	P	Solid	3010A	510-60785
510-50389-2MS	Matrix Spike	P	Solid	3010A	510-60785
510-50389-3	WL-03	P	Solid	3010A	510-60785
510-50389-4	WL-04	P	Solid	3010A	510-60785
510-50389-4MS	Matrix Spike	P	Solid	3010A	510-60785
510-50389-5	WL-05	P	Solid	3010A	510-60785
510-50389-5MS	Matrix Spike	P	Solid	3010A	510-60785
510-50389-7	WL-07	P	Solid	3010A	510-60785
510-50389-7MS	Matrix Spike	P	Solid	3010A	510-60785
510-50389-8	WL-08	P	Solid	3010A	510-60785

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 510-60826					
LCS 510-60826/2-A ^100	Lab Control Sample	T	Solid	3050B	
LCS 510-60826/2-A ^2	Lab Control Sample	T	Solid	3050B	
LCS 510-60826/2-A ^5	Lab Control Sample	T	Solid	3050B	
MB 510-60826/1-A ^100	Method Blank	T	Solid	3050B	
MB 510-60826/1-A ^2	Method Blank	T	Solid	3050B	
MB 510-60826/1-A ^5	Method Blank	T	Solid	3050B	
510-50389-1	WL-01	T	Solid	3050B	
510-50389-1MS	Matrix Spike	T	Solid	3050B	
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
510-50389-2	WL-02	T	Solid	3050B	
510-50389-3	WL-03	T	Solid	3050B	
510-50389-4	WL-04	T	Solid	3050B	
510-50389-5	WL-05	T	Solid	3050B	
510-50389-6	WL-06	T	Solid	3050B	
510-50389-7	WL-07	T	Solid	3050B	
510-50389-8	WL-08	T	Solid	3050B	
510-50389-9	WL-09	T	Solid	3050B	
Prep Batch: 510-60832					
LB 510-60832/4-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 510-60832/4-C ^10	TCLP SPLPE Leachate Blank	P	Solid	1311	
510-50389-1	WL-01	P	Solid	1311	
510-50389-1MS	Matrix Spike	P	Solid	1311	
510-50389-1MSD	Matrix Spike Duplicate	P	Solid	1311	
510-50389-6	WL-06	P	Solid	1311	
510-50389-9	WL-09	P	Solid	1311	
510-50389-9MS	Matrix Spike	P	Solid	1311	

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 510-60842					
LCS 510-60842/2-A	Lab Control Sample	T	Water	7470A	
MB 510-60842/1-A	Method Blank	T	Water	7470A	
LB 510-60785/4-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60785
LB 510-60832/4-B	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60832
510-50389-1	WL-01	P	Solid	7470A	510-60832
510-50389-1MS	Matrix Spike	P	Solid	7470A	510-60832
510-50389-2	WL-02	P	Solid	7470A	510-60785
510-50389-2MS	Matrix Spike	P	Solid	7470A	510-60785
510-50389-3	WL-03	P	Solid	7470A	510-60785
510-50389-3MS	Matrix Spike	P	Solid	7470A	510-60785
510-50389-4	WL-04	P	Solid	7470A	510-60785
510-50389-4MS	Matrix Spike	P	Solid	7470A	510-60785
510-50389-5	WL-05	P	Solid	7470A	510-60785
510-50389-5MS	Matrix Spike	P	Solid	7470A	510-60785
510-50389-6	WL-06	P	Solid	7470A	510-60832
510-50389-7	WL-07	P	Solid	7470A	510-60785
510-50389-7MS	Matrix Spike	P	Solid	7470A	510-60785
510-50389-8	WL-08	P	Solid	7470A	510-60785
510-50389-8MS	Matrix Spike	P	Solid	7470A	510-60785
510-50389-9	WL-09	P	Solid	7470A	510-60832
510-50389-9MS	Matrix Spike	P	Solid	7470A	510-60832
Prep Batch: 510-60845					
LCS 510-60845/2-A	Lab Control Sample	T	Water	3010A	
MB 510-60845/1-A	Method Blank	T	Water	3010A	
LB 510-60832/4-C ^10	TCLP SPLPE Leachate Blank	P	Solid	3010A	510-60832
510-50389-1	WL-01	P	Solid	3010A	510-60832
510-50389-1MS	Matrix Spike	P	Solid	3010A	510-60832
510-50389-1MSD	Matrix Spike Duplicate	P	Solid	3010A	510-60832
510-50389-6	WL-06	P	Solid	3010A	510-60832
510-50389-9	WL-09	P	Solid	3010A	510-60832
510-50389-9MS	Matrix Spike	P	Solid	3010A	510-60832

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 510-60864					
LCS 510-60864/10-A ^5	Lab Control Sample	T	Solid	7471A	
MB 510-60864/9-A	Method Blank	T	Solid	7471A	
510-50389-1	WL-01	T	Solid	7471A	
510-50389-1MS	Matrix Spike	T	Solid	7471A	
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
510-50389-2	WL-02	T	Solid	7471A	
510-50389-3	WL-03	T	Solid	7471A	
510-50389-4	WL-04	T	Solid	7471A	
510-50389-5	WL-05	T	Solid	7471A	
510-50389-6	WL-06	T	Solid	7471A	
510-50389-7	WL-07	T	Solid	7471A	
510-50389-8	WL-08	T	Solid	7471A	
510-50389-9	WL-09	T	Solid	7471A	
Analysis Batch:510-60868					
LB 510-60785/4-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60842
LB 510-60832/4-B	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60842
LCS 510-60842/2-A	Lab Control Sample	T	Water	7470A	510-60842
MB 510-60842/1-A	Method Blank	T	Water	7470A	510-60842
510-50389-1	WL-01	P	Solid	7470A	510-60842
510-50389-1MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-2	WL-02	P	Solid	7470A	510-60842
510-50389-2MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-3	WL-03	P	Solid	7470A	510-60842
510-50389-3MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-4	WL-04	P	Solid	7470A	510-60842
510-50389-4MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-5	WL-05	P	Solid	7470A	510-60842
510-50389-5MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-6	WL-06	P	Solid	7470A	510-60842
510-50389-7	WL-07	P	Solid	7470A	510-60842
510-50389-7MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-8	WL-08	P	Solid	7470A	510-60842
510-50389-8MS	Matrix Spike	P	Solid	7470A	510-60842
510-50389-9	WL-09	P	Solid	7470A	510-60842
510-50389-9MS	Matrix Spike	P	Solid	7470A	510-60842

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:510-60879					
LCS 510-60826/2-A ^5	Lab Control Sample	T	Solid	6020	510-60826
MB 510-60826/1-A ^5	Method Blank	T	Solid	6020	510-60826
510-50389-1	WL-01	T	Solid	6020	510-60826
510-50389-1MS	Matrix Spike	T	Solid	6020	510-60826
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-60826
510-50389-2	WL-02	T	Solid	6020	510-60826
510-50389-3	WL-03	T	Solid	6020	510-60826
510-50389-4	WL-04	T	Solid	6020	510-60826
510-50389-5	WL-05	T	Solid	6020	510-60826
510-50389-6	WL-06	T	Solid	6020	510-60826
510-50389-7	WL-07	T	Solid	6020	510-60826
510-50389-8	WL-08	T	Solid	6020	510-60826
510-50389-9	WL-09	T	Solid	6020	510-60826
Analysis Batch:510-60929					
LCS 510-60864/10-A ^5	Lab Control Sample	T	Solid	7471A	510-60864
MB 510-60864/9-A	Method Blank	T	Solid	7471A	510-60864
510-50389-1	WL-01	T	Solid	7471A	510-60864
510-50389-1MS	Matrix Spike	T	Solid	7471A	510-60864
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	7471A	510-60864
510-50389-2	WL-02	T	Solid	7471A	510-60864
510-50389-3	WL-03	T	Solid	7471A	510-60864
510-50389-4	WL-04	T	Solid	7471A	510-60864
510-50389-5	WL-05	T	Solid	7471A	510-60864
510-50389-6	WL-06	T	Solid	7471A	510-60864
510-50389-7	WL-07	T	Solid	7471A	510-60864
510-50389-8	WL-08	T	Solid	7471A	510-60864
510-50389-9	WL-09	T	Solid	7471A	510-60864
Analysis Batch:510-60944					
LCS 510-60826/2-A ^5	Lab Control Sample	T	Solid	6020	510-60826
MB 510-60826/1-A ^5	Method Blank	T	Solid	6020	510-60826
510-50389-1	WL-01	T	Solid	6020	510-60826
510-50389-1MS	Matrix Spike	T	Solid	6020	510-60826
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-60826
510-50389-2	WL-02	T	Solid	6020	510-60826
510-50389-3	WL-03	T	Solid	6020	510-60826
510-50389-4	WL-04	T	Solid	6020	510-60826
510-50389-5	WL-05	T	Solid	6020	510-60826
510-50389-6	WL-06	T	Solid	6020	510-60826
510-50389-7	WL-07	T	Solid	6020	510-60826
510-50389-8	WL-08	T	Solid	6020	510-60826
510-50389-9	WL-09	T	Solid	6020	510-60826

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:510-60947					
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60808
LCS 510-60808/2-A	Lab Control Sample	T	Water	6010B	510-60808
MB 510-60808/1-A	Method Blank	T	Water	6010B	510-60808
510-50389-2	WL-02	P	Solid	6010B	510-60808
510-50389-2MS	Matrix Spike	P	Solid	6010B	510-60808
510-50389-3	WL-03	P	Solid	6010B	510-60808
510-50389-4	WL-04	P	Solid	6010B	510-60808
510-50389-4MS	Matrix Spike	P	Solid	6010B	510-60808
510-50389-5	WL-05	P	Solid	6010B	510-60808
510-50389-5MS	Matrix Spike	P	Solid	6010B	510-60808
510-50389-7	WL-07	P	Solid	6010B	510-60808
510-50389-7MS	Matrix Spike	P	Solid	6010B	510-60808
510-50389-8	WL-08	P	Solid	6010B	510-60808
Analysis Batch:510-61022					
LCS 510-60826/2-A ^2	Lab Control Sample	T	Solid	6010B	510-60826
MB 510-60826/1-A ^2	Method Blank	T	Solid	6010B	510-60826
510-50389-1	WL-01	T	Solid	6010B	510-60826
510-50389-1MS	Matrix Spike	T	Solid	6010B	510-60826
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	6010B	510-60826
510-50389-2	WL-02	T	Solid	6010B	510-60826
510-50389-3	WL-03	T	Solid	6010B	510-60826
510-50389-4	WL-04	T	Solid	6010B	510-60826
510-50389-5	WL-05	T	Solid	6010B	510-60826
510-50389-6	WL-06	T	Solid	6010B	510-60826
510-50389-7	WL-07	T	Solid	6010B	510-60826
510-50389-8	WL-08	T	Solid	6010B	510-60826
510-50389-9	WL-09	T	Solid	6010B	510-60826
Analysis Batch:510-61069					
LB 510-60832/4-C ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60845
LCS 510-60845/2-A	Lab Control Sample	T	Water	6010B	510-60845
MB 510-60845/1-A	Method Blank	T	Water	6010B	510-60845
510-50389-1	WL-01	P	Solid	6010B	510-60845
510-50389-1MS	Matrix Spike	P	Solid	6010B	510-60845
510-50389-1MSD	Matrix Spike Duplicate	P	Solid	6010B	510-60845
510-50389-6	WL-06	P	Solid	6010B	510-60845
510-50389-9	WL-09	P	Solid	6010B	510-60845
510-50389-9MS	Matrix Spike	P	Solid	6010B	510-60845

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:510-61095					
LB 510-60832/4-C ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60845
LCS 510-60845/2-A	Lab Control Sample	T	Water	6010B	510-60845
MB 510-60845/1-A	Method Blank	T	Water	6010B	510-60845
510-50389-1	WL-01	P	Solid	6010B	510-60845
510-50389-1MS	Matrix Spike	P	Solid	6010B	510-60845
510-50389-1MSD	Matrix Spike Duplicate	P	Solid	6010B	510-60845
510-50389-6	WL-06	P	Solid	6010B	510-60845
510-50389-9	WL-09	P	Solid	6010B	510-60845
510-50389-9MS	Matrix Spike	P	Solid	6010B	510-60845
Analysis Batch:510-61117					
LCS 510-60826/2-A ^100	Lab Control Sample	T	Solid	6020	510-60826
MB 510-60826/1-A ^100	Method Blank	T	Solid	6020	510-60826
510-50389-1	WL-01	T	Solid	6020	510-60826
510-50389-1MS	Matrix Spike	T	Solid	6020	510-60826
510-50389-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-60826
510-50389-2	WL-02	T	Solid	6020	510-60826
510-50389-3	WL-03	T	Solid	6020	510-60826
510-50389-4	WL-04	T	Solid	6020	510-60826
510-50389-5	WL-05	T	Solid	6020	510-60826
510-50389-6	WL-06	T	Solid	6020	510-60826
510-50389-7	WL-07	T	Solid	6020	510-60826
510-50389-8	WL-08	T	Solid	6020	510-60826
510-50389-9	WL-09	T	Solid	6020	510-60826

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:510-60767					
MB 510-60767/1	Method Blank	T	Solid	Moisture	
510-50389-1	WL-01	T	Solid	Moisture	
510-50389-1DU	Duplicate	T	Solid	Moisture	
510-50389-2	WL-02	T	Solid	Moisture	
510-50389-3	WL-03	T	Solid	Moisture	
510-50389-4	WL-04	T	Solid	Moisture	
510-50389-5	WL-05	T	Solid	Moisture	
510-50389-6	WL-06	T	Solid	Moisture	
510-50389-7	WL-07	T	Solid	Moisture	
510-50389-8	WL-08	T	Solid	Moisture	
510-50389-9	WL-09	T	Solid	Moisture	
Prep Batch: 510-60910					
LCS 510-60910/2-A	Lab Control Sample	T	Solid	9012A	
LLCS 510-60910/3-A	Low Level Control Sample	T	Solid	9012A	
MB 510-60910/1-A	Method Blank	T	Solid	9012A	
510-50389-1	WL-01	T	Solid	9012A	
510-50389-6	WL-06	T	Solid	9012A	
510-50389-9	WL-09	T	Solid	9012A	
Analysis Batch:510-60957					
LCS 510-60910/2-A	Lab Control Sample	T	Solid	9012A	510-60910
LLCS 510-60910/3-A	Low Level Control Sample	T	Solid	9012A	510-60910
MB 510-60910/1-A	Method Blank	T	Solid	9012A	510-60910
510-50389-1	WL-01	T	Solid	9012A	510-60910
510-50389-6	WL-06	T	Solid	9012A	510-60910
510-50389-9	WL-09	T	Solid	9012A	510-60910

Report Basis

T = Total

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec
510-50389-1	WL-01	108	95	97
510-50389-6	WL-06	108	101	97
510-50389-9	WL-09	109	100	98
MB 510-60998/6		102	102	97
LCS 510-60998/3		103	102	101
LCSD 510-60998/4		94	99	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	76-137
BFB = 4-Bromofluorobenzene (Surr)	50-150
TOL = Toluene-d8 (Surr)	70-130

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec
MB 510-60825/6		105	115	98
LCS 510-60825/3		97	114	99
LCSD 510-60825/4		97	109	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	81-126
BFB = 4-Bromofluorobenzene (Surr)	77-132
TOL = Toluene-d8 (Surr)	89-108

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-50389-1 DL	WL-01 DL	102	99	115
510-50389-6 DL	WL-06 DL	103	101	126
510-50389-9 DL	WL-09 DL	100	99	116

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	81-126
TOL = Toluene-d8 (Surr)	89-108
BFB = 4-Bromofluorobenzene (Surr)	77-132

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
510-50389-1	WL-01	67	2X	66	12	66	0X
510-50389-6	WL-06	63	0X	65	14	68	0X
510-50389-9	WL-09	56	2X	57	24	62	0X
510-50389-1 MS	WL-01 MS	59	1X	50	12	61	0X
510-50389-1 MSD	WL-01 MSD	61	2X	54	37	72	0X

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	14-104
2FP = 2-Fluorophenol	10-102
NBZ = Nitrobenzene-d5	10-105
PHL = Phenol-d5	10-94
TPH = Terphenyl-d14	31-119
TBP = 2,4,6-Tribromophenol	10-128

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TBP %Rec
510-50389-1	WL-01	60	36	55	27	46
510-50389-6	WL-06	62	37	58	27	54
510-50389-9	WL-09	57	34	54	24	48
MB 510-60848/1-A		66	45	68	33	45
LCS 510-60848/2-A		72	45	60	32	61
LCSD 510-60848/3-A		69	42	58	31	63

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	10-129
2FP = 2-Fluorophenol	10-87
NBZ = Nitrobenzene-d5	10-135
PHL = Phenol-d5	10-69
TBP = 2,4,6-Tribromophenol	10-168

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DBC1 %Rec
510-50389-1	WL-01	107	29
510-50389-6	WL-06	74	2X
510-50389-9	WL-09	98	24
MB 510-60823/1-A		113	68
LCS 510-60823/2-A		113	80
510-50389-1 MS	WL-01 MS	102	47
510-50389-1 MSD	WL-01 MSD	101	33

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	14-147
DBC = Dibutylchlorodate	10-132

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
510-50389-1	WL-01	95	100
510-50389-6	WL-06	89	90
510-50389-9	WL-09	62	54
MB 500-82116/1-A		92	64
LCS 500-82116/2-A		92	67
510-50389-1 MS	WL-01 MS	87	80
510-50389-1 MSD	WL-01 MSD	93	85

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	40-124
TCX = Tetrachloro-m-xylene	28-120

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
510-50389-1	WL-01	100	83
510-50389-6	WL-06	105	86
510-50389-9	WL-09	100	82
MB 500-82212/1-A		103	82
LB 500-82091/1-C		99	78
LB2 500-82091/2-C		93	76
LCS 500-82212/2-A		84	80
LCS 500-82212/3-A		103	73

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	20-120
TCX = Tetrachloro-m-xylene	31-121

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCPA2 %Rec
510-50389-1	WL-01	60
510-50389-6	WL-06	61
510-50389-9	WL-09	66
MB 500-82388/1-A		55
LB 500-82091/1-F		57
LB2 500-82091/2-F		60
LCS 500-82388/2-A		66

Surrogate	Acceptance Limits
DCPA = DCAA	42-120

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60825

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 510-60825/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1213
Date Prepared: 03/16/2010 1213

