QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G16001 - EPA 3005A

Matrix Spike Dup (8G16001-MSD1) Continued Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 11:15

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	257		10.0	ug/L	250	32.5	90	75-123	0.4	16	
Iron	135000		50	ug/L	5000	129000	116	48-144	0.7	23	
Lead	494		10.0	ug/L	500	66.8	85	68-126	0.4	19	
Magnesium	38600		100	ug/L	5000	33700	97	59-129	0.2	22	
Manganese	1120		10.0	ug/L	250	907	83	55-146	0.09	19	
Molybdenum	145		10.0	ug/L	250	2.5 U	58	72-118	0.07	12	QM-07
Nickel	633		10.0	ug/L	500	187	89	64-126	0.2	12	
Potassium	35700		500	ug/L	25000	10500	101	53-121	0.4	20	
Selenium	424	B	10.0	ug/L	500	2.7 U	85	65-129	0.1	10	
Silver	36.9		10.0	ug/L	50.0	1.9 U	74	69-121	5	12	
Sodium	47800		500	ug/L	25000	22700	100	29-171	1	21	
Thallium	194		10.0	ug/L	250	4.8 U	78	67-135	1	13	
Vanadium	420		10.0	ug/L	250	202	87	71-130	0.3	16	
Zinc	950		10.0	ug/L	500	524	85	63-131	0.2	24	

Batch 8G16002 - EPA 7470A

Blank (8G16002-BLK1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 14:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (8G16002-BS1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 14:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.57		0.20	ug/L	5.00		91	87-123			

Matrix Spike (8G16002-MS1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 14:57

Source: C807785-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.02		0.20	ug/L	5.00	0.11 U	100	63-132			

Matrix Spike Dup (8G16002-MSD1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 15:00

Source: C807785-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.09		0.20	ug/L	5.00	0.11 U	102	63-132	1	10	

Post Spike (8G16002-PS1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 15:04

Source: C807785-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.98		0.20	ug/L	5.00	-0.03	100	0-200			

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G16005 - NO PREP

Blank (8G16005-BLK1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	5.4	J	15	mg/L							

LCS (8G16005-BS1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	97	B	15	mg/L	100		97	80-120			

Matrix Spike (8G16005-MS1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:49

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	95	B	15	mg/L	100	4.3	91	80-120			

Matrix Spike Dup (8G16005-MSD1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:50

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	94	B	15	mg/L	100	4.3	90	80-120	0.8	25	

Batch 8G16007 - NO PREP

Blank (8G16007-BLK1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	1.1	J	5.0	mg/L							

LCS (8G16007-BS1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100	B	5.0	mg/L	100		102	80-120			

Matrix Spike (8G16007-MS1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:19

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100	B	5.0	mg/L	100	0.17	100	80-120			

Matrix Spike Dup (8G16007-MSD1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:19

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	98	B	5.0	mg/L	100	0.17	98	80-120	2	25	

Batch 8G17006 - NO PREP

Blank (8G17006-BLK1) Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G17006 - NO PREP

Blank (8G17006-BLK1) Continued — Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.0	U	1.0	mg/L							

LCS (8G17006-BS1) — Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	91		1.0	mg/L	80.0		114	82-119			

Duplicate (8G17006-DUP1) — Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

Source: C807775-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	13		1.0	mg/L		12			4	10	

Batch 8G17008 - NO PREP

Blank (8G17008-BLK1) — Prepared: 07/18/2008 10:30 Analyzed: 07/22/2008 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (8G17008-BS1) — Prepared: 07/18/2008 10:30 Analyzed: 07/22/2008 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	310		10	mg/L	300		102	90-110			

Duplicate (8G17008-DUP1) — Prepared: 07/18/2008 10:30 Analyzed: 07/22/2008 12:23

Source: C807358-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	64		10	mg/L		62			3	10	

Batch 8G17018 - NO PREP

Blank (8G17018-BLK1) — Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 13:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.01	J	0.20	mg/L							
Sulfate as SO4	2.7	J	5.0	mg/L							