Analysis Batch: 510-60825
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6840.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	<0.00023		0.00023	0.0050
2-Butanone (MEK)	<0.0023		0.0023	0.010
Carbon tetrachloride	<0.00050		0.00050	0.0050
Chlorobenzene	<0.00050		0.00050	0.0050
Chloroform	<0.00054		0.00054	0.0050
1,2-Dichloroethane	<0.00050		0.00050	0.0050
1,1-Dichloroethene	<0.00078		0.00078	0.0050
Trichloroethene	<0.00050		0.00050	0.0050
Vinyl chloride	<0.00050		0.00050	0.0020
Tetrachloroethene	<0.00024		0.00024	0.0050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	81 - 126
4-Bromofluorobenzene (Surr)	115	77 - 132
Toluene-d8 (Surr)	98	89 - 108

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-60825**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 510-60825/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1028
Date Prepared: 03/16/2010 1028

Analysis Batch: 510-60825
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6837.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 510-60825/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1101
Date Prepared: 03/16/2010 1101

Analysis Batch: 510-60825
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6838.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	100	96	78 - 117	4	30		
2-Butanone (MEK)	91	80	32 - 182	13	30		
Carbon tetrachloride	101	98	73 - 131	3	30		
Chlorobenzene	105	95	76 - 112	10	30		
Chloroform	102	97	78 - 125	5	30		
1,2-Dichloroethane	96	91	75 - 131	6	30		
1,1-Dichloroethane	102	99	56 - 158	3	30		
Trichloroethene	98	94	80 - 122	4	30		
Vinyl chloride	84	88	61 - 149	5	30		
Tetrachloroethene	98	94	77 - 123	4	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	97		97		81 - 126		
4-Bromofluorobenzene (Surr)	114		109		77 - 132		
Toluene-d8 (Surr)	99		100		89 - 108		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60998

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 510-60998/6
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 03/19/2010 1158
 Date Prepared: 03/19/2010 1158

Analysis Batch: 510-60998
 Prep Batch: N/A
 Units: mg/Kg

Instrument ID: VMSA
 Lab File ID: E8771.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	RL
Acetone	<0.0014		0.0014	0.010
Benzene	<0.0011		0.0011	0.0050
Dichlorobromomethane	<0.00055		0.00055	0.0050
Bromoform	<0.0012		0.0012	0.0050
Bromomethane	<0.0018		0.0018	0.0050
2-Butanone (MEK)	<0.0029		0.0029	0.010
Carbon disulfide	<0.0010		0.0010	0.0050
Carbon tetrachloride	<0.00045		0.00045	0.0050
Chlorodibromomethane	<0.00084		0.00084	0.0050
Chlorobenzene	<0.00068		0.00068	0.0050
Chloroethane	<0.0011		0.0011	0.0050
Chloroform	<0.00075		0.00075	0.0050
Chloromethane	<0.00096		0.00096	0.0050
Cyclohexane	<0.00047		0.00047	0.0050
1,1-Dichloroethane	<0.00062		0.00062	0.0050
1,2-Dichloroethane	<0.00051		0.00051	0.0050
1,1-Dichloroethene	<0.00055		0.00055	0.0050
cis-1,2-Dichloroethene	<0.00073		0.00073	0.0050
trans-1,2-Dichloroethene	<0.00055		0.00055	0.0050
trans-1,3-Dichloropropene	<0.00060		0.00060	0.0050
cis-1,3-Dichloropropene	<0.00076		0.00076	0.0050
1,2-Dichloropropane	<0.00043		0.00043	0.0050
Ethylbenzene	<0.00064		0.00064	0.0050
2-Hexanone	<0.0014		0.0014	0.010
Methyl acetate	<0.00086		0.00086	0.0050
Methylene Chloride	<0.00039		0.00039	0.0050
Methylcyclohexane	<0.0010		0.0010	0.0050
Methyl tert-butyl ether	<0.0016		0.0016	0.0050
Styrene	<0.00034		0.00034	0.0050
1,1,1-Trichloroethane	<0.00069		0.00069	0.0050
1,1,2-Trichloroethane	<0.0016		0.0016	0.0050
Trichloroethene	<0.00080		0.00080	0.0050
Trichlorofluoromethane	<0.0011		0.0011	0.0050
Vinyl acetate	<0.00046		0.00046	0.0050
Vinyl chloride	<0.0014		0.0014	0.0050
Xylenes, Total	<0.0017		0.0017	0.010
Toluene	<0.00077		0.00077	0.0050
Tetrachloroethene	<0.0013		0.0013	0.0050
Isopropylbenzene	<0.00046		0.00046	0.0050
m-Xylene & p-Xylene	<0.0011		0.0011	0.0050
o-Xylene	<0.00061		0.00061	0.0050

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60998

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 510-60998/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1158
Date Prepared: 03/19/2010 1158

Analysis Batch: 510-60998
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8771.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	RL
methyl isobutyl ketone	<0.0013		0.0013	0.010

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	76 - 137
4-Bromofluorobenzene (Surr)	102	50 - 150
Toluene-d8 (Surr)	97	70 - 130

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-60998**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 510-60998/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1016
Date Prepared: 03/19/2010 1016

Analysis Batch: 510-60998
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8768.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 510-60998/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1050
Date Prepared: 03/19/2010 1050

Analysis Batch: 510-60998
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8769.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 g

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	92	81	10 - 196	13	30		
Benzene	107	106	81 - 116	2	30		
Dichlorobromomethane	112	106	72 - 132	5	30		
Bromoform	111	104	67 - 135	7	30		
Bromomethane	142	136	32 - 171	4	30		
2-Butanone (MEK)	92	90	40 - 164	3	30		
Carbon disulfide	92	90	33 - 200	3	30		
Carbon tetrachloride	117	116	70 - 139	1	30		
Chlorodibromomethane	105	97	73 - 130	8	30		
Chlorobenzene	109	107	74 - 123	2	30		
Chloroethane	116	128	53 - 139	10	30		
Chloroform	113	111	77 - 124	1	30		
Chloromethane	105	119	44 - 148	13	30		
Cyclohexane	111	109	79 - 136	2	30		
1,1-Dichloroethane	102	97	80 - 123	5	30		
1,2-Dichloroethane	105	102	72 - 130	3	30		
1,1-Dichloroethene	102	99	57 - 149	3	30		
cis-1,2-Dichloroethene	108	107	81 - 122	1	30		
trans-1,2-Dichloroethene	102	96	82 - 129	5	30		
trans-1,3-Dichloropropene	111	105	63 - 133	5	30		
cis-1,3-Dichloropropene	110	107	61 - 127	3	30		
1,2-Dichloropropane	109	106	77 - 122	3	30		
Ethylbenzene	113	111	84 - 124	2	30		
2-Hexanone	97	91	35 - 164	7	30		
Methyl acetate	77	76	36 - 152	1	30		
Methylene Chloride	93	92	72 - 131	1	30		
Methylcyclohexane	115	113	78 - 135	1	30		
Methyl tert-butyl ether	94	91	70 - 125	3	30		
Styrene	109	104	80 - 116	4	30		
1,1,1-Trichloroethane	113	112	78 - 125	1	30		
1,1,2-Trichloroethane	103	97	70 - 127	6	30		
Trichloroethene	111	109	81 - 122	2	30		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-60998**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 510-60998/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1016
Date Prepared: 03/19/2010 1016

Analysis Batch: 510-60998
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8768.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 510-60998/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1050
Date Prepared: 03/19/2010 1050

Analysis Batch: 510-60998
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8769.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 g

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Trichlorofluoromethane	106	119	72 - 135	12	30		
Vinyl acetate	98	99	63 - 150	1	30		
Vinyl chloride	95	103	60 - 137	8	30		
Xylenes, Total	112	109	83 - 124	3	30		
Toluene	109	105	77 - 117	4	30		
Tetrachloroethene	113	108	82 - 127	4	30		
Isopropylbenzene	115	110	79 - 125	4	30		
m-Xylene & p-Xylene	113	110	80 - 127	2	30		
o-Xylene	111	106	79 - 126	4	30		
methyl isobutyl ketone	97	95	63 - 133	2	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	103		94		76 - 137		
4-Bromofluorobenzene (Surr)	102		99		50 - 150		
Toluene-d8 (Surr)	101		98		70 - 130		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60848

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 510-60848/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1605
Date Prepared: 03/16/2010 1153

Analysis Batch: 510-60898
Prep Batch: 510-60848
Units: mg/L

Instrument ID: SMSA
Lab File ID: D2642.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Pyridine	<0.00070		0.00070	0.020
1,4-Dichlorobenzene	<0.0019		0.0019	0.010
2,4-Dinitrotoluene	<0.00073		0.00073	0.010
Hexachlorobenzene	<0.00096		0.00096	0.010
Hexachlorobutadiene	<0.0024		0.0024	0.010
Hexachloroethane	<0.0020		0.0020	0.010
2-Methylphenol	<0.00084		0.00084	0.010
3 & 4 Methylphenol	<0.00067		0.00067	0.010
Nitrobenzene	<0.00080		0.00080	0.010
Pentachlorophenol	<0.00061		0.00061	0.020
2,4,5-Trichlorophenol	<0.00086		0.00086	0.010
2,4,6-Trichlorophenol	<0.00090		0.00090	0.010

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	66	10 - 129
2-Fluorophenol	45	10 - 87
Nitrobenzene-d5	68	10 - 135
Phenol-d5	33	10 - 69
2,4,6-Tribromophenol	45	10 - 168

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-60848**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 510-60848/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1626
Date Prepared: 03/16/2010 1153

Analysis Batch: 510-60898
Prep Batch: 510-60848
Units: mg/L

Instrument ID: SMSA
Lab File ID: D2643.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 510-60848/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1647
Date Prepared: 03/16/2010 1153

Analysis Batch: 510-60898
Prep Batch: 510-60848
Units: mg/L

Instrument ID: SMSA
Lab File ID: D2644.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Pyridine	27	33	10 - 118	21	25	J	J
1,4-Dichlorobenzene	53	50	36 - 88	7	25		
2,4-Dinitrotoluene	77	74	53 - 124	4	25		
Hexachlorobenzene	82	81	66 - 110	1	25		
Hexachlorobutadiene	52	50	24 - 116	3	25		
Hexachloroethane	50	47	30 - 92	8	25		
2-Methylphenol	58	58	38 - 96	0	25		
3 & 4 Methylphenol	55	56	16 - 108	2	25		
Nitrobenzene	56	55	45 - 105	2	25		
Pentachlorophenol	31	31	10 - 159	1	25	J	J
2,4,5-Trichlorophenol	68	67	27 - 111	2	25		
2,4,6-Trichlorophenol	69	64	20 - 115	7	25		
Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits				
2-Fluorobiphenyl	72	69	10 - 129				
2-Fluorophenol	45	42	10 - 87				
Nitrobenzene-d5	60	58	10 - 135				
Phenol-d5	32	31	10 - 69				
2,4,6-Tribromophenol	61	63	10 - 168				

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-61009**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1231
Date Prepared: 03/19/2010 1130

Analysis Batch: 510-61081
Prep Batch: 510-61009

Instrument ID: SMSA
Lab File ID: D2754.D
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1251
Date Prepared: 03/19/2010 1130

Analysis Batch: 510-61081
Prep Batch: 510-61009

Instrument ID: SMSA
Lab File ID: D2755.D
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthylene	63	72	46 - 128	12	25		
Anthracene	68	77	59 - 119	12	25		
Benzo[a]anthracene	71	81	53 - 124	12	25		
Benzo[a]pyrene	68	76	67 - 114	10	25		
Benzo[b]fluoranthene	64	72	50 - 122	12	25		
Benzo[g,h,i]perylene	57	72	18 - 147	23	25		
Benzo[k]fluoranthene	67	75	58 - 132	11	25		
Benzyl alcohol	60	80	29 - 113	29	25		F
Bis(2-chloroethoxy)methane	60	89	40 - 124	39	25		F
Bis(2-chloroethyl)ether	51	59	21 - 120	15	25		
Bis(2-ethylhexyl) phthalate	63	80	61 - 133	23	25		
4-Bromophenyl phenyl ether	62	74	62 - 135	17	25		
Butyl benzyl phthalate	63	80	61 - 135	24	25		
Carbazole	70	82	44 - 134	16	25		
4-Chloroaniline	58	73	10 - 150	24	25		
4-Chloro-3-methylphenol	9	70	29 - 126	153	25	J F	F
2-Chloronaphthalene	59	63	38 - 103	6	25		
2-Chlorophenol	4	9	27 - 119	80	25	J F	J F
4-Chlorophenyl phenyl ether	67	83	67 - 116	21	25		
Chrysene	66	76	53 - 121	14	25		
Dibenz(a,h)anthracene	59	73	27 - 147	21	25		
Dibenzofuran	64	75	54 - 105	16	25		
1,2-Dichlorobenzene	46	52	25 - 100	11	25		
1,3-Dichlorobenzene	43	46	32 - 91	6	25		
1,4-Dichlorobenzene	43	47	29 - 109	7	25		
3,3'-Dichlorobenzidine	71	87	44 - 187	20	25		
2,4-Dichlorophenol	2	4	31 - 99	57	25	J F	J F
Diethyl phthalate	70	93	65 - 131	29	25		F
2,4-Dimethylphenol	35	54	27 - 95	42	25		F

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-61009**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1231
Date Prepared: 03/19/2010 1130

Analysis Batch: 510-61081
Prep Batch: 510-61009

Instrument ID: SMSA
Lab File ID: D2754.D
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1251
Date Prepared: 03/19/2010 1130

Analysis Batch: 510-61081
Prep Batch: 510-61009

Instrument ID: SMSA
Lab File ID: D2755.D
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dimethyl phthalate	69	84	65 - 119	19	25		
Di-n-butyl phthalate	69	80	50 - 148	15	25		
4,6-Dinitro-2-methylphenol	0	0	10 - 150	NC	25	F	F
2,4-Dinitrophenol	0	0	10 - 150	NC	25	F	F
2,4-Dinitrotoluene	67	94	52 - 124	33	25		F
2,6-Dinitrotoluene	68	86	52 - 114	23	25		
Di-n-octyl phthalate	67	77	56 - 162	14	25		
Fluoranthene	70	79	42 - 132	12	25		
Fluorene	67	83	55 - 114	21	25		
Hexachlorobenzene	64	75	48 - 119	16	25		
Hexachlorobutadiene	44	48	10 - 150	8	25		
Hexachlorocyclopentadiene	27	28	10 - 150	4	25		
Hexachloroethane	41	46	10 - 150	11	25		
Indeno[1,2,3-cd]pyrene	58	72	22 - 148	22	25		
Isophorone	53	66	33 - 111	21	25		
2-Methylphenol	36	70	28 - 106	65	25		F
3 & 4 Methylphenol	24	77	34 - 112	104	25	F	F
Naphthalene	51	58	10 - 150	13	25		
2-Nitroaniline	65	79	50 - 117	19	25		
3-Nitroaniline	72	93	10 - 150	25	25		
4-Nitroaniline	74	103	10 - 150	33	25		F
Nitrobenzene	48	53	10 - 150	10	25		
2-Nitrophenol	0	2	24 - 108	NC	25	F	J F
4-Nitrophenol	0	0	19 - 152	NC	25	F	F
N-Nitrosodimethylamine	47	48	24 - 112	2	25		
N-Nitrosodi-n-propylamine	58	83	45 - 123	35	25		F
N-Nitrosodiphenylamine	65	73	46 - 162	12	25		
Pentachlorophenol	0	0	11 - 128	NC	25	F	F
Phenanthrene	66	76	56 - 116	13	25		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-61009**

**Method: 8270C
Preparation: 3541**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1231
Date Prepared: 03/19/2010 1130

Analysis Batch: 510-61081
Prep Batch: 510-61009

Instrument ID: SMSA
Lab File ID: D2754.D
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1251
Date Prepared: 03/19/2010 1130

Analysis Batch: 510-61081
Prep Batch: 510-61009

Instrument ID: SMSA
Lab File ID: D2755.D
Initial Weight/Volume: 30.45 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	13	38	23 - 120	100	25	J F	F
Pyrene	65	76	34 - 127	15	25		
1,2,4-Trichlorobenzene	47	53	35 - 116	11	25		
2,4,5-Trichlorophenol	0	0	38 - 108	NC	25	F	F
2,4,6-Trichlorophenol	0	0	45 - 100	NC	25	F	F
Acenaphthene	63	71	34 - 118	12	25		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
2-Fluorobiphenyl	59		61		14 - 104		
2-Fluorophenol	1	X	2	X	10 - 102		
Nitrobenzene-d5	50		54		10 - 105		
Phenol-d5	12		37		10 - 94		
Terphenyl-d14	61		72		31 - 119		
2,4,6-Tribromophenol	0	X	0	X	10 - 128		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 500-82116

**Method: 8081A
Preparation: 3541**

Lab Sample ID: MB 500-82116/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1209
Date Prepared: 03/17/2010 0705

Analysis Batch: 500-82510
Prep Batch: 500-82116
Units: mg/Kg

Instrument ID: INST15-16
Lab File ID: 03191015_005.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
alpha-BHC	<0.00057		0.00057	0.0017
beta-BHC	<0.00092		0.00092	0.0017
delta-BHC	<0.00074		0.00074	0.0017
gamma-BHC (Lindane)	<0.00030		0.00030	0.0017
Heptachlor	<0.00023		0.00023	0.0017
Aldrin	<0.00057		0.00057	0.0017
Heptachlor epoxide	<0.00036		0.00036	0.0017
Endosulfan I	<0.00071		0.00071	0.0017
Dieldrin	<0.00033		0.00033	0.0017
4,4'-DDE	<0.00033		0.00033	0.0017
Endrin	<0.00062		0.00062	0.0017
Endosulfan II	<0.00035		0.00035	0.0017
4,4'-DDD	<0.00053		0.00053	0.0017
Endosulfan sulfate	<0.00016		0.00016	0.0017
4,4'-DDT	<0.00030		0.00030	0.0017
Methoxychlor	<0.00049		0.00049	0.0083
Endrin ketone	<0.00030		0.00030	0.0017
Endrin aldehyde	<0.00063		0.00063	0.0017
alpha-Chlordane	<0.00046		0.00046	0.0017
gamma-Chlordane	<0.00054		0.00054	0.0017
Toxaphene	<0.0030		0.0030	0.017
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	92		40 - 124	
Tetrachloro-m-xylene	64		28 - 120	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Control Sample - Batch: 500-82116

Method: 8081A
Preparation: 3541

Lab Sample ID: LCS 500-82116/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1229
Date Prepared: 03/17/2010 0705

Analysis Batch: 500-82510
Prep Batch: 500-82116
Units: mg/Kg

Instrument ID: INST15-16
Lab File ID: 03191015_006.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
alpha-BHC	0.0133	0.00960	72	31 - 113	
beta-BHC	0.0133	0.0113	85	44 - 120	
delta-BHC	0.0133	0.0117	88	51 - 111	
gamma-BHC (Lindane)	0.0133	0.0102	77	38 - 114	
Heptachlor	0.0133	0.0102	76	40 - 111	
Aldrin	0.0133	0.00906	68	33 - 114	
Heptachlor epoxide	0.0133	0.00970	73	46 - 111	
Endosulfan I	0.0133	0.00629	47	24 - 110	
Dieldrin	0.0133	0.0104	78	50 - 112	
4,4'-DDE	0.0133	0.0100	75	50 - 114	
Endrin	0.0133	0.0110	83	50 - 123	
Endosulfan II	0.0133	0.00782	59	32 - 110	
4,4'-DDD	0.0133	0.0119	89	49 - 116	
Endosulfan sulfate	0.0133	0.0116	87	47 - 116	
4,4'-DDT	0.0133	0.0118	88	46 - 116	
Methoxychlor	0.0133	0.0133	100	47 - 119	
Endrin ketone	0.0133	0.0124	93	45 - 116	
Endrin aldehyde	0.0133	0.0103	77	41 - 110	
alpha-Chlordane	0.0133	0.00995	75	46 - 110	
gamma-Chlordane	0.0133	0.00998	75	46 - 111	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	40 - 124
Tetrachloro-m-xylene	67	28 - 120

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-82116**

**Method: 8081A
Preparation: 3541**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1308
Date Prepared: 03/17/2010 0705

Analysis Batch: 500-82510
Prep Batch: 500-82116

Instrument ID: INST15-16
Lab File ID: 03191015_008.d
Initial Weight/Volume: 15.4970 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/19/2010 1328
Date Prepared: 03/17/2010 0705

Analysis Batch: 500-82510
Prep Batch: 500-82116

Instrument ID: INST15-16
Lab File ID: 03191015_009.d
Initial Weight/Volume: 15.6287 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
alpha-BHC	64	70	31 - 113	8	30		
beta-BHC	100	104	44 - 120	3	30		
delta-BHC	46	49	51 - 111	6	30	F	F
gamma-BHC (Lindane)	70	73	38 - 114	3	30		
Heptachlor	83	88	40 - 111	5	30		
Aldrin	71	75	33 - 114	4	30		
Heptachlor epoxide	75	79	46 - 111	4	30		
Endosulfan I	13	14	24 - 110	8	30	J F	F
Dieldrin	76	81	50 - 112	6	30		
4,4'-DDE	74	79	50 - 114	6	30		
Endrin	82	88	50 - 123	6	30		
Endosulfan II	15	17	32 - 110	9	30	F	F
4,4'-DDD	82	88	49 - 116	6	30		
Endosulfan sulfate	71	75	47 - 116	6	30		
4,4'-DDT	89	95	46 - 116	6	30		
Methoxychlor	85	92	47 - 119	7	30		
Endrin ketone	88	94	45 - 116	6	30		
Endrin aldehyde	65	69	41 - 110	5	30		
alpha-Chlordane	73	77	46 - 110	4	30		
gamma-Chlordane	73	78	46 - 111	5	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		87	93			40 - 124	
Tetrachloro-m-xylene		80	85			28 - 120	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 500-82212

Method: 8081A
Preparation: 3510C

Lab Sample ID: MB 500-82212/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1432
Date Prepared: 03/18/2010 0830

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_065.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.000050		0.000050	0.00010
gamma-BHC (Lindane)	<0.000025		0.000025	0.000050
Heptachlor	<0.000025		0.000025	0.000050
Heptachlor epoxide	<0.000025		0.000025	0.000050
Endrin	<0.000025		0.000025	0.000050
Methoxychlor	<0.000050		0.000050	0.00010
Toxaphene	<0.00025		0.00025	0.00050
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	103		20 - 120	
Tetrachloro-m-xylene	82		31 - 121	

TCLP SPLPE Leachate Blank - Batch: 500-82212

Method: 8081A
Preparation: 3510C
TCLP

Lab Sample ID: LB 500-82091/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1531
Date Prepared: 03/18/2010 0830
Date Leached: 03/16/2010 1430

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Leachate Batch: 500-82091

Instrument ID: INST15-16
Lab File ID: 03191015_068.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.0050		0.0050	0.010
gamma-BHC (Lindane)	<0.0025		0.0025	0.0050
Heptachlor	<0.0025		0.0025	0.0050
Heptachlor epoxide	<0.0025		0.0025	0.0050
Endrin	<0.0025		0.0025	0.0050
Methoxychlor	<0.0050		0.0050	0.010
Toxaphene	<0.025		0.025	0.050
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	99		20 - 120	
Tetrachloro-m-xylene	78		31 - 121	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

TCLP SPLPW Leachate Blank - Batch: 500-82212

Method: 8081A
Preparation: 3510C
TCLP

Lab Sample ID: LB2 500-82091/2-C
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 03/22/2010 1551
 Date Prepared: 03/18/2010 0830
 Date Leached: 03/16/2010 1430

Analysis Batch: 500-82492
 Prep Batch: 500-82212
 Units: mg/L

Leachate Batch: 500-82091

Instrument ID: INST15-16
 Lab File ID: 03191015_069.d
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.0050		0.0050	0.010
gamma-BHC (Lindane)	<0.0025		0.0025	0.0050
Heptachlor	<0.0025		0.0025	0.0050
Heptachlor epoxide	<0.0025		0.0025	0.0050
Endrin	<0.0025		0.0025	0.0050
Methoxychlor	<0.0050		0.0050	0.010
Toxaphene	<0.025		0.025	0.050

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	93	20 - 120
Tetrachloro-m-xylene	76	31 - 121

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Control Sample - Batch: 500-82212

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 500-82212/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1452
Date Prepared: 03/18/2010 0830

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_066.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
gamma-BHC (Lindane)	0.000100	0.0000977	98	75 - 110	
Heptachlor	0.000100	0.0000922	92	69 - 110	
Heptachlor epoxide	0.000100	0.0000942	94	73 - 110	
Endrin	0.000100	0.000100	100	63 - 119	
Methoxychlor	0.00100	0.000959	96	67 - 113	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	20 - 120
Tetrachloro-m-xylene	80	31 - 121

Lab Control Sample - Batch: 500-82212

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 500-82212/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1512
Date Prepared: 03/18/2010 0830

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_067.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	0.0102	0.00915	89	69 - 116	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	20 - 120
Tetrachloro-m-xylene	73	31 - 121

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60823

Method: 8082
Preparation: 3541

Lab Sample ID: MB 510-60823/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 0928
Date Prepared: 03/16/2010 0842

Analysis Batch: 510-60950
Prep Batch: 510-60823
Units: mg/Kg

Instrument ID: SGCA
Lab File ID: B1642.D
Initial Weight/Volume: 15 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	<0.0023		0.0023	0.020
PCB-1221	<0.0033		0.0033	0.020
PCB-1232	<0.0084		0.0084	0.020
PCB-1242	<0.0050		0.0050	0.020
PCB-1248	<0.00097		0.00097	0.020
PCB-1254	<0.0018		0.0018	0.020
PCB-1260	<0.0016		0.0016	0.020

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	14 - 147
Dibutylchloroendate	68	10 - 132

Lab Control Sample - Batch: 510-60823

Method: 8082
Preparation: 3541

Lab Sample ID: LCS 510-60823/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 0943
Date Prepared: 03/16/2010 0842

Analysis Batch: 510-60950
Prep Batch: 510-60823
Units: mg/Kg

Instrument ID: SGCA
Lab File ID: B1643.D
Initial Weight/Volume: 15 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	0.334	0.355	106	71 - 118	
PCB-1260	0.334	0.342	102	72 - 125	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	14 - 147
Dibutylchloroendate	80	10 - 132

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60823**

**Method: 8082
Preparation: 3541**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 1013
Date Prepared: 03/16/2010 0842

Analysis Batch: 510-60950
Prep Batch: 510-60823

Instrument ID: SGCA
Lab File ID: B1645.D
Initial Weight/Volume: 15.15 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 1029
Date Prepared: 03/16/2010 0842

Analysis Batch: 510-60950
Prep Batch: 510-60823

Instrument ID: SGCA
Lab File ID: B1646.D
Initial Weight/Volume: 15.05 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	99	92	71 - 118	6	30		
PCB-1260	101	98	72 - 125	2	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		102	101			14 - 147	
Dibutylchlorendate		47	33			10 - 132	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 500-82388

**Method: 8151A
Preparation: 8151A**

Lab Sample ID: MB 500-82388/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2010 0540
Date Prepared: 03/20/2010 1446

Analysis Batch: 500-82516
Prep Batch: 500-82388
Units: mg/L

Instrument ID: INST41-42
Lab File ID: 03151042_204.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	<0.00050		0.00050	0.0010
Silvex (2,4,5-TP)	<0.00025		0.00025	0.00010

Surrogate	% Rec	Acceptance Limits
DCAA	55	42 - 120

TCLP SPLPE Leachate Blank - Batch: 500-82388

**Method: 8151A
Preparation: 8151A
TCLP**

Lab Sample ID: LB 500-82091/1-F
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2010 0622
Date Prepared: 03/20/2010 1446
Date Leached: 03/16/2010 1430

Analysis Batch: 500-82516
Prep Batch: 500-82388
Units: mg/L

Leachate Batch: 500-82091

Instrument ID: INST41-42
Lab File ID: 03151042_206.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	<0.050		0.050	0.10
Silvex (2,4,5-TP)	<0.025		0.025	0.010

Surrogate	% Rec	Acceptance Limits
DCAA	57	42 - 120

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

TCLP SPLPW Leachate Blank - Batch: 500-82388

Method: 8151A
Preparation: 8151A
TCLP

Lab Sample ID: LB2 500-82091/2-F	Analysis Batch: 500-82516	Instrument ID: INST41-42
Client Matrix: Solid	Prep Batch: 500-82388	Lab File ID: 03151042_207.d
Dilution: 1.0	Units: mg/L	Initial Weight/Volume: 10 mL
Date Analyzed: 03/23/2010 0643		Final Weight/Volume: 10.0 mL
Date Prepared: 03/20/2010 1446		Injection Volume: 1 uL
Date Leached: 03/16/2010 1430	Leachate Batch: 500-82091	Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	<0.050		0.050	0.10
Silvex (2,4,5-TP)	<0.025		0.025	0.010

Surrogate	% Rec	Acceptance Limits
DCAA	60	42 - 120

Lab Control Sample - Batch: 500-82388

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 500-82388/2-A	Analysis Batch: 500-82516	Instrument ID: INST41-42
Client Matrix: Water	Prep Batch: 500-82388	Lab File ID: 03151042_205.d
Dilution: 1.0	Units: mg/L	Initial Weight/Volume: 1000 mL
Date Analyzed: 03/23/2010 0601		Final Weight/Volume: 10.0 mL
Date Prepared: 03/20/2010 1446		Injection Volume: 1 uL
		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.00400	0.00169	42	11 - 110	
Silvex (2,4,5-TP)	0.00400	0.00290	72	39 - 110	

Surrogate	% Rec	Acceptance Limits
DCAA	66	42 - 120

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-60808/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1217
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	<0.0061		0.0061	0.030
Barium	<0.0014		0.0014	0.010
Cadmium	<0.0013		0.0013	0.010
Chromium	<0.00097		0.00097	0.010
Lead	<0.0064		0.0064	0.050
Selenium	<0.0072		0.0072	0.020
Silver	<0.0038		0.0038	0.040

TCLP SPLPE Leachate Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60785/4-B ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1258
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Result	Qual	MDL	RL
Arsenic	<0.061		0.061	0.30
Barium	0.0624	J	0.014	0.10
Cadmium	<0.013		0.013	0.10
Chromium	<0.0097		0.0097	0.10
Lead	<0.064		0.064	0.50
Selenium	<0.072		0.072	0.20
Silver	<0.038		0.038	0.40

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Control Sample - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60808/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1222
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.500	0.484	97	80 - 120	
Barium	1.00	1.08	108	80 - 120	
Cadmium	0.500	0.544	109	80 - 120	
Chromium	0.500	0.543	109	80 - 120	
Lead	0.500	0.545	109	80 - 120	
Selenium	0.500	0.503	101	80 - 120	
Silver	1.00	1.05	105	80 - 120	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Matrix Spike - Batch: 510-60808

Method: 6010B

Preparation: 3010A

TCLP

Lab Sample ID: 510-50389-2
 Client Matrix: Solid
 Dilution: 10
 Date Analyzed: 03/17/2010 1325
 Date Prepared: 03/15/2010 1420
 Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
 Prep Batch: 510-60808
 Units: mg/L

Instrument ID: MICPC
 Lab File ID: 31761C
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.17	104	50 - 150	
Barium	0.21	40.0	31.9	79	50 - 150	
Cadmium	<0.013	1.00	1.14	114	50 - 150	
Chromium	<0.0097	4.00	4.33	108	50 - 150	
Lead	<0.064	4.00	4.56	114	50 - 150	
Selenium	<0.072	1.00	0.912	91	50 - 150	
Silver	<0.038	4.00	3.27	82	50 - 150	

Matrix Spike - Batch: 510-60808

Method: 6010B

Preparation: 3010A

TCLP

Lab Sample ID: 510-50389-4
 Client Matrix: Solid
 Dilution: 10
 Date Analyzed: 03/17/2010 1346
 Date Prepared: 03/15/2010 1420
 Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
 Prep Batch: 510-60808
 Units: mg/L

Instrument ID: MICPC
 Lab File ID: 31761C
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.31	108	50 - 150	
Barium	0.17	40.0	33.1	82	50 - 150	
Cadmium	<0.013	1.00	1.18	118	50 - 150	
Chromium	<0.0097	4.00	4.48	112	50 - 150	
Lead	<0.064	4.00	4.77	118	50 - 150	
Selenium	<0.072	1.00	0.974	97	50 - 150	
Silver	<0.038	4.00	2.22	55	50 - 150	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50389-5
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1356
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L
Leachate Batch: 510-60785

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.13	103	50 - 150	
Barium	0.21	40.0	32.0	80	50 - 150	
Cadmium	<0.013	1.00	1.13	113	50 - 150	
Chromium	0.022 J	4.00	4.31	107	50 - 150	
Lead	<0.064	4.00	4.54	114	50 - 150	
Selenium	<0.072	1.00	0.893	89	50 - 150	
Silver	<0.038	4.00	2.10	52	50 - 150	

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50389-7
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1406
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L
Leachate Batch: 510-60785

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.05	101	50 - 150	
Barium	0.23	40.0	31.5	78	50 - 150	
Cadmium	<0.013	1.00	1.12	112	50 - 150	
Chromium	0.010 J	4.00	4.26	106	50 - 150	
Lead	<0.064	4.00	4.49	112	50 - 150	
Selenium	<0.072	1.00	0.762	76	50 - 150	
Silver	<0.038	4.00	2.15	54	50 - 150	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60826

**Method: 6010B
Preparation: 3050B**

Lab Sample ID: MB 510-60826/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 03/19/2010 1123
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61022
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Calcium	<27		27	100

Lab Control Sample - Batch: 510-60826

**Method: 6010B
Preparation: 3050B**

Lab Sample ID: LCS 510-60826/2-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 03/19/2010 1129
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61022
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 1.0032 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	9690	9490	98	76 - 124	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60826**

**Method: 6010B
Preparation: 3050B**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/19/2010 1140
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61022
Prep Batch: 510-60826

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 1.0162 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/19/2010 1145
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61022
Prep Batch: 510-60826

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 1.0014 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	-34	327	75 - 125	10	20	4	4

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60845

**Method: 6010B
Preparation: 3010A**

Lab Sample ID: MB 510-60845/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2010 1849
Date Prepared: 03/16/2010 1130

Analysis Batch: 510-61069
Prep Batch: 510-60845
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	<0.0061		0.0061	0.030
Barium	<0.0014		0.0014	0.010
Selenium	<0.0072		0.0072	0.020
Silver	<0.0038		0.0038	0.040

TCLP SPLPE Leachate Blank - Batch: 510-60845

**Method: 6010B
Preparation: 3010A
TCLP**

Lab Sample ID: LB 510-60832/4-C ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/19/2010 1900
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650

Analysis Batch: 510-61069
Prep Batch: 510-60845
Units: mg/L

Leachate Batch: 510-60832

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	<0.061		0.061	0.30
Barium	0.0222	J	0.014	0.10
Selenium	<0.072		0.072	0.20
Silver	<0.038		0.038	0.40

Method Blank - Batch: 510-60845

**Method: 6010B
Preparation: 3010A**

Lab Sample ID: MB 510-60845/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1029
Date Prepared: 03/16/2010 1130

Analysis Batch: 510-61095
Prep Batch: 510-60845
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cadmium	<0.0013		0.0013	0.010
Chromium	<0.00097		0.00097	0.010
Lead	<0.0064		0.0064	0.050

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

TCLP SPLPE Leachate Blank - Batch: 510-60845

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60832/4-C ^10	Analysis Batch: 510-61095	Instrument ID: MICPC
Client Matrix: Solid	Prep Batch: 510-60845	Lab File ID: 31761C
Dilution: 10	Units: mg/L	Initial Weight/Volume: 50 mL
Date Analyzed: 03/22/2010 1039		Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 1130		
Date Leached: 03/15/2010 1650	Leachate Batch: 510-60832	

Analyte	Result	Qual	MDL	RL
Cadmium	<0.013		0.013	0.10
Chromium	<0.0097		0.0097	0.10
Lead	<0.064		0.064	0.50

Lab Control Sample - Batch: 510-60845

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60845/2-A	Analysis Batch: 510-61069	Instrument ID: MICPC
Client Matrix: Water	Prep Batch: 510-60845	Lab File ID: 31761C
Dilution: 1.0	Units: mg/L	Initial Weight/Volume: 50 mL
Date Analyzed: 03/19/2010 1855		Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 1130		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.500	0.515	103	80 - 120	
Barium	1.00	0.965	96	80 - 120	
Selenium	0.500	0.501	100	80 - 120	
Silver	1.00	0.987	99	80 - 120	