LCS (8G17018-BS1) — Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 14:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.91	B	0.20	mg/L	1.00		91	90-110			
Sulfate as SO4	47	B	5.0	mg/L	50.0		94	90-110			

Matrix Spike (8G17018-MS1) — Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 22:21

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G17018 - NO PREP

Matrix Spike (8G17018-MS1) Continued Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 22:21

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.3	B	0.20	mg/L	1.00	0.40	93	90-110			
Sulfate as SO4	190	BE	5.0	mg/L	50.0	140	89	90-110			QM-16

Matrix Spike Dup (8G17018-MSD1) Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 22:51

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.3	B	0.20	mg/L	1.00	0.40	92	90-110	1	10	
Sulfate as SO4	190	BE	5.0	mg/L	50.0	140	88	90-110	0.2	10	QM-16

Batch 8G21005 - NO PREP

Blank (8G21005-BLK1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.017	J	0.10	mg/L							

LCS (8G21005-BS1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2	B	0.10	mg/L	1.25		99	80-120			

Matrix Spike (8G21005-MS1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:09

Source: C807073-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.1	B	0.10	mg/L	1.28	0.017 U	88	80-120			

Matrix Spike Dup (8G21005-MSD1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:11

Source: C807073-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2	B	0.10	mg/L	1.28	0.017 U	90	80-120	2	25	

Batch 8G21007 - Same

Blank (8G21007-BLK1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	0.050	U	0.10	mg/L							

LCS (8G21007-BS1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	1.6		0.10	mg/L	1.60		102	80-120			

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G21007 - Same

Matrix Spike (8G21007-MS1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:29

Source: C807233-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.6		0.10	mg/L	1.60	1.1	97	80-120			

Matrix Spike Dup (8G21007-MSD1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:31

Source: C807233-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.7		0.10	mg/L	1.60	1.1	99	80-120	1	25	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-16	Matrix spike recovery could not be calculated due to high concentrations of analyte in source sample.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-5945

4810 Executive Park Court, Suite 211 Jacksonville, FL 32210-6909 (904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3085 Fax (919) 467-3696

Page 1 of 1

Client Name: Turnkey Hom-Vasi	Project Name: Bartlesfield Golf Course
Address: 501 Independence Blvd	Project Name/Desc:
City/ST/Zip: Chesapeake, VA 23320	PO# / Billing Info:
Tel: 757-518-3300 Fax: 757-518-3301	Reporting Contact:
Sample(s) Name, Affiliation (Print):	Billing Contact:
Sample(s) Signature:	Facility ID (If required):

Requested Analyses: TSS, TDS, T-Phos, Phenols, Chloride, Sulfate, NO3, Alkalinity, Se, Ni, Cu, Pb, T-Zn, Cd, Cr, Mg, Mn, Ba, Fe, Co, B, Mo, Sn, Be, Ag, Al

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

✓ Standard

✓ Expedited

Due ___/___/___

Lab Workorder: C807785

Preservation (See Codes) (Complete as necessary)

Item #	Sample ID (Field Designation)	Collection Date	Collection Time	Comp/Grab	Matrix (use codes)	Total # of Containers	TSS, TDS, T-Phos	Phenols	Chloride	Sulfate	NO3	Alkalinity	Se, Ni, Cu, Pb	B, Cu, Pb, T-Zn	Cd, Cr, Mg, Mn	Ba, Fe, Co, B, Mo	Sn, Be, Ag, Al	Sample Comments
	MW-3	7/14/08	1242	G	GW	6	X	X	X	X	X	X	X	X	X	X		
	MW-3D	↓	1242	↓	↓	6	X	X	X	X	X	X	X	X	X	X		
	MW-1	↓	1224	↓	↓	6	X	X	X	X	X	X	X	X	X	X		MW-3
	MW-2	↓	1230	↓	↓	5	X	X	X	X	X	X	X	X	X	X		MW-9
																		5 day TAT

← Total # of Containers

Sample(s) Relinquished By	Date/Time	Received By: Michele Wood	Date/Time: 7/14/08 1100	Received By	Date/Time
Comments:		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler Inv. & Temps on Receipt: C-4186 3.0°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SD-Solid SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (specify in comments)