Lab Control Sample - Batch: 510-60845

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60845/2-A	Analysis Batch: 510-61095	Instrument ID: MICPC
Client Matrix: Water	Prep Batch: 510-60845	Lab File ID: 31761C
Dilution: 1.0	Units: mg/L	Initial Weight/Volume: 50 mL
Date Analyzed: 03/22/2010 1034		Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 1130		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.500	0.532	106	80 - 120	
Chromium	0.500	0.527	105	80 - 120	
Lead	0.500	0.534	107	80 - 120	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Matrix Spike - Batch: 510-60845

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50389-9
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/19/2010 1939
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650

Analysis Batch: 510-61069
Prep Batch: 510-60845
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60832

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.52	113	50 - 150	
Barium	0.23	40.0	30.9	77	50 - 150	
Selenium	<0.072	1.00	0.957	96	50 - 150	
Silver	<0.038	4.00	3.57	89	50 - 150	

Matrix Spike - Batch: 510-60845

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50389-9
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/22/2010 1116
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650

Analysis Batch: 510-61095
Prep Batch: 510-60845
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60832

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	<0.013	1.00	1.09	109	50 - 150	
Chromium	<0.0097	4.00	4.19	105	50 - 150	
Lead	<0.064	4.00	4.40	110	50 - 150	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60845**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 510-50389-1 Analysis Batch: 510-61069
Client Matrix: Solid Prep Batch: 510-60845
Dilution: 10
Date Analyzed: 03/19/2010 1911
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650 Leachate Batch: 510-60832

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1 Analysis Batch: 510-61069
Client Matrix: Solid Prep Batch: 510-60845
Dilution: 10
Date Analyzed: 03/19/2010 1917
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650 Leachate Batch: 510-60832

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	109	113	50 - 150	4	20		
Barium	75	76	50 - 150	1	20		
Selenium	88	89	50 - 150	1	20		
Silver	83	83	50 - 150	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60845**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 510-50389-1 Analysis Batch: 510-61095
Client Matrix: Solid Prep Batch: 510-60845
Dilution: 10
Date Analyzed: 03/22/2010 1050
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650 Leachate Batch: 510-60832

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1 Analysis Batch: 510-61095
Client Matrix: Solid Prep Batch: 510-60845
Dilution: 10
Date Analyzed: 03/22/2010 1055
Date Prepared: 03/16/2010 1130
Date Leached: 03/15/2010 1650 Leachate Batch: 510-60832

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cadmium	108	115	50 - 150	7	20		
Chromium	104	111	50 - 150	6	20		
Lead	109	115	50 - 150	5	20		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60826

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-60826/1-A ^5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/16/2010 1633
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60879
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.140	J	0.11	0.50
Barium	<0.060		0.060	0.12
Beryllium	<0.021		0.021	0.12
Cadmium	<0.040		0.040	0.25
Cobalt	<0.13		0.13	0.75
Copper	<0.12		0.12	0.50
Lead	<0.062		0.062	0.12
Magnesium	11.1	J	8.2	75
Manganese	<0.10		0.10	0.62
Nickel	<0.095		0.095	0.25
Selenium	0.159	J	0.091	0.25
Sodium	27.3	J	11	75
Thallium	<0.068		0.068	0.25
Vanadium	<0.46		0.46	2.4

Method Blank - Batch: 510-60826

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-60826/1-A ^5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/17/2010 2007
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60944
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Antimony	<0.31		0.31	0.75
Chromium	<0.19		0.19	0.38
Potassium	23.5	J	22	75
Silver	<0.043		0.043	0.50
Zinc	<0.76		0.76	2.0

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60826

Method: 6020

Preparation: 3050B

Lab Sample ID: MB 510-60826/1-A ^100
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2010 1758
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61117
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	<39		39	150
Iron	<26		26	150

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Control Sample - Batch: 510-60826

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-60826/2-A ^5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/16/2010 1637
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60879
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0032 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	107	120	112	71 - 133	
Barium	331	347	105	75 - 125	
Beryllium	74.1	80.1	108	76 - 125	
Cadmium	244	261	107	74 - 126	
Cobalt	85.8	87.2	102	75 - 125	
Copper	65.3	64.5	99	74 - 126	
Lead	107	128	120	69 - 131	
Magnesium	4100	4000	98	70 - 130	
Manganese	452	439	97	77 - 123	
Nickel	96.8	101	104	72 - 128	
Selenium	177	181	102	69 - 131	
Sodium	1060	1250	118	57 - 143	
Thallium	272	258	95	70 - 131	
Vanadium	115	115	100	57 - 143	

Lab Control Sample - Batch: 510-60826

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-60826/2-A ^5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/17/2010 2012
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60944
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0032 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	103	105	102	28 - 306	
Chromium	80.6	75.1	93	69 - 131	
Potassium	4490	4270	95	67 - 133	
Silver	46.2	46.6	101	67 - 133	
Zinc	378	355	94	71 - 130	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Control Sample - Batch: 510-60826

Method: 6020

Preparation: 3050B

Lab Sample ID: LCS 510-60826/2-A ^100
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2010 1802
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61117
Prep Batch: 510-60826
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0032 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10600	10500	99	46 - 154	
Iron	18400	18900	103	42 - 158	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60826**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/16/2010 1647
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60879
Prep Batch: 510-60826

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0162 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/16/2010 1651
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60879
Prep Batch: 510-60826

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0014 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	103	87	75 - 125	13	20		
Barium	111	118	75 - 125	5	20		
Beryllium	108	109	75 - 125	2	20		
Cadmium	104	105	75 - 125	2	20		
Cobalt	86	88	75 - 125	4	20		
Copper	94	89	75 - 125	3	20		
Lead	106	108	75 - 125	3	20		
Magnesium	160	238	75 - 125	7	20	4	4
Manganese	-1450	3710	75 - 125	16	20	4	4
Nickel	90	90	75 - 125	0	20		
Selenium	75	79	75 - 125	6	20		
Sodium	122	125	75 - 125	4	20		
Thallium	106	108	75 - 125	3	20		
Vanadium	127	286	75 - 125	14	20	4	4

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60826**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/17/2010 2020
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60944
Prep Batch: 510-60826

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0162 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/17/2010 2024
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-60944
Prep Batch: 510-60826

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0014 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	58	55	75 - 125	4	20	F	F
Chromium	205	541	75 - 125	12	20	4	4
Potassium	107	112	75 - 125	5	20		
Silver	96	98	75 - 125	4	20		
Zinc	122	104	75 - 125	10	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60826**

**Method: 6020
Preparation: 3050B**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2010 1817
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61117
Prep Batch: 510-60826

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0162 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2010 1821
Date Prepared: 03/16/2010 0854

Analysis Batch: 510-61117
Prep Batch: 510-60826

Instrument ID: MICPMSA
Lab File ID: N/A
Initial Weight/Volume: 1.0014 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	-1130	-4270	75 - 125	23	20	4	4 F
Iron	-7360	-41600	75 - 125	8	20	4	4

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60842

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 510-60842/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1444
Date Prepared: 03/16/2010 0945

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.000057		0.000057	0.0010

TCLP SPLPE Leachate Blank - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 510-60785/4-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1507
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Result	Qual	MDL	RL
Mercury	<0.000057		0.000057	0.0010

TCLP SPLPE Leachate Blank - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 510-60832/4-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1604
Date Prepared: 03/16/2010 1117
Date Leached: 03/15/2010 1650

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60832

Analyte	Result	Qual	MDL	RL
Mercury	<0.000057		0.000057	0.0010

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Lab Control Sample - Batch: 510-60842

Method: 7470A

Preparation: 7470A

Lab Sample ID: LCS 510-60842/2-A

Analysis Batch: 510-60868

Instrument ID: MHGC

Client Matrix: Water

Prep Batch: 510-60842

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 03/16/2010 1450

Final Weight/Volume: 50 mL

Date Prepared: 03/16/2010 0945

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00504	101	80 - 120	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50389-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1511
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00514	103	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50389-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1521
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00530	106	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50389-4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1526
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00511	102	50 - 150	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50389-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1530
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00526	105	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50389-7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1535
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00524	105	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50389-8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1539
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00520	104	50 - 150	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Matrix Spike - Batch: 510-60842

Method: 7470A

Preparation: 7470A

TCLP

Lab Sample ID: 510-50389-1

Analysis Batch: 510-60868

Instrument ID: MHGC

Client Matrix: Solid

Prep Batch: 510-60842

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 03/16/2010 1613

Final Weight/Volume: 50 mL

Date Prepared: 03/16/2010 1117

Date Leached: 03/15/2010 1650

Leachate Batch: 510-60832

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00512	102	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A

Preparation: 7470A

TCLP

Lab Sample ID: 510-50389-9

Analysis Batch: 510-60868

Instrument ID: MHGC

Client Matrix: Solid

Prep Batch: 510-60842

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 03/16/2010 1621

Final Weight/Volume: 50 mL

Date Prepared: 03/16/2010 1117

Date Leached: 03/15/2010 1650

Leachate Batch: 510-60832

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00532	106	50 - 150	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60864

**Method: 7471A
Preparation: 7471A**

Lab Sample ID: MB 510-60864/9-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/17/2010 1317
Date Prepared: 03/17/2010 0925

Analysis Batch: 510-60929
Prep Batch: 510-60864
Units: mg/Kg

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.0029		0.0029	0.010

Lab Control Sample - Batch: 510-60864

**Method: 7471A
Preparation: 7471A**

Lab Sample ID: LCS 510-60864/10-A ^5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/17/2010 1319
Date Prepared: 03/17/2010 0925

Analysis Batch: 510-60929
Prep Batch: 510-60864
Units: mg/Kg

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 0.1018 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.96	2.65	90	52 - 148	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60864**

**Method: 7471A
Preparation: 7471A**

MS Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/17/2010 1324
Date Prepared: 03/17/2010 0925

Analysis Batch: 510-60929
Prep Batch: 510-60864

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 0.5055 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50389-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/17/2010 1326
Date Prepared: 03/17/2010 0925

Analysis Batch: 510-60929
Prep Batch: 510-60864

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 0.5076 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	108	104	75 - 125	4	25		

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60910

Method: 9012A
Preparation: 9012A

Lab Sample ID: MB 510-60910/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 1030
Date Prepared: 03/17/2010 1126

Analysis Batch: 510-60957
Prep Batch: 510-60910
Units: mg/Kg

Instrument ID: GOIANALYTICAL
Lab File ID: C:\NEWFLO~1.2\031810CN.F
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	<0.00024		0.00024	0.0025

Lab Control Sample - Batch: 510-60910

Method: 9012A
Preparation: 9012A

Lab Sample ID: LCS 510-60910/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 1031
Date Prepared: 03/17/2010 1126

Analysis Batch: 510-60957
Prep Batch: 510-60910
Units: mg/Kg

Instrument ID: GOIANALYTICAL
Lab File ID: C:\NEWFLO~1.2\031810CN.F
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0894	0.0749	84	80 - 120	

Low Level Control Sample - Batch: 510-60910

Method: 9012A
Preparation: 9012A

Lab Sample ID: LLCS 510-60910/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/18/2010 1033
Date Prepared: 03/17/2010 1126

Analysis Batch: 510-60957
Prep Batch: 510-60910
Units: mg/Kg

Instrument ID: GOIANALYTICAL
Lab File ID: C:\NEWFLO~1.2\031810CN.F
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.0224	0.0186	83	80 - 120	

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

Quality Control Results

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Method Blank - Batch: 510-60767

**Method: Moisture
Preparation: N/A**

Lab Sample ID: MB 510-60767/1
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 03/14/2010 1049
 Date Prepared: N/A

Analysis Batch: 510-60767
 Prep Batch: N/A
 Units: %

Instrument ID: GBALB
 Lab File ID: N/A
 Initial Weight/Volume:
 Final Weight/Volume:

Analyte	Result	Qual	RL	RL
Percent Moisture	100		0.10	0.10
Percent Solids	<0.10		0.10	0.10

Duplicate - Batch: 510-60767

**Method: Moisture
Preparation: N/A**

Lab Sample ID: 510-50389-1
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 03/14/2010 1049
 Date Prepared: N/A

Analysis Batch: 510-60767
 Prep Batch: N/A
 Units: %

Instrument ID: GBALB
 Lab File ID: N/A
 Initial Weight/Volume:
 Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	13	12	6	20	
Percent Solids	87	88	1	20	

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

Chain of Custody Record

TestAmerica Valparaiso
2400 Cumberland Drive
Valparaiso, IN 46383
Phone (219) 464-2389 Fax (219) 462-2953

Client Information		Sampler: MONTÉ PEAKE		Lab PM: Kintz, Robin M		Carrier Tracking No(s): FedEx Priority Overnight Service 1025 5888 6640		COC No: 510-11364.1	
Client Contact: Doug Martian		Phone: 314-656-4566		E-Mail: robinm.kintz@testamericainc.com		Date: 3/12/10		Page: 1 of 1	
Company: Civil & Environmental Consultants Inc		Address: 4848 Park 370 Blvd. Suite F		City: Hazelwood		State: MO		Zip: 63042	
Phone: 314-656-4566(Tel)		Email: dmartian@cecinc.com		Project Name: Westwood Project		Site: NEAR GRANITE CITY, IL		Job #:	
PO #: 100-406 (CEC PROJECT#)		Purchase Order not requir		Project #: 51001580		SSOW#:		Analysis Requested	
TAT Requested (days): 1 to 7 DAY TAT		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=owenbail, G=grab)	
Due Date Requested:		3/12/10		1040		G		S	
		3/12/10		1055		G		S	
		3/12/10		1105		G		S	
		3/12/10		1115		G		S	
		3/12/10		1125		G		S	
		3/12/10		1135		G		S	
		3/12/10		1200		G		S	
		3/12/10		1210		G		S	
		3/12/10		1220		G		S	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B	
Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological		<input checked="" type="checkbox"/> Unknown		<input type="checkbox"/> Radiological	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		Special Instructions/QC Requirements:	
Relinquished by: Monte Peake		3/12/10 @ 1640		Company: CEC, INC		Received by: [Signature]		Date/Time: 3/12/10 1640	
Relinquished by: [Signature]		3/12/10 @ 1708		Company:		Received by: [Signature]		Date/Time: 3/12/10 17:55 AM To Ann	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks: 1.9°C 510-28-121 / 2.9°C 510-56-003									

Login Sample Receipt Check List

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Login Number: 50389

List Source: TestAmerica Valparaiso

Creator: Cavanaugh, Tim P

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Civil & Environmental Consultants Inc

Job Number: 510-50389-1

Login Number: 50389

Creator: Lunt, Jeff T

List Number: 1

List Source: TestAmerica Chicago

List Creation: 03/16/10 09:58 AM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

REPORT NO.
F10074-7010
ACCOUNT NUMBER
87583

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com



QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
2400 CUMBERLAND DR
VALPARAISO, IN 46383-2502

FOR: WESTWOOD PROJECT
GRANITE CITY IL

ATTN: DEB RICHTER

PURCHASE ORDER: 100-406

LAB NUMBER: 30316
SAMPLE ID: WL-01

DATE RECEIVED: 3/15/2010
DATE REPORTED: 3/19/2010 PAGE: 1 of 3

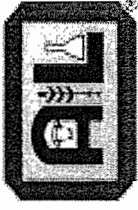
LIME ANALYSIS

PARAMETER	AS RECEIVED BASIS	DRY BASIS	UNIT	REPORTING LIMIT	METHOD REFERENCE
Moisture (105 deg. C)	11.9	0.0	%	0.1	AOAC 950.01
Solids	88.1	100.0	%	0.1	AOAC 950.01
Calcium (Ca)	15.1	17.1	%	0.1	ASTM C602.20/ICP
Magnesium (Mg)	4.45	5.05	%	0.01	ASTM C602.20/ICP
Magnesium (Mg)	89	101	lb/T	0.01	ASTM C602.20/ICP
CCE - Calcium Silicate Slag	74.8	84.9	%	0.1	AOAC 944.01.C
Passing U.S. #8 Sieve	68.4	68.4	%	0.1	AOAC 924.02
Passing U.S. #20 Sieve	43.1	43.1	%	0.1	AOAC 924.02
Passing U.S. #60 Sieve	25.4	25.4	%	0.1	AOAC 924.02

REPORT NO.
F10074-7010
ACCOUNT NUMBER
87583

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
2400 CUMBERLAND DR
VALPARAISO, IN 46383-2502

FOR: WESTWOOD PROJECT
GRANITE CITY IL

ATTN: DEB RICHTER

PURCHASE ORDER: 100-406

LAB NUMBER: 30317
SAMPLE ID: WL-06

DATE RECEIVED: 3/15/2010
DATE REPORTED: 3/19/2010

PAGE: 2 of 3

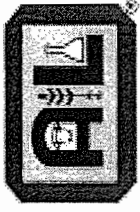
LIME ANALYSIS

PARAMETER	AS RECEIVED BASIS	DRY BASIS	UNIT	REPORTING LIMIT	METHOD REFERENCE
Moisture (105 deg. C)	11.4	0.0	%	0.1	AOAC 950.01
Solids	88.6	100.0	%	0.1	AOAC 950.01
Calcium (Ca)	17.7	20.0	%	0.1	ASTM C602.20/ICP
Magnesium (Mg)	4.47	5.05	%	0.01	ASTM C602.20/ICP
Magnesium (Mg)	89	101	lb/T	0.01	ASTM C602.20/ICP
CCE - Calcium Silicate Slag	65.9	74.4	%	0.1	AOAC 944.01.C
Passing U.S. #8 Sieve	68.3		%	0.1	AOAC 924.02
Passing U.S. #20 Sieve	42.8		%	0.1	AOAC 924.02
Passing U.S. #60 Sieve	26.5		%	0.1	AOAC 924.02

REPORT NO.
F10074-7010
ACCOUNT NUMBER
87583

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
2400 CUMBERLAND DR
VALPARAISO, IN 46383-2502

FOR: WESTWOOD PROJECT
GRANITE CITY IL

ATTN: DEB RICHTER

PURCHASE ORDER: 100-406

LAB NUMBER: 30318
SAMPLE ID: WL-09

DATE RECEIVED: 3/15/2010
DATE REPORTED: 3/19/2010

PAGE: 3 of 3

LIME ANALYSIS

PARAMETER	AS RECEIVED BASIS	DRY BASIS	UNIT	REPORTING LIMIT	METHOD REFERENCE
Moisture (105 deg. C)	11.2	0.0	%	0.1	AOAC 950.01
Solids	88.8	100.0	%	0.1	AOAC 950.01
Calcium (Ca)	16.4	18.5	%	0.1	ASTM C602.20/ICP
Magnesium (Mg)	4.71	5.30	%	0.01	ASTM C602.20/ICP
Magnesium (Mg)	94	106	lb/T	0.01	ASTM C602.20/ICP
CCE - Calcium Silicate Slag	71.8	80.8	%	0.1	AOAC 944.01.C
Passing U.S. #8 Sieve	74.0	74.0	%	0.1	AOAC 924.02
Passing U.S. #20 Sieve	45.9	45.9	%	0.1	AOAC 924.02
Passing U.S. #60 Sieve	26.5	26.5	%	0.1	AOAC 924.02

Report Number: F10074-0221
 Account Number: 87583

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QUALITY ANALYSES FOR INFORMED DECISIONS



TO: TEST AMERICA VALPARAISO
 2400 CUMBERLAND DR
 VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT
 NEAR GRANITE CITY IL

P.O. NUMBER: 100-406

PAGE: 1

DATE RECEIVED: 3/15/2010
 DATE REPORTED: 3/17/2010

ATTN: DEB RICHTER SATURATED MEDIA EXTRACT REPORT

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	RATING*	METHOD
30316	WL-01	Sat'd Media Extraction with DIW	1			NCR-13 No. 221, 1998
		pH	11.9	S.U.	Very High	NCR-13 No. 221, 1998
		Alkalinity	1245	mg/L		
		Conductivity (EC)	5.00	mmho/cm	High	NCR-13 No. 221, 1998
		Nitrate (NO3-N)	< 1	ppm	Low	NCR-13 No. 221, 1998
		Ammonium (NH4-N)	< 1	ppm		NCR-13 No. 221, 1998
		Phosphorus (P)	< 0.5	ppm	Low	NCR-13 No. 221, 1998
		Potassium (K)	2	ppm	Low	NCR-13 No. 221, 1998
		Calcium (Ca)	712	ppm	Optimum	NCR-13 No. 221, 1998
		Magnesium (Mg)	< 1	ppm	Low	NCR-13 No. 221, 1998
		Sodium (Na)	2	ppm	Optimum	NCR-13 No. 221, 1998
		Sulfate (SO4)	117	ppm		NCR-13 No. 221, 1998
		Boron (B)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Iron (Fe)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Manganese (Mn)	< 0.1	ppm	Low	NCR-13 No. 221, 1998

* Refer to Fact Sheet #24 - Evaluation of Potting Media Analysis - for more information.

Report Number: F10074-0221

Account Number: 87583

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
2400 CUMBERLAND DR
VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT
NEAR GRANITE CITY IL

P.O. NUMBER: 100-406

PAGE: 2

DATE RECEIVED: 3/15/2010
DATE REPORTED: 3/17/2010

SATURATED MEDIA EXTRACT REPORT

ATTN: DEB RICHTER

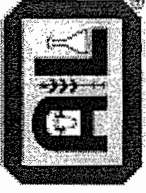
LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	RATING*	METHOD
30316		Zinc (Zn)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Copper (Cu)	< 0.1	ppm	Low	NCR-13 No. 221, 1998

* Refer to Fact Sheet #24 - Evaluation of Potting Media Analysis - for more information.

Report Number: F10074-0221
 Account Number: 87583

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
 2400 CUMBERLAND DR
 VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT
 NEAR GRANITE CITY IL

P.O. NUMBER: 100-406

PAGE: 3

DATE RECEIVED: 3/15/2010
 DATE REPORTED: 3/17/2010

ATTN: DEB RICHTER SATURATED MEDIA EXTRACT REPORT

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	RATING*	METHOD
30317	WL-06	Sat'd Media Extraction with DIW	1			NCR-13 No. 221, 1998
		pH	12.2	S.U.	Very High	NCR-13 No. 221, 1998
		Alkalinity	1405	mg/L		
		Conductivity (EC)	6.51	mmho/cm	Very High	NCR-13 No. 221, 1998
		Nitrate (NO3-N)	< 1	ppm	Low	NCR-13 No. 221, 1998
		Ammonium (NH4-N)	< 1	ppm		NCR-13 No. 221, 1998
		Phosphorus (P)	< 0.5	ppm	Low	NCR-13 No. 221, 1998
		Potassium (K)	3	ppm	Low	NCR-13 No. 221, 1998
		Calcium (Ca)	848	ppm	Optimum	NCR-13 No. 221, 1998
		Magnesium (Mg)	< 1	ppm	Low	NCR-13 No. 221, 1998
		Sodium (Na)	5	ppm	Optimum	NCR-13 No. 221, 1998
		Sulfate (SO4)	18	ppm		NCR-13 No. 221, 1998
		Boron (B)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Iron (Fe)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Manganese (Mn)	< 0.1	ppm	Low	NCR-13 No. 221, 1998

* Refer to Fact Sheet #24 - Evaluation of Potting Media Analysis - for more information.

Report Number: F10074-0221

Account Number: 87583

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QUALITY ANALYSES FOR INFORMED DECISIONS



TO: TEST AMERICA VALPARAISO
2400 CUMBERLAND DR
VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT
NEAR GRANITE CITY IL

P.O. NUMBER: 100-406

PAGE: 4

DATE RECEIVED: 3/15/2010

DATE REPORTED: 3/17/2010

SATURATED MEDIA EXTRACT REPORT

ATTN: DEB RICHTER

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	RATING*	METHOD
30317		Zinc (Zn)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Copper (Cu)	< 0.1	ppm	Low	NCR-13 No. 221, 1998

* Refer to Fact Sheet #24 - Evaluation of Potting Media Analysis - for more information.

Report Number: F10074-0221
 Account Number: 87583

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
 2400 CUMBERLAND DR
 VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT
 NEAR GRANITE CITY IL

P.O. NUMBER: 100-406

PAGE: 5

DATE RECEIVED: 3/15/2010
 DATE REPORTED: 3/17/2010

ATTN: DEB RICHTER SATURATED MEDIA EXTRACT REPORT

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	RATING*	METHOD
30318	WL-09	Sat'd Media Extraction with DIW	1			NCR-13 No. 221, 1998
		pH	12.2	S.U.	Very High	NCR-13 No. 221, 1998
		Alkalinity	1220	mg/L		
		Conductivity (EC)	6.47	mmho/cm	Very High	NCR-13 No. 221, 1998
		Nitrate (NO3-N)	< 1	ppm	Low	NCR-13 No. 221, 1998
		Ammonium (NH4-N)	< 1	ppm		NCR-13 No. 221, 1998
		Phosphorus (P)	< 0.5	ppm	Low	NCR-13 No. 221, 1998
		Potassium (K)	5	ppm	Low	NCR-13 No. 221, 1998
		Calcium (Ca)	825	ppm	Optimum	NCR-13 No. 221, 1998
		Magnesium (Mg)	< 1	ppm	Low	NCR-13 No. 221, 1998
		Sodium (Na)	7	ppm	Optimum	NCR-13 No. 221, 1998
		Sulfate (SO4)	24	ppm		NCR-13 No. 221, 1998
		Boron (B)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Iron (Fe)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Manganese (Mn)	< 0.1	ppm	Low	NCR-13 No. 221, 1998

* Refer to Fact Sheet #24 - Evaluation of Potting Media Analysis - for more information.



Report Number: F10074-0221
Account Number: 87583

A & L GREAT LAKES LABORATORIES, INC.

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www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS



TO: TEST AMERICA VALPARAISO
2400 CUMBERLAND DR
VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT
NEAR GRANITE CITY IL

P.O. NUMBER: 100-406

PAGE: 6

DATE RECEIVED: 3/15/2010
DATE REPORTED: 3/17/2010

ATTN: DEB RICHTER SATURATED MEDIA EXTRACT REPORT

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	RATING*	METHOD
30318		Zinc (Zn)	< 0.1	ppm	Low	NCR-13 No. 221, 1998
		Copper (Cu)	< 0.1	ppm	Low	NCR-13 No. 221, 1998

* Refer to Fact Sheet #24 - Evaluation of Potting Media Analysis - for more information.

Report Number: F10074-0221
 Account Number: 87583

A & L GREAT LAKES LABORATORIES, INC.

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QUALITY ANALYSES FOR INFORMED DECISIONS

TO: TEST AMERICA VALPARAISO
 2400 CUMBERLAND DR
 VALPARAISO, IN 46383-2502

RE: WESTWOOD PROJECT

DATE RECEIVED: 03/15/2010
 DATE REPORTED: 03/17/2010
 PAGE: 1
 P.O. NUMBER: 100-406

ATTN: DEB RICHTER

REPORT OF ANALYSIS

NEAR GRANITE CITY IL

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
30316	WL-01	Sand	83	%	Bouyoucos 1962
		Silt	11	%	Bouyoucos 1962
		Clay	6	%	Bouyoucos 1962
		Soil Textural Class	Loamy Sand		Bouyoucos 1962
30317	WL-06	Sand	85	%	Bouyoucos 1962
		Silt	11	%	Bouyoucos 1962
		Clay	4	%	Bouyoucos 1962
		Soil Textural Class	Loamy Sand		Bouyoucos 1962
30318	WL-09	Sand	87	%	Bouyoucos 1962
		Silt	11	%	Bouyoucos 1962
		Clay	2	%	Bouyoucos 1962
		Soil Textural Class	Sand		Bouyoucos 1962

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STATE OF ILLINOIS
Pollution Control Board

Westwood Lands, Inc. v. Illinois Environmental Protection Agency

AS 09-03

(Adjusted Standard – Land)

Exhibit 3

ORIGINAL

June 8, 2010

ANALYTICAL REPORT

Job Number: 510-50390-1

Job Description: Granite City Slag

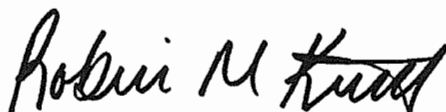
For:

United States Steel Corporation

20th State Street

Granite City, IL 62040

Attention: Mr. Carl Cannon



Approved for release.
Robin M Kintz
Project Manager I
3/24/2010 12:47 PM

Robin M Kintz

Project Manager I

robinm.kintz@testamericainc.com

03/24/2010

Revision: 1

The test results in this report meet all NELAC requirements for parameters which accreditation is required or available. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the Project Manager who signed this test report. Valparaiso IL EPA Accreditation #100432.

TestAmerica Laboratories, Inc.

TestAmerica Valparaiso 2400 Cumberland Drive, Valparaiso, IN 46383

Tel (219) 464-2389 Fax (219) 462-2953 www.testamericainc.com



Job Narrative
510-50390-1

Comments

This report has been revised to report TCLP data results only.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and duplicate (LCSD) for analytical batch 60942 exceeded control limits for Chloroethane. This analyte was biased high in the LCS and LCSD and was not detected in the associated samples; therefore, the data has been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following samples were re-extracted due to low spike recovery in the LCS: (510-50389-1 MS), (510-50389-1 MSD), (LCS 510-60892/2-A), (MB 510-60892/1-A), C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2), LMF SLAG #1 (510-50390-3), LMF SLAG #2 (510-50390-4), WL-01 (510-50389-1).

Method(s) 8270C: Surrogate recovery for the following samples was outside control limits: (510-50389-1 MS), (510-50389-1 MSD), C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), LMF SLAG #1 (510-50390-3), WL-01 (510-50389-1). Evidence of matrix interference is present; the samples were re-extracted and re-analyzed with concurring results. The re-extracted samples are reported.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The following samples required multiple sulfuric acid clean-ups to reduce matrix interferences: C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2), LMF SLAG #1 (510-50390-3), LMF SLAG #2 (510-50390-4), WL-01 (510-50389-1).

Method(s) 8082: The following samples required multiple mercury clean-ups to reduce matrix interferences caused by sulfur: C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2), LMF SLAG #1 (510-50390-3), LMF SLAG #2 (510-50390-4), WL-01 (510-50389-1).

Method(s) 8082: The following sample was diluted due to the abundance of non-target analytes: DESULF SLAG #1 (510-50390-1). Elevated reporting limits (RLs) are provided. Dilution was necessary to facilitate the removal of sulfur from this sample.

Method(s) 8082: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: DESULF SLAG #1 (510-50390-1).

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The leachate blank for batch 60947 contained barium at a level which is above the method detection limit but below the hazardous waste limit. The affected samples do not require a redigestion or reanalysis due to the level being below the reporting limit. The data is acceptable. C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2)

Method(s) 6020: The method blank for batch 60944 contained potassium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2)

Method(s) 6020: The method blank for batch 60944 contained potassium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), LMF SLAG #1 (510-50390-3), LMF SLAG #2 (510-50390-4)

Method(s) 6020: The method blank for batch 60992 contained Selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. Also the method blank contained manganese above the reporting limit; however, the sample concentration was greater than 10x the concentration in the blank. C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2), LMF SLAG #1 (510-50390-3), LMF SLAG #2 (510-50390-4)

Method(s) 6020: The continuing calibration blank for preparation batch 60992 contained Manganese above the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the blank; therefore,

re-extraction and/or re-analysis of samples was not performed. C FINES #1 (510-50390-5), C FINES #2 (510-50390-6), DESULF SLAG #1 (510-50390-1), DESULF SLAG #2 (510-50390-2), LMF SLAG #1 (510-50390-3), LMF SLAG #2 (510-50390-4)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method(s) 3541: 8081 Sample C FINES #1 (510-50390-5) was diluted prior to the GPC cleanup. The value for the final volume was adjusted to account for the dilution. Reporting limits will be affected accordingly.

No other analytical or quality issues were noted.

Subcontract Work

Method(s) Slag Physical Testing: The sample has been subcontracted to A&L Great Lakes Laboratories, Inc. the subcontract certifications are different from those listed on the TestAmerica cover page of this final report.

EXECUTIVE SUMMARY - Detections

Client: United States Steel Corporation

Job Number: 510-50390-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
510-50390-1 <i>TCLP</i> Barium	DESULF SLAG #1	0.13	B	0.10	mg/L	6010B
510-50390-2 <i>TCLP</i> Barium Chromium	DESULF SLAG #2	0.21 0.019	B J	0.10 0.10	mg/L mg/L	6010B 6010B
510-50390-3 <i>TCLP</i> Barium Chromium	LMF SLAG #1	0.11 0.034	B J B	0.10 0.10	mg/L mg/L	6010B 6010B
510-50390-4 <i>TCLP</i> Barium Chromium	LMF SLAG #2	0.20 0.022	B J B	0.10 0.10	mg/L mg/L	6010B 6010B
510-50390-5 <i>TCLP</i> Barium Chromium	C FINES #1	0.30 0.021	B J	0.10 0.10	mg/L mg/L	6010B 6010B
510-50390-6 <i>TCLP</i> Barium Chromium	C FINES #2	0.38 0.024	B J	0.10 0.10	mg/L mg/L	6010B 6010B

METHOD SUMMARY

Client: United States Steel Corporation

Job Number: 510-50390-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL VAL	SW846 8260B	
TCLP Extraction	TAL VAL		SW846 1311
Purge and Trap	TAL VAL		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL VAL	SW846 8270C	
TCLP Extraction	TAL VAL		SW846 1311
Liquid-Liquid Extraction (Separatory Funnel)	TAL VAL		SW846 3510C
Organochlorine Pesticides (GC)	TAL CHI	SW846 8081A	
TCLP Extraction	TAL CHI		SW846 1311
Liquid-Liquid Extraction (Separatory Funnel)	TAL CHI		SW846 3510C
Herbicides (GC)	TAL CHI	SW846 8151A	
TCLP Extraction	TAL CHI		SW846 1311
Extraction (Herbicides)	TAL CHI		SW846 8151A
Metals (ICP)	TAL VAL	SW846 6010B	
TCLP Extraction	TAL VAL		SW846 1311
Preparation, Total Metals	TAL VAL		SW846 3010A
Mercury (CVAA)	TAL VAL	SW846 7470A	
TCLP Extraction	TAL VAL		SW846 1311
Preparation, Mercury	TAL VAL		SW846 7470A

Lab References:

TAL CHI = TestAmerica Chicago

TAL VAL = TestAmerica Valparaiso

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: United States Steel Corporation

Job Number: 510-50390-1

Method	Analyst	Analyst ID
SW846 8260B	Hall, Jennifer L	JLH
SW846 8270C	Squires, William D	WDS
SW846 8081A	Mroz, Krzysztof A	KAM
SW846 8151A	Mroz, Krzysztof A	KAM
SW846 6010B	Tharpe, Matt	MT
SW846 6010B	Thomas, Deidra	DT
SW846 7470A	Thomas, Deidra	DT

SAMPLE SUMMARY

Client: United States Steel Corporation

Job Number: 510-50390-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-50390-1	DESULF SLAG #1	Solid	03/11/2010 0945	03/13/2010 1055
510-50390-2	DESULF SLAG #2	Solid	03/11/2010 0957	03/13/2010 1055
510-50390-3	LMF SLAG #1	Solid	03/11/2010 1015	03/13/2010 1055
510-50390-4	LMF SLAG #2	Solid	03/12/2010 0820	03/13/2010 1055
510-50390-5	C FINES #1	Solid	03/11/2010 1030	03/13/2010 1055
510-50390-6	C FINES #2	Solid	03/11/2010 1040	03/13/2010 1055

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #1

Lab Sample ID: 510-50390-1

Date Sampled: 03/11/2010 0945

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch:	510-60825	Instrument ID:	VMSB
Preparation:	5030B			Lab File ID:	A6852.D
Dilution:	10	Leachate Batch:	510-60831	Initial Weight/Volume:	5 mL
Date Analyzed:	03/16/2010 1853	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	03/16/2010 1853				
Date Leached:	03/15/2010 1640				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Benzene		<0.0023		0.0023	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		81 - 126
Toluene-d8 (Surr)	101		89 - 108
4-Bromofluorobenzene (Surr)	117		77 - 132

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #2

Lab Sample ID: 510-50390-2

Date Sampled: 03/11/2010 0957

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch:	510-60825	Instrument ID:	VMSB
Preparation:	5030B			Lab File ID:	A6853.D
Dilution:	10	Leachate Batch:	510-60831	Initial Weight/Volume:	5 mL
Date Analyzed:	03/16/2010 1926	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	03/16/2010 1926				
Date Leached:	03/15/2010 1640				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Benzene		<0.0023		0.0023	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		81 - 126
Toluene-d8 (Surr)	100		89 - 108
4-Bromofluorobenzene (Surr)	117		77 - 132

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #1

Lab Sample ID: 510-50390-3

Date Sampled: 03/11/2010 1015

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch:	510-60825	Instrument ID:	VMSB
Preparation:	5030B			Lab File ID:	A6854.D
Dilution:	10	Leachate Batch:	510-60831	Initial Weight/Volume:	5 mL
Date Analyzed:	03/16/2010 2000	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	03/16/2010 2000				
Date Leached:	03/15/2010 1640				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Benzene		<0.0023		0.0023	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		81 - 126
Toluene-d8 (Surr)	101		89 - 108
4-Bromofluorobenzene (Surr)	112		77 - 132

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #2

Lab Sample ID: 510-50390-4
Client Matrix: Solid

Date Sampled: 03/12/2010 0820
Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 510-60825	Instrument ID: VMSB
Preparation:	5030B		Lab File ID: A6855.D
Dilution:	10	Leachate Batch: 510-60831	Initial Weight/Volume: 5 mL
Date Analyzed:	03/16/2010 2033	Run Type: DL	Final Weight/Volume: 5 mL
Date Prepared:	03/16/2010 2033		
Date Leached:	03/15/2010 1640		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Benzene		<0.0023		0.0023	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		81 - 126
Toluene-d8 (Surr)	101		89 - 108
4-Bromofluorobenzene (Surr)	111		77 - 132

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #1

Lab Sample ID: 510-50390-5

Date Sampled: 03/11/2010 1030

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch: 510-61075	Instrument ID:	VMSA
Preparation:	5030B		Lab File ID:	E8821.D
Dilution:	10	Leachate Batch: 510-60882	Initial Weight/Volume:	5 mL
Date Analyzed:	03/22/2010 1412		Final Weight/Volume:	5 mL
Date Prepared:	03/22/2010 1412			
Date Leached:	03/16/2010 1517			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Benzene		<0.0023		0.0023	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		81 - 126
Toluene-d8 (Surr)	100		89 - 108
4-Bromofluorobenzene (Surr)	101		77 - 132

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #2

Lab Sample ID: 510-50390-6

Date Sampled: 03/11/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8260B Volatile Organic Compounds (GC/MS)-TCLP

Method:	8260B	Analysis Batch:	510-61075	Instrument ID:	VMSA
Preparation:	5030B			Lab File ID:	E8822.D
Dilution:	10	Leachate Batch:	510-60882	Initial Weight/Volume:	5 mL
Date Analyzed:	03/22/2010 1444			Final Weight/Volume:	5 mL
Date Prepared:	03/22/2010 1444				
Date Leached:	03/16/2010 1517				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Carbon tetrachloride		<0.0050		0.0050	0.050
Chlorobenzene		<0.0050		0.0050	0.050
Benzene		<0.0023		0.0023	0.050
Chloroform		<0.0054		0.0054	0.050
2-Butanone (MEK)		<0.023		0.023	0.10
Tetrachloroethene		<0.0024		0.0024	0.050
Trichloroethene		<0.0050		0.0050	0.050
Vinyl chloride		<0.0050		0.0050	0.020
1,1-Dichloroethene		<0.0078		0.0078	0.050
1,2-Dichloroethane		<0.0050		0.0050	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		81 - 126
Toluene-d8 (Surr)	99		89 - 108
4-Bromofluorobenzene (Surr)	101		77 - 132

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #1

Lab Sample ID: 510-50390-1

Date Sampled: 03/11/2010 0945

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2649.D
Dilution:	1.0	Leachate Batch: 510-60788	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 1832		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	56		10 - 129
2-Fluorophenol	37		10 - 87
Nitrobenzene-d5	52		10 - 135
Phenol-d5	29		10 - 69
2,4,6-Tribromophenol	50		10 - 168

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #2

Lab Sample ID: 510-50390-2

Date Sampled: 03/11/2010 0957

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2650.D
Dilution:	1.0	Leachate Batch: 510-60788	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 1853		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		10 - 129
2-Fluorophenol	41		10 - 87
Nitrobenzene-d5	57		10 - 135
Phenol-d5	33		10 - 69
2,4,6-Tribromophenol	52		10 - 168

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #1

Lab Sample ID: 510-50390-3

Date Sampled: 03/11/2010 1015

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2651.D
Dilution:	1.0	Leachate Batch: 510-60788	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 1914		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		10 - 129
2-Fluorophenol	43		10 - 87
Nitrobenzene-d5	69		10 - 135
Phenol-d5	29		10 - 69
2,4,6-Tribromophenol	48		10 - 168

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #2

Lab Sample ID: 510-50390-4

Date Sampled: 03/12/2010 0820

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch:	510-60898	Instrument ID:	SMSA
Preparation:	3510C	Prep Batch:	510-60848	Lab File ID:	D2652.D
Dilution:	1.0	Leachate Batch:	510-60788	Initial Weight/Volume:	100 mL
Date Analyzed:	03/17/2010 1936			Final Weight/Volume:	1 mL
Date Prepared:	03/16/2010 1153			Injection Volume:	1 uL
Date Leached:	03/14/2010 1645				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	67		10 - 129
2-Fluorophenol	42		10 - 87
Nitrobenzene-d5	68		10 - 135
Phenol-d5	30		10 - 69
2,4,6-Tribromophenol	56		10 - 168

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #1

Lab Sample ID: 510-50390-5

Date Sampled: 03/11/2010 1030

Client Matrix: Solid

Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2653.D
Dilution:	1.0	Leachate Batch: 510-60788	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 1957		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	62		10 - 129
2-Fluorophenol	38		10 - 87
Nitrobenzene-d5	60		10 - 135
Phenol-d5	27		10 - 69
2,4,6-Tribromophenol	50		10 - 168

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #2

Lab Sample ID: 510-50390-6
Client Matrix: Solid

Date Sampled: 03/11/2010 1040
Date Received: 03/13/2010 1055

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 510-60898	Instrument ID: SMSA
Preparation:	3510C	Prep Batch: 510-60848	Lab File ID: D2654.D
Dilution:	1.0	Leachate Batch: 510-60788	Initial Weight/Volume: 100 mL
Date Analyzed:	03/17/2010 2018		Final Weight/Volume: 1 mL
Date Prepared:	03/16/2010 1153		Injection Volume: 1 uL
Date Leached:	03/14/2010 1645		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene		<0.019		0.019	0.10
2,4-Dinitrotoluene		<0.0073		0.0073	0.10
Hexachlorobenzene		<0.0096		0.0096	0.10
Hexachlorobutadiene		<0.024		0.024	0.10
Hexachloroethane		<0.020		0.020	0.10
Nitrobenzene		<0.0080		0.0080	0.10
Pyridine		<0.0070		0.0070	0.20
2-Methylphenol		<0.0084		0.0084	0.10
3 & 4 Methylphenol		<0.0067		0.0067	0.10
Pentachlorophenol		<0.0061		0.0061	0.20
2,4,5-Trichlorophenol		<0.0086		0.0086	0.10
2,4,6-Trichlorophenol		<0.0090		0.0090	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	58		10 - 129
2-Fluorophenol	33		10 - 87
Nitrobenzene-d5	53		10 - 135
Phenol-d5	23		10 - 69
2,4,6-Tribromophenol	40		10 - 168

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #1

Lab Sample ID: 510-50390-1

Date Sampled: 03/11/2010 0945

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 1908		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		20 - 120
Tetrachloro-m-xylene	85		31 - 121

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #2

Lab Sample ID: 510-50390-2

Date Sampled: 03/11/2010 0957

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch:	500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch:	500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch:	500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 1928			Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830			Result Type:	PRIMARY
Date Leached:	03/16/2010 1430				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		20 - 120
Tetrachloro-m-xylene	72		31 - 121

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #1

Lab Sample ID: 510-50390-3

Date Sampled: 03/11/2010 1015

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 1948		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		20 - 120
Tetrachloro-m-xylene	79		31 - 121

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #2

Lab Sample ID: 510-50390-4

Date Sampled: 03/12/2010 0820

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 2008		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		20 - 120
Tetrachloro-m-xylene	83		31 - 121

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #1

Lab Sample ID: 510-50390-5

Date Sampled: 03/11/2010 1030

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 2027		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		20 - 120
Tetrachloro-m-xylene	83		31 - 121

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #2

Lab Sample ID: 510-50390-6

Date Sampled: 03/11/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8081A Organochlorine Pesticides (GC)-TCLP

Method:	8081A	Analysis Batch: 500-82492	Instrument ID:	INST15-16
Preparation:	3510C	Prep Batch: 500-82212	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10 mL
Date Analyzed:	03/22/2010 2047		Injection Volume:	1 uL
Date Prepared:	03/18/2010 0830		Result Type:	PRIMARY
Date Leached:	03/16/2010 1457			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chlordane (technical)		<0.0050		0.0050	0.010
Endrin		<0.0025		0.0025	0.0050
Heptachlor		<0.0025		0.0025	0.0050
Heptachlor epoxide		<0.0025		0.0025	0.0050
gamma-BHC (Lindane)		<0.0025		0.0025	0.0050
Methoxychlor		<0.0050		0.0050	0.010
Toxaphene		<0.025		0.025	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		20 - 120
Tetrachloro-m-xylene	84		31 - 121

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #1

Lab Sample ID: 510-50390-1

Date Sampled: 03/11/2010 0945

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 1011		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	62		42 - 120

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #2

Lab Sample ID: 510-50390-2

Date Sampled: 03/11/2010 0957

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 1032		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	64		42 - 120

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #1

Lab Sample ID: 510-50390-3

Date Sampled: 03/11/2010 1015

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 1053		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	62		42 - 120

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #2

Lab Sample ID: 510-50390-4

Date Sampled: 03/12/2010 0820

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 1114		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	60		42 - 120

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #1

Lab Sample ID: 510-50390-5

Date Sampled: 03/11/2010 1030

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 1134		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1430			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	60		42 - 120

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #2

Lab Sample ID: 510-50390-6

Date Sampled: 03/11/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

8151A Herbicides (GC)-TCLP

Method:	8151A	Analysis Batch: 500-82516	Instrument ID:	INST41-42
Preparation:	8151A	Prep Batch: 500-82388	Initial Weight/Volume:	10 mL
Dilution:	1.0	Leachate Batch: 500-82091	Final Weight/Volume:	10.0 mL
Date Analyzed:	03/23/2010 1155		Injection Volume:	1 uL
Date Prepared:	03/20/2010 1446		Result Type:	PRIMARY
Date Leached:	03/16/2010 1457			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
2,4-D		<0.050		0.050	0.10
Silvex (2,4,5-TP)		<0.025		0.025	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
DCAA	65		42 - 120

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #1

Lab Sample ID: 510-50390-1
Client Matrix: Solid

Date Sampled: 03/11/2010 0945
Date Received: 03/13/2010 1055

6010B Metals (ICP)-TCLP

Method: 6010B Analysis Batch: 510-60947 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/17/2010 1434 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Arsenic		<0.061		0.061	0.30
Barium		0.13	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		<0.0097		0.0097	0.10
Lead		<0.064		0.064	0.50
Silver		<0.38		0.38	0.40

Method: 6010B Analysis Batch: 510-61095 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/22/2010 1149 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Selenium		<0.072		0.072	0.20

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/16/2010 1548 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: DESULF SLAG #2

Lab Sample ID: 510-50390-2
Client Matrix: Solid

Date Sampled: 03/11/2010 0957
Date Received: 03/13/2010 1055

6010B Metals (ICP)-TCLP

Method: 6010B Analysis Batch: 510-60947 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/17/2010 1444 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Arsenic		<0.061		0.061	0.30
Barium		0.21	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		0.019	J	0.0097	0.10
Lead		<0.064		0.064	0.50

Method: 6010B Analysis Batch: 510-61069 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/19/2010 1817 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Silver		<0.38		0.38	0.40

Method: 6010B Analysis Batch: 510-61095 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/22/2010 1204 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Selenium		<0.072		0.072	0.20

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/16/2010 1550 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #1

Lab Sample ID: 510-50390-3

Date Sampled: 03/11/2010 1015

Client Matrix: Solid

Date Received: 03/13/2010 1055

6010B Metals (ICP)-TCLP

Method: 6010B Analysis Batch: 510-60903 Instrument ID: MICPC
 Preparation: 3010A Prep Batch: 510-60808 Lab File ID: P21061C
 Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1734 Final Weight/Volume: 50 mL
 Date Prepared: 03/15/2010 1420
 Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Barium		0.11	B	0.014	0.10
Chromium		0.034	J B	0.0097	0.10
Selenium		<0.072		0.072	0.20
Silver		<0.38		0.38	0.40

Method: 6010B Analysis Batch: 510-60947 Instrument ID: MICPC
 Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
 Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/17/2010 1233 Final Weight/Volume: 50 mL
 Date Prepared: 03/15/2010 1420
 Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Arsenic		<0.061		0.061	0.30
Cadmium		<0.013		0.013	0.10
Lead		<0.064		0.064	0.50

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
 Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
 Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
 Date Analyzed: 03/16/2010 1455 Final Weight/Volume: 50 mL
 Date Prepared: 03/16/2010 0945
 Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: LMF SLAG #2

Lab Sample ID: 510-50390-4

Date Sampled: 03/12/2010 0820

Client Matrix: Solid

Date Received: 03/13/2010 1055

6010B Metals (ICP)-TCLP

Method: 6010B Analysis Batch: 510-60903 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: P21061C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/16/2010 1749 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Barium		0.20	B	0.014	0.10
Chromium		0.022	J B	0.0097	0.10
Selenium		<0.072		0.072	0.20
Silver		<0.38		0.38	0.40

Method: 6010B Analysis Batch: 510-60947 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/17/2010 1248 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Arsenic		<0.061		0.061	0.30
Cadmium		<0.013		0.013	0.10
Lead		<0.064		0.064	0.50

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/16/2010 1502 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #1

Lab Sample ID: 510-50390-5

Date Sampled: 03/11/2010 1030

Client Matrix: Solid

Date Received: 03/13/2010 1055

6010B Metals (ICP)-TCLP

Method: 6010B Analysis Batch: 510-60947 Instrument ID: MICPC
Preparation: 3010A Prep Batch: 510-60808 Lab File ID: 31761C
Dilution: 10 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/17/2010 1454 Final Weight/Volume: 50 mL
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Arsenic		<0.061		0.061	0.30
Barium		0.30	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		0.021	J	0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.38		0.38	0.40

7470A Mercury (CVAA)-TCLP

Method: 7470A Analysis Batch: 510-60868 Instrument ID: MHGC
Preparation: 7470A Prep Batch: 510-60842 Lab File ID: N/A
Dilution: 1.0 Leachate Batch: 510-60785 Initial Weight/Volume: 50 mL
Date Analyzed: 03/16/2010 1555 Final Weight/Volume: 50 mL
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

Analytical Data

Client: United States Steel Corporation

Job Number: 510-50390-1

Client Sample ID: C FINES #2

Lab Sample ID: 510-50390-6

Date Sampled: 03/11/2010 1040

Client Matrix: Solid

Date Received: 03/13/2010 1055

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch:	510-60947	Instrument ID:	MICPC
Preparation:	3010A	Prep Batch:	510-60808	Lab File ID:	31761C
Dilution:	10	Leachate Batch:	510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/17/2010 1504			Final Weight/Volume:	50 mL
Date Prepared:	03/15/2010 1420				
Date Leached:	03/14/2010 1645				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDLE	RL
Arsenic		<0.061		0.061	0.30
Barium		0.38	B	0.014	0.10
Cadmium		<0.013		0.013	0.10
Chromium		0.024	J	0.0097	0.10
Lead		<0.064		0.064	0.50
Selenium		<0.072		0.072	0.20
Silver		<0.38		0.38	0.40

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch:	510-60868	Instrument ID:	MHGC
Preparation:	7470A	Prep Batch:	510-60842	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch:	510-60785	Initial Weight/Volume:	50 mL
Date Analyzed:	03/16/2010 1559			Final Weight/Volume:	50 mL
Date Prepared:	03/16/2010 0945				
Date Leached:	03/14/2010 1645				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		<0.000057		0.000057	0.0010

DATA REPORTING QUALIFIERS

Client: United States Steel Corporation

Job Number: 510-50390-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:510-60825					
LCS 510-60825/3	Lab Control Sample	T	Water	8260B	
LCSD 510-60825/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 510-60825/6	Method Blank	T	Water	8260B	
510-50390-1DL	DESULF SLAG #1	P	Solid	8260B	
510-50390-2DL	DESULF SLAG #2	P	Solid	8260B	
510-50390-3DL	LMF SLAG #1	P	Solid	8260B	
510-50390-4DL	LMF SLAG #2	P	Solid	8260B	
Prep Batch: 510-60831					
510-50390-1DL	DESULF SLAG #1	P	Solid	1311	
510-50390-2DL	DESULF SLAG #2	P	Solid	1311	
510-50390-3DL	LMF SLAG #1	P	Solid	1311	
510-50390-4DL	LMF SLAG #2	P	Solid	1311	
Prep Batch: 510-60882					
510-50390-5	C FINES #1	P	Solid	1311	
510-50390-6	C FINES #2	P	Solid	1311	
Analysis Batch:510-61075					
LCS 510-61075/3	Lab Control Sample	T	Water	8260B	
LCSD 510-61075/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 510-61075/6	Method Blank	T	Water	8260B	
510-50390-5	C FINES #1	P	Solid	8260B	
510-50390-6	C FINES #2	P	Solid	8260B	

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 510-60788					
510-50390-1	DESULF SLAG #1	P	Solid	1311	
510-50390-2	DESULF SLAG #2	P	Solid	1311	
510-50390-3	LMF SLAG #1	P	Solid	1311	
510-50390-4	LMF SLAG #2	P	Solid	1311	
510-50390-5	C FINES #1	P	Solid	1311	
510-50390-6	C FINES #2	P	Solid	1311	
Prep Batch: 510-60848					
LCS 510-60848/2-A	Lab Control Sample	T	Water	3510C	
LCSD 510-60848/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 510-60848/1-A	Method Blank	T	Water	3510C	
510-50390-1	DESULF SLAG #1	P	Solid	3510C	510-60788
510-50390-2	DESULF SLAG #2	P	Solid	3510C	510-60788
510-50390-3	LMF SLAG #1	P	Solid	3510C	510-60788
510-50390-4	LMF SLAG #2	P	Solid	3510C	510-60788
510-50390-5	C FINES #1	P	Solid	3510C	510-60788
510-50390-6	C FINES #2	P	Solid	3510C	510-60788
Analysis Batch:510-60898					
LCS 510-60848/2-A	Lab Control Sample	T	Water	8270C	510-60848
LCSD 510-60848/3-A	Lab Control Sample Duplicate	T	Water	8270C	510-60848
MB 510-60848/1-A	Method Blank	T	Water	8270C	510-60848
510-50390-1	DESULF SLAG #1	P	Solid	8270C	510-60848
510-50390-2	DESULF SLAG #2	P	Solid	8270C	510-60848
510-50390-3	LMF SLAG #1	P	Solid	8270C	510-60848
510-50390-4	LMF SLAG #2	P	Solid	8270C	510-60848
510-50390-5	C FINES #1	P	Solid	8270C	510-60848
510-50390-6	C FINES #2	P	Solid	8270C	510-60848

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC Semi VOA					
Prep Batch: 500-82091					
LB 500-82091/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 500-82091/1-F	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB2 500-82091/2-C	TCLP SPLPW Leachate Blank	P	Solid	1311	
LB2 500-82091/2-F	TCLP SPLPW Leachate Blank	P	Solid	1311	
510-50390-1	DESULF SLAG #1	P	Solid	1311	
510-50390-2	DESULF SLAG #2	P	Solid	1311	
510-50390-3	LMF SLAG #1	P	Solid	1311	
510-50390-4	LMF SLAG #2	P	Solid	1311	
510-50390-5	C FINES #1	P	Solid	1311	
510-50390-6	C FINES #2	P	Solid	1311	
Prep Batch: 500-82212					
LCS 500-82212/2-A	Lab Control Sample	T	Water	3510C	
LCS 500-82212/3-A	Lab Control Sample	T	Water	3510C	
MB 500-82212/1-A	Method Blank	T	Water	3510C	
LB 500-82091/1-C	TCLP SPLPE Leachate Blank	P	Solid	3510C	500-82091
LB2 500-82091/2-C	TCLP SPLPW Leachate Blank	P	Solid	3510C	500-82091
510-50390-1	DESULF SLAG #1	P	Solid	3510C	500-82091
510-50390-2	DESULF SLAG #2	P	Solid	3510C	500-82091
510-50390-3	LMF SLAG #1	P	Solid	3510C	500-82091
510-50390-4	LMF SLAG #2	P	Solid	3510C	500-82091
510-50390-5	C FINES #1	P	Solid	3510C	500-82091
510-50390-6	C FINES #2	P	Solid	3510C	500-82091
Prep Batch: 500-82388					
LCS 500-82388/2-A	Lab Control Sample	T	Water	8151A	
MB 500-82388/1-A	Method Blank	T	Water	8151A	
LB 500-82091/1-F	TCLP SPLPE Leachate Blank	P	Solid	8151A	500-82091
LB2 500-82091/2-F	TCLP SPLPW Leachate Blank	P	Solid	8151A	500-82091
510-50390-1	DESULF SLAG #1	P	Solid	8151A	500-82091
510-50390-2	DESULF SLAG #2	P	Solid	8151A	500-82091
510-50390-3	LMF SLAG #1	P	Solid	8151A	500-82091
510-50390-4	LMF SLAG #2	P	Solid	8151A	500-82091
510-50390-5	C FINES #1	P	Solid	8151A	500-82091
510-50390-6	C FINES #2	P	Solid	8151A	500-82091

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:500-82492					
LB 500-82091/1-C	TCLP SPLPE Leachate Blank	P	Solid	8081A	500-82212
LB2 500-82091/2-C	TCLP SPLPW Leachate Blank	P	Solid	8081A	500-82212
LCS 500-82212/2-A	Lab Control Sample	T	Water	8081A	500-82212
LCS 500-82212/3-A	Lab Control Sample	T	Water	8081A	500-82212
MB 500-82212/1-A	Method Blank	T	Water	8081A	500-82212
510-50390-1	DESULF SLAG #1	P	Solid	8081A	500-82212
510-50390-2	DESULF SLAG #2	P	Solid	8081A	500-82212
510-50390-3	LMF SLAG #1	P	Solid	8081A	500-82212
510-50390-4	LMF SLAG #2	P	Solid	8081A	500-82212
510-50390-5	C FINES #1	P	Solid	8081A	500-82212
510-50390-6	C FINES #2	P	Solid	8081A	500-82212
Analysis Batch:500-82516					
LB 500-82091/1-F	TCLP SPLPE Leachate Blank	P	Solid	8151A	500-82388
LB2 500-82091/2-F	TCLP SPLPW Leachate Blank	P	Solid	8151A	500-82388
LCS 500-82388/2-A	Lab Control Sample	T	Water	8151A	500-82388
MB 500-82388/1-A	Method Blank	T	Water	8151A	500-82388
510-50390-1	DESULF SLAG #1	P	Solid	8151A	500-82388
510-50390-2	DESULF SLAG #2	P	Solid	8151A	500-82388
510-50390-3	LMF SLAG #1	P	Solid	8151A	500-82388
510-50390-4	LMF SLAG #2	P	Solid	8151A	500-82388
510-50390-5	C FINES #1	P	Solid	8151A	500-82388
510-50390-6	C FINES #2	P	Solid	8151A	500-82388

Report Basis

P = TCLP

T = Total

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 510-60785					
LB 510-60785/1-B ^10	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 510-60785/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 510-60785/4-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
510-50390-1	DESULF SLAG #1	P	Solid	1311	
510-50390-1MS	Matrix Spike	P	Solid	1311	
510-50390-2	DESULF SLAG #2	P	Solid	1311	
510-50390-2MS	Matrix Spike	P	Solid	1311	
510-50390-3	LMF SLAG #1	P	Solid	1311	
510-50390-3MS	Matrix Spike	P	Solid	1311	
510-50390-3MSD	Matrix Spike Duplicate	P	Solid	1311	
510-50390-4	LMF SLAG #2	P	Solid	1311	
510-50390-4MS	Matrix Spike	P	Solid	1311	
510-50390-5	C FINES #1	P	Solid	1311	
510-50390-5MS	Matrix Spike	P	Solid	1311	
510-50390-6	C FINES #2	P	Solid	1311	
510-50390-6MS	Matrix Spike	P	Solid	1311	
Prep Batch: 510-60808					
LCS 510-60808/2-A	Lab Control Sample	T	Water	3010A	
MB 510-60808/1-A	Method Blank	T	Water	3010A	
LB 510-60785/1-B ^10	TCLP SPLPE Leachate Blank	P	Solid	3010A	510-60785
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	3010A	510-60785
510-50390-1	DESULF SLAG #1	P	Solid	3010A	510-60785
510-50390-1MS	Matrix Spike	P	Solid	3010A	510-60785
510-50390-2	DESULF SLAG #2	P	Solid	3010A	510-60785
510-50390-2MS	Matrix Spike	P	Solid	3010A	510-60785
510-50390-3	LMF SLAG #1	P	Solid	3010A	510-60785
510-50390-3MS	Matrix Spike	P	Solid	3010A	510-60785
510-50390-3MSD	Matrix Spike Duplicate	P	Solid	3010A	510-60785
510-50390-4	LMF SLAG #2	P	Solid	3010A	510-60785
510-50390-4MS	Matrix Spike	P	Solid	3010A	510-60785
510-50390-5	C FINES #1	P	Solid	3010A	510-60785
510-50390-6	C FINES #2	P	Solid	3010A	510-60785
510-50390-6MS	Matrix Spike	P	Solid	3010A	510-60785

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 510-60842					
LCS 510-60842/2-A	Lab Control Sample	T	Water	7470A	
MB 510-60842/1-A	Method Blank	T	Water	7470A	
LB 510-60785/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60785
LB 510-60785/4-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60785
510-50390-1	DESULF SLAG #1	P	Solid	7470A	510-60785
510-50390-1MS	Matrix Spike	P	Solid	7470A	510-60785
510-50390-2	DESULF SLAG #2	P	Solid	7470A	510-60785
510-50390-2MS	Matrix Spike	P	Solid	7470A	510-60785
510-50390-3	LMF SLAG #1	P	Solid	7470A	510-60785
510-50390-3MS	Matrix Spike	P	Solid	7470A	510-60785
510-50390-3MSD	Matrix Spike Duplicate	P	Solid	7470A	510-60785
510-50390-4	LMF SLAG #2	P	Solid	7470A	510-60785
510-50390-5	C FINES #1	P	Solid	7470A	510-60785
510-50390-5MS	Matrix Spike	P	Solid	7470A	510-60785
510-50390-6	C FINES #2	P	Solid	7470A	510-60785
Analysis Batch:510-60868					
LB 510-60785/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60842
LB 510-60785/4-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	510-60842
LCS 510-60842/2-A	Lab Control Sample	T	Water	7470A	510-60842
MB 510-60842/1-A	Method Blank	T	Water	7470A	510-60842
510-50390-1	DESULF SLAG #1	P	Solid	7470A	510-60842
510-50390-1MS	Matrix Spike	P	Solid	7470A	510-60842
510-50390-2	DESULF SLAG #2	P	Solid	7470A	510-60842
510-50390-2MS	Matrix Spike	P	Solid	7470A	510-60842
510-50390-3	LMF SLAG #1	P	Solid	7470A	510-60842
510-50390-3MS	Matrix Spike	P	Solid	7470A	510-60842
510-50390-3MSD	Matrix Spike Duplicate	P	Solid	7470A	510-60842
510-50390-4	LMF SLAG #2	P	Solid	7470A	510-60842
510-50390-5	C FINES #1	P	Solid	7470A	510-60842
510-50390-5MS	Matrix Spike	P	Solid	7470A	510-60842
510-50390-6	C FINES #2	P	Solid	7470A	510-60842
Analysis Batch:510-60903					
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60808
LCS 510-60808/2-A	Lab Control Sample	T	Water	6010B	510-60808
MB 510-60808/1-A	Method Blank	T	Water	6010B	510-60808
510-50390-3	LMF SLAG #1	P	Solid	6010B	510-60808
510-50390-3MSD	Matrix Spike Duplicate	P	Solid	6010B	510-60808
510-50390-4	LMF SLAG #2	P	Solid	6010B	510-60808

TestAmerica Valparaiso

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:510-60947					
LB 510-60785/1-B ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60808
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60808
LCS 510-60808/2-A	Lab Control Sample	T	Water	6010B	510-60808
MB 510-60808/1-A	Method Blank	T	Water	6010B	510-60808
510-50390-1	DESULF SLAG #1	P	Solid	6010B	510-60808
510-50390-1MS	Matrix Spike	P	Solid	6010B	510-60808
510-50390-2	DESULF SLAG #2	P	Solid	6010B	510-60808
510-50390-2MS	Matrix Spike	P	Solid	6010B	510-60808
510-50390-3	LMF SLAG #1	P	Solid	6010B	510-60808
510-50390-3MS	Matrix Spike	P	Solid	6010B	510-60808
510-50390-3MSD	Matrix Spike Duplicate	P	Solid	6010B	510-60808
510-50390-4	LMF SLAG #2	P	Solid	6010B	510-60808
510-50390-4MS	Matrix Spike	P	Solid	6010B	510-60808
510-50390-5	C FINES #1	P	Solid	6010B	510-60808
510-50390-6	C FINES #2	P	Solid	6010B	510-60808
510-50390-6MS	Matrix Spike	P	Solid	6010B	510-60808
Analysis Batch:510-61069					
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60808
LCS 510-60808/2-A	Lab Control Sample	T	Water	6010B	510-60808
MB 510-60808/1-A	Method Blank	T	Water	6010B	510-60808
510-50390-2	DESULF SLAG #2	P	Solid	6010B	510-60808
510-50390-2MS	Matrix Spike	P	Solid	6010B	510-60808
Analysis Batch:510-61095					
LB 510-60785/4-B ^10	TCLP SPLPE Leachate Blank	P	Solid	6010B	510-60808
LCS 510-60808/2-A	Lab Control Sample	T	Water	6010B	510-60808
MB 510-60808/1-A	Method Blank	T	Water	6010B	510-60808
510-50390-1	DESULF SLAG #1	P	Solid	6010B	510-60808
510-50390-1MS	Matrix Spike	P	Solid	6010B	510-60808
510-50390-2	DESULF SLAG #2	P	Solid	6010B	510-60808

Report Basis

P = TCLP

T = Total

Client: United States Steel Corporation

Job Number: 510-50390-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-50390-1 DL	DESULF SLAG #1 DL	100	101	117
510-50390-2 DL	DESULF SLAG #2 DL	101	100	117
510-50390-3 DL	LMF SLAG #1 DL	103	101	112
510-50390-4 DL	LMF SLAG #2 DL	101	101	111
510-50390-5	C FINES #1	102	100	101
510-50390-6	C FINES #2	104	99	101
MB 510-60825/6		105	98	115
MB 510-61075/6		102	99	102
LCS 510-60825/3		97	99	114
LCS 510-61075/3		98	102	99
LCSD 510-60825/4		97	100	109
LCSD 510-61075/4		99	101	100

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	81-126
TOL = Toluene-d8 (Surr)	89-108
BFB = 4-Bromofluorobenzene (Surr)	77-132

Client: United States Steel Corporation

Job Number: 510-50390-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TBP %Rec
510-50390-1	DESULF SLAG #1	56	37	52	29	50
510-50390-2	DESULF SLAG #2	60	41	57	33	52
510-50390-3	LMF SLAG #1	71	43	69	29	48
510-50390-4	LMF SLAG #2	67	42	68	30	56
510-50390-5	C FINES #1	62	38	60	27	50
510-50390-6	C FINES #2	58	33	53	23	40
MB 510-60848/1-A		66	45	68	33	45
LCS 510-60848/2-A		72	45	60	32	61
LCSD 510-60848/3-A		69	42	58	31	63

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	10-129
2FP = 2-Fluorophenol	10-87
NBZ = Nitrobenzene-d5	10-135
PHL = Phenol-d5	10-69
TBP = 2,4,6-Tribromophenol	10-168

Client: United States Steel Corporation

Job Number: 510-50390-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
510-50390-1	DESULF SLAG #1	101	85
510-50390-2	DESULF SLAG #2	100	72
510-50390-3	LMF SLAG #1	95	79
510-50390-4	LMF SLAG #2	100	83
510-50390-5	C FINES #1	104	83
510-50390-6	C FINES #2	101	84
MB 500-82212/1-A		103	82
LB 500-82091/1-C		99	78
LB2 500-82091/2-C		93	76
LCS 500-82212/2-A		84	80
LCS 500-82212/3-A		103	73

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	20-120
TCX = Tetrachloro-m-xylene	31-121

Client: United States Steel Corporation

Job Number: 510-50390-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCPA2 %Rec
510-50390-1	DESULF SLAG #1	62
510-50390-2	DESULF SLAG #2	64
510-50390-3	LMF SLAG #1	62
510-50390-4	LMF SLAG #2	60
510-50390-5	C FINES #1	60
510-50390-6	C FINES #2	65
MB 500-82388/1-A		55
LB 500-82091/1-F		57
LB2 500-82091/2-F		60
LCS 500-82388/2-A		66

Surrogate	Acceptance Limits
DCPA = DCAA	42-120

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 510-60825

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 510-60825/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1213
Date Prepared: 03/16/2010 1213

Analysis Batch: 510-60825
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6840.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Carbon tetrachloride	<0.00050		0.00050	0.0050
Chlorobenzene	<0.00050		0.00050	0.0050
Benzene	<0.00023		0.00023	0.0050
Chloroform	<0.00054		0.00054	0.0050
2-Butanone (MEK)	<0.0023		0.0023	0.010
Tetrachloroethene	<0.00024		0.00024	0.0050
Trichloroethene	<0.00050		0.00050	0.0050
Vinyl chloride	<0.00050		0.00050	0.0020
1,1-Dichloroethene	<0.00078		0.00078	0.0050
1,2-Dichloroethane	<0.00050		0.00050	0.0050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	81 - 126
Toluene-d8 (Surr)	98	89 - 108
4-Bromofluorobenzene (Surr)	115	77 - 132

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-60825**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 510-60825/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1028
Date Prepared: 03/16/2010 1028

Analysis Batch: 510-60825
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6837.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 510-60825/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1101
Date Prepared: 03/16/2010 1101

Analysis Batch: 510-60825
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6838.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Carbon tetrachloride	101	98	73 - 131	3	30		
Chlorobenzene	105	95	76 - 112	10	30		
Benzene	100	96	78 - 117	4	30		
Chloroform	102	97	78 - 125	5	30		
2-Butanone (MEK)	91	80	32 - 182	13	30		
Tetrachloroethene	98	94	77 - 123	4	30		
Trichloroethene	98	94	80 - 122	4	30		
Vinyl chloride	84	88	61 - 149	5	30		
1,1-Dichloroethene	102	99	56 - 158	3	30		
1,2-Dichloroethane	96	91	75 - 131	6	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	97		97		81 - 126		
Toluene-d8 (Surr)	99		100		89 - 108		
4-Bromofluorobenzene (Surr)	114		109		77 - 132		

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 510-61075

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 510-61075/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1341
Date Prepared: 03/22/2010 1341

Analysis Batch: 510-61075
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSA
Lab File ID: E8820.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Carbon tetrachloride	<0.00050		0.00050	0.0050
Chlorobenzene	<0.00050		0.00050	0.0050
Benzene	<0.00023		0.00023	0.0050
Chloroform	<0.00054		0.00054	0.0050
2-Butanone (MEK)	<0.0023		0.0023	0.010
Tetrachloroethene	<0.00024		0.00024	0.0050
Trichloroethene	<0.00050		0.00050	0.0050
Vinyl chloride	<0.00050		0.00050	0.0020
1,1-Dichloroethene	<0.00078		0.00078	0.0050
1,2-Dichloroethane	<0.00050		0.00050	0.0050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	81 - 126
Toluene-d8 (Surr)	99	89 - 108
4-Bromofluorobenzene (Surr)	102	77 - 132

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-61075**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 510-61075/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1208
Date Prepared: 03/22/2010 1208

Analysis Batch: 510-61075
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSA
Lab File ID: E8817.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 510-61075/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1239
Date Prepared: 03/22/2010 1239

Analysis Batch: 510-61075
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSA
Lab File ID: E8818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Carbon tetrachloride	118	119	73 - 131	1	30		
Chlorobenzene	104	105	76 - 112	1	30		
Benzene	105	106	78 - 117	1	30		
Chloroform	109	112	78 - 125	2	30		
2-Butanone (MEK)	111	113	32 - 182	1	30		
Tetrachloroethene	113	109	77 - 123	4	30		
Trichloroethene	108	109	80 - 122	1	30		
Vinyl chloride	102	120	61 - 149	16	30		
1,1-Dichloroethene	116	119	56 - 158	3	30		
1,2-Dichloroethane	100	103	75 - 131	3	30		
Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits				
1,2-Dichloroethane-d4 (Surr)	98	99	81 - 126				
Toluene-d8 (Surr)	102	101	89 - 108				
4-Bromofluorobenzene (Surr)	99	100	77 - 132				

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 510-60848

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 510-60848/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1605
Date Prepared: 03/16/2010 1153

Analysis Batch: 510-60898
Prep Batch: 510-60848
Units: mg/L

Instrument ID: SMSA
Lab File ID: D2642.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,4-Dichlorobenzene	<0.0019		0.0019	0.010
2,4-Dinitrotoluene	<0.00073		0.00073	0.010
Hexachlorobenzene	<0.00096		0.00096	0.010
Hexachlorobutadiene	<0.0024		0.0024	0.010
Hexachloroethane	<0.0020		0.0020	0.010
Nitrobenzene	<0.00080		0.00080	0.010
Pyridine	<0.00070		0.00070	0.020
2-Methylphenol	<0.00084		0.00084	0.010
3 & 4 Methylphenol	<0.00067		0.00067	0.010
Pentachlorophenol	<0.00061		0.00061	0.020
2,4,5-Trichlorophenol	<0.00086		0.00086	0.010
2,4,6-Trichlorophenol	<0.00090		0.00090	0.010

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	66	10 - 129
2-Fluorophenol	45	10 - 87
Nitrobenzene-d5	68	10 - 135
Phenol-d5	33	10 - 69
2,4,6-Tribromophenol	45	10 - 168

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 510-60848**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 510-60848/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1626
Date Prepared: 03/16/2010 1153

Analysis Batch: 510-60898
Prep Batch: 510-60848
Units: mg/L

Instrument ID: SMSA
Lab File ID: D2643.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 510-60848/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1647
Date Prepared: 03/16/2010 1153

Analysis Batch: 510-60898
Prep Batch: 510-60848
Units: mg/L

Instrument ID: SMSA
Lab File ID: D2644.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,4-Dichlorobenzene	53	50	36 - 88	7	25		
2,4-Dinitrotoluene	77	74	53 - 124	4	25		
Hexachlorobenzene	82	81	66 - 110	1	25		
Hexachlorobutadiene	52	50	24 - 116	3	25		
Hexachloroethane	50	47	30 - 92	8	25		
Nitrobenzene	56	55	45 - 105	2	25		
Pyridine	27	33	10 - 118	21	25	J	J
2-Methylphenol	58	58	38 - 96	0	25		
3 & 4 Methylphenol	55	56	16 - 108	2	25		
Pentachlorophenol	31	31	10 - 159	1	25	J	J
2,4,5-Trichlorophenol	68	67	27 - 111	2	25		
2,4,6-Trichlorophenol	69	64	20 - 115	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	72	69	10 - 129
2-Fluorophenol	45	42	10 - 87
Nitrobenzene-d5	60	58	10 - 135
Phenol-d5	32	31	10 - 69
2,4,6-Tribromophenol	61	63	10 - 168

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 500-82212

Method: 8081A
Preparation: 3510C

Lab Sample ID: MB 500-82212/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1432
Date Prepared: 03/18/2010 0830

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_065.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.000050		0.000050	0.00010
Endrin	<0.000025		0.000025	0.000050
Heptachlor	<0.000025		0.000025	0.000050
Heptachlor epoxide	<0.000025		0.000025	0.000050
gamma-BHC (Lindane)	<0.000025		0.000025	0.000050
Methoxychlor	<0.000050		0.000050	0.00010
Toxaphene	<0.00025		0.00025	0.00050

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	20 - 120
Tetrachloro-m-xylene	82	31 - 121

TCLP SPLPE Leachate Blank - Batch: 500-82212

Method: 8081A
Preparation: 3510C
TCLP

Lab Sample ID: LB 500-82091/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1531
Date Prepared: 03/18/2010 0830
Date Leached: 03/16/2010 1430

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_068.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.0050		0.0050	0.010
Endrin	<0.0025		0.0025	0.0050
Heptachlor	<0.0025		0.0025	0.0050
Heptachlor epoxide	<0.0025		0.0025	0.0050
gamma-BHC (Lindane)	<0.0025		0.0025	0.0050
Methoxychlor	<0.0050		0.0050	0.010
Toxaphene	<0.025		0.025	0.050

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	20 - 120
Tetrachloro-m-xylene	78	31 - 121

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

TCLP SPLPW Leachate Blank - Batch: 500-82212

Method: 8081A
Preparation: 3510C
TCLP

Lab Sample ID: LB2 500-82091/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/22/2010 1551
Date Prepared: 03/18/2010 0830
Date Leached: 03/16/2010 1430

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L
Leachate Batch: 500-82091

Instrument ID: INST15-16
Lab File ID: 03191015_069.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.0050		0.0050	0.010
Endrin	<0.0025		0.0025	0.0050
Heptachlor	<0.0025		0.0025	0.0050
Heptachlor epoxide	<0.0025		0.0025	0.0050
gamma-BHC (Lindane)	<0.0025		0.0025	0.0050
Methoxychlor	<0.0050		0.0050	0.010
Toxaphene	<0.025		0.025	0.050
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	93		20 - 120	
Tetrachloro-m-xylene	76		31 - 121	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Lab Control Sample - Batch: 500-82212

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 500-82212/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1452
Date Prepared: 03/18/2010 0830

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_066.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.000100	0.000100	100	63 - 119	
Heptachlor	0.000100	0.0000922	92	69 - 110	
Heptachlor epoxide	0.000100	0.0000942	94	73 - 110	
gamma-BHC (Lindane)	0.000100	0.0000977	98	75 - 110	
Methoxychlor	0.00100	0.000959	96	67 - 113	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		84		20 - 120	
Tetrachloro-m-xylene		80		31 - 121	

Lab Control Sample - Batch: 500-82212

Method: 8081A
Preparation: 3510C

Lab Sample ID: LCS 500-82212/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1512
Date Prepared: 03/18/2010 0830

Analysis Batch: 500-82492
Prep Batch: 500-82212
Units: mg/L

Instrument ID: INST15-16
Lab File ID: 03191015_067.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	0.0102	0.00915	89	69 - 116	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		103		20 - 120	
Tetrachloro-m-xylene		73		31 - 121	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 500-82388

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 500-82388/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2010 0540
Date Prepared: 03/20/2010 1446

Analysis Batch: 500-82516
Prep Batch: 500-82388
Units: mg/L

Instrument ID: INST41-42
Lab File ID: 03151042_204.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	<0.00050		0.00050	0.0010
Silvex (2,4,5-TP)	<0.00025		0.00025	0.00010

Surrogate	% Rec	Acceptance Limits
DCAA	55	42 - 120

TCLP SPLPE Leachate Blank - Batch: 500-82388

Method: 8151A
Preparation: 8151A
TCLP

Lab Sample ID: LB 500-82091/1-F
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2010 0622
Date Prepared: 03/20/2010 1446
Date Leached: 03/16/2010 1430

Analysis Batch: 500-82516
Prep Batch: 500-82388
Units: mg/L

Leachate Batch: 500-82091

Instrument ID: INST41-42
Lab File ID: 03151042_206.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	<0.050		0.050	0.10
Silvex (2,4,5-TP)	<0.025		0.025	0.010

Surrogate	% Rec	Acceptance Limits
DCAA	57	42 - 120

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

TCLP SPLPW Leachate Blank - Batch: 500-82388

Method: 8151A
Preparation: 8151A
TCLP

Lab Sample ID: LB2 500-82091/2-F
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/23/2010 0643
Date Prepared: 03/20/2010 1446
Date Leached: 03/16/2010 1430

Analysis Batch: 500-82516
Prep Batch: 500-82388
Units: mg/L

Leachate Batch: 500-82091

Instrument ID: INST41-42
Lab File ID: 03151042_207.d
Initial Weight/Volume: 10.0 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	<0.050		0.050	0.10
Silvex (2,4,5-TP)	<0.025		0.025	0.010

Surrogate	% Rec	Acceptance Limits
DCAA	60	42 - 120

Lab Control Sample - Batch: 500-82388

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 500-82388/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/23/2010 0601
Date Prepared: 03/20/2010 1446

Analysis Batch: 500-82516
Prep Batch: 500-82388
Units: mg/L

Instrument ID: INST41-42
Lab File ID: 03151042_205.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.00400	0.00169	42	11 - 110	
Silvex (2,4,5-TP)	0.00400	0.00290	72	39 - 110	

Surrogate	% Rec	Acceptance Limits
DCAA	66	42 - 120

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-60808/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1719
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-60903
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: P21061C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Barium	<0.0014		0.0014	0.010
Chromium	0.00222	J	0.00097	0.010
Selenium	<0.0072		0.0072	0.020
Silver	<0.038		0.038	0.040

TCLP SPLPE Leachate Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60785/4-B ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/16/2010 1800
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60903
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: P21061C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Result	Qual	MDLE	RL
Barium	0.0587	J	0.014	0.10
Chromium	<0.0097		0.0097	0.10
Selenium	<0.072		0.072	0.20
Silver	<0.38		0.38	0.40

Method Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-60808/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1217
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Arsenic	<0.0061		0.0061	0.030
Cadmium	<0.0013		0.0013	0.010
Lead	<0.0064		0.0064	0.050

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

TCLP SPLPE Leachate Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60785/1-B ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1228
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Leachate Batch: 510-60785

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Arsenic	<0.061		0.061	0.30
Cadmium	<0.013		0.013	0.10
Lead	<0.064		0.064	0.50

TCLP SPLPE Leachate Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60785/4-B ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1258
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Leachate Batch: 510-60785

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Arsenic	<0.061		0.061	0.30
Cadmium	<0.013		0.013	0.10
Lead	<0.064		0.064	0.50

Method Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-60808/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2010 1727
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-61069
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Silver	<0.038		0.038	0.040

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

TCLP SPLPE Leachate Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60785/4-B ^10

Analysis Batch: 510-61069

Instrument ID: MICPC

Client Matrix: Solid

Prep Batch: 510-60808

Lab File ID: 31761C

Dilution: 10

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 03/19/2010 1800

Final Weight/Volume: 50 mL

Date Prepared: 03/15/2010 1420

Date Leached: 03/14/2010 1645

Leachate Batch: 510-60785

Analyte	Result	Qual	MDLE	RL
Silver	<0.38		0.38	0.40

Method Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 510-60808/1-A

Analysis Batch: 510-61095

Instrument ID: MICPC

Client Matrix: Water

Prep Batch: 510-60808

Lab File ID: 31761C

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 03/22/2010 1133

Final Weight/Volume: 50 mL

Date Prepared: 03/15/2010 1420

Analyte	Result	Qual	MDLE	RL
Selenium	<0.0072		0.0072	0.020

TCLP SPLPE Leachate Blank - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 510-60785/4-B ^10

Analysis Batch: 510-61095

Instrument ID: MICPC

Client Matrix: Solid

Prep Batch: 510-60808

Lab File ID: 31761C

Dilution: 10

Units: mg/L

Initial Weight/Volume: 50 mL

Date Analyzed: 03/22/2010 1143

Final Weight/Volume: 50 mL

Date Prepared: 03/15/2010 1420

Date Leached: 03/14/2010 1645

Leachate Batch: 510-60785

Analyte	Result	Qual	MDLE	RL
Selenium	<0.072		0.072	0.20

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Lab Control Sample - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60808/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1724
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-60903
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: P21061C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	1.00	1.09	109	80 - 120	
Chromium	0.500	0.555	111	80 - 120	
Selenium	0.500	0.514	103	80 - 120	
Silver	1.00	1.08	108	80 - 120	

Lab Control Sample - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60808/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/17/2010 1222
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.500	0.484	97	80 - 120	
Cadmium	0.500	0.544	109	80 - 120	
Lead	0.500	0.545	109	80 - 120	

Lab Control Sample - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60808/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2010 1733
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-61069
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.00	1.02	102	80 - 120	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Lab Control Sample - Batch: 510-60808

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 510-60808/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/22/2010 1138
Date Prepared: 03/15/2010 1420

Analysis Batch: 510-61095
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	0.500	0.494	99	80 - 120	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50390-4
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1253
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.19	105	50 - 150	
Barium	0.24	40.0	30.7	76	50 - 150	
Cadmium	<0.013	1.00	1.16	116	50 - 150	
Chromium	0.031 J	4.00	4.33	107	50 - 150	
Lead	<0.064	4.00	4.61	115	50 - 150	
Selenium	<0.072	1.00	1.01	101	50 - 150	
Silver	<0.38	4.00	2.95	74	50 - 150	

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50390-1
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1439
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.25	106	50 - 150	
Barium	0.13	40.0	22.9	57	50 - 150	
Cadmium	<0.013	1.00	1.17	117	50 - 150	
Chromium	<0.0097	4.00	4.49	112	50 - 150	
Lead	<0.064	4.00	4.52	113	50 - 150	
Silver	<0.38	4.00	1.99	50	50 - 150	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50390-2
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1449
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.17	104	50 - 150	
Barium	0.21	40.0	27.6	69	50 - 150	
Cadmium	<0.013	1.00	1.16	116	50 - 150	
Chromium	0.019 J	4.00	4.46	111	50 - 150	
Lead	<0.064	4.00	4.66	117	50 - 150	

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50390-6
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2010 1510
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60947
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	<0.061	4.00	4.46	111	50 - 150	
Barium	0.38	40.0	34.1	84	50 - 150	
Cadmium	<0.013	1.00	1.22	122	50 - 150	
Chromium	0.024 J	4.00	4.59	114	50 - 150	
Lead	<0.064	4.00	4.93	123	50 - 150	
Selenium	<0.072	1.00	0.981	98	50 - 150	
Silver	<0.38	4.00	2.48	62	50 - 150	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50390-2
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/19/2010 1833
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-61069
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Silver	<0.38	4.00	3.21	80	50 - 150	

Matrix Spike - Batch: 510-60808

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 510-50390-1
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/22/2010 1154
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645

Analysis Batch: 510-61095
Prep Batch: 510-60808
Units: mg/L

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Selenium	<0.072	1.00	0.177	18	50 - 150	J F

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60808**

**Method: 6010B
Preparation: 3010A
TCLP**

MS Lab Sample ID: 510-50390-3 Analysis Batch: 510-60947
Client Matrix: Solid Prep Batch: 510-60808
Dilution: 10
Date Analyzed: 03/17/2010 1238
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645 Leachate Batch: 510-60785

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50390-3 Analysis Batch: 510-60947
Client Matrix: Solid Prep Batch: 510-60808
Dilution: 10
Date Analyzed: 03/17/2010 1243
Date Prepared: 03/15/2010 1420
Date Leached: 03/14/2010 1645 Leachate Batch: 510-60785

Instrument ID: MICPC
Lab File ID: 31761C
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	102	101	50 - 150	1	20		
Cadmium	114	110	50 - 150	3	20		
Lead	113	109	50 - 150	3	20		

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Method Blank - Batch: 510-60842

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 510-60842/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1444
Date Prepared: 03/16/2010 0945

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.000057		0.000057	0.0010

TCLP SPLPE Leachate Blank - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 510-60785/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1452
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L
Leachate Batch: 510-60785

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.000057		0.000057	0.0010

TCLP SPLPE Leachate Blank - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 510-60785/4-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1507
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L
Leachate Batch: 510-60785

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.000057		0.000057	0.0010

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Lab Control Sample - Batch: 510-60842

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 510-60842/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/16/2010 1450
Date Prepared: 03/16/2010 0945

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00504	101	80 - 120	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50390-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1546
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00487	97	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50390-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1553
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00499	100	50 - 150	

Matrix Spike - Batch: 510-60842

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: 510-50390-5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1557
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842
Units: mg/L

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 510-60785

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	<0.000057	0.00500	0.00518	104	50 - 150	

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

Quality Control Results

Client: United States Steel Corporation

Job Number: 510-50390-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-60842**

**Method: 7470A
Preparation: 7470A
TCLP**

MS Lab Sample ID: 510-50390-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1457
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842

Leachate Batch: 510-60785

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-50390-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/16/2010 1459
Date Prepared: 03/16/2010 0945
Date Leached: 03/14/2010 1645

Analysis Batch: 510-60868
Prep Batch: 510-60842

Leachate Batch: 510-60785

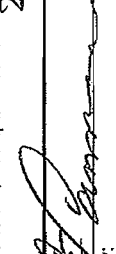

Instrument ID: MHGC
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	105	104	50 - 150	1	20		

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

Chain of Custody Record

<p>Client Contact USS Granite City</p>	<p>Project Manager: Robin Kintz Tell/Fax: 219-465-4563/219-462-2953</p>	<p>Site Contact: Carl Cannon</p>	<p>Date: 3/11/10</p>
<p>Project Manager: Robin Kintz Tell/Fax: 219-465-4563/219-462-2953</p>	<p>Lab Contact:</p>	<p>Carrier No.:</p>	<p>COC No.:</p>
<p>Analysis Turnaround Time <input type="checkbox"/> Standard <input type="checkbox"/> Rush Charges Authorized for _____</p>	<p>Sample Date</p>	<p>Sample Time</p>	<p>Sample Type</p>
<p>Sample Identification</p>	<p>Matrix</p>	<p># of Cont.</p>	<p>Special Instructions/Note:</p>
<p>DESULF SLAG #1</p>	S	3	
DESULF SLAG #2	S	3	
LIME SLAG #1	S	3	
LIME SLAG #2	S	3	
OPINES #1	S	4	
OPINES #2	S	3	

<p>Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____</p>	<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input checked="" type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p>
<p>Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown</p>	<p>Special Instructions/QC Requirements: 2.2°C, 510-46-131, Custody Seal = 487885 3.9°C, 510-46-016, Custody Seal = Missing / unreadable</p>
<p>Relinquished by: </p>	<p>Received by: </p>
<p>Relinquished by: Company: USS/GCW</p>	<p>Received by: Company: TestAmerica</p>
<p>Relinquished by: Date/Time: 3-12-10 13:00</p>	<p>Received by: Date/Time: 3/13/10 10:55 AM</p>
<p>Relinquished by: Date/Time: _____</p>	<p>Received by: Date/Time: _____</p>

Comments: Field Performed Saturday 8712 5602 4294, Custody Seal = 487885, Bullman

Login Sample Receipt Check List

Client: United States Steel Corporation

Job Number: 510-50390-1

Login Number: 50390
Creator: Cavanaugh, Tim P
List Number: 1

List Source: TestAmerica Valparaiso

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: United States Steel Corporation

Job Number: 510-50390-1

Login Number: 50390

Creator: Lunt, Jeff T

List Number: 1

List Source: TestAmerica Chicago

List Creation: 03/16/10 09:58 AM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	