Preservation: Ice HCL H2SO4 HNO3 NaOH NO Preservative O-Other (specify in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreement is in

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Wednesday, July 23, 2008

Kimley-Horn and Associates - VA[KI009]

Attn: Mike Iwashchenko

505 Independence Pkway, Suite 200

Chesapeake, VA 23320

RE: Laboratory Results for
Project Number: Battleground Golf Course, Project Name/Desc: Fly Ash
ENCO Workorder: C807783

Dear Mike Iwashchenko,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, July 15, 2008.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 25.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: OFS | Lab ID: C807783-01 | Sampled: 07/14/08 11:47 | Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/21/08	07/18/08	10:30	7/22/2008 12:23
EPA 160.2	07/21/08	07/17/08	10:35	7/18/2008 09:13
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 05:46
EPA 310.2	07/28/08	07/16/08	07:23	7/16/2008 10:43
EPA 353.2	08/11/08	07/21/08	07:56	7/21/2008 10:35
EPA 365.4	08/11/08	07/21/08	10:12	7/21/2008 15:44
EPA 6010B	01/10/09	07/16/08	06:45	7/17/2008 12:45
EPA 7470A	08/11/08	07/16/08	06:51	7/16/2008 15:33
SM4500-Cl/E	08/11/08	07/16/08	07:26	7/16/2008 10:15

Client ID: OFS | Lab ID: C807783-01RE1 | Sampled: 07/14/08 11:47 | Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 06:16

Client ID: OFE | Lab ID: C807783-02 | Sampled: 07/14/08 11:30 | Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/21/08	07/18/08	10:30	7/22/2008 12:23
EPA 160.2	07/21/08	07/17/08	10:35	7/18/2008 09:13
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 06:46
EPA 310.2	07/28/08	07/16/08	07:23	7/16/2008 10:44
EPA 353.2	08/11/08	07/21/08	07:56	7/21/2008 10:39
EPA 365.4	08/11/08	07/21/08	10:12	7/21/2008 15:46
EPA 6010B	01/10/09	07/16/08	06:45	7/17/2008 12:52
EPA 7470A	08/11/08	07/16/08	06:51	7/16/2008 15:37
SM4500-Cl/E	08/11/08	07/16/08	07:26	7/16/2008 10:16

Client ID: OFE | Lab ID: C807783-02RE1 | Sampled: 07/14/08 11:30 | Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	08/11/08	07/21/08	16:14	7/22/2008 07:00

Client ID: SW - 4 | Lab ID: C807783-03 | Sampled: 07/14/08 09:11 | Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/21/08	07/18/08	10:30	7/22/2008 12:23
EPA 160.2	07/21/08	07/17/08	10:35	7/18/2008 09:13
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 08:15
EPA 310.2	07/28/08	07/16/08	07:23	7/16/2008 10:45
EPA 353.2	08/11/08	07/21/08	07:56	7/21/2008 10:41
EPA 365.4	08/11/08	07/21/08	10:12	7/21/2008 15:47
EPA 6010B	01/10/09	07/16/08	06:45	7/17/2008 13:00
EPA 7470A	08/11/08	07/16/08	06:51	7/16/2008 15:40
SM4500-Cl/E	08/11/08	07/16/08	07:26	7/16/2008 10:16

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Client ID: SW - 4	Lab ID: C807783-03RE1	Sampled: 07/14/08 09:11	Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 08:44

Client ID: SW - 7	Lab ID: C807783-04	Sampled: 07/14/08 09:35	Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/21/08	07/18/08	10:30	7/22/2008 12:23
EPA 160.2	07/21/08	07/17/08	10:35	7/18/2008 09:13
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 09:14
EPA 310.2	07/28/08	07/16/08	07:23	7/16/2008 10:47
EPA 353.2	08/11/08	07/21/08	07:56	7/21/2008 10:43
EPA 365.4	08/11/08	07/21/08	10:12	7/21/2008 15:49
EPA 6010B	01/10/09	07/16/08	06:45	7/17/2008 13:07
EPA 7470A	08/11/08	07/16/08	06:51	7/16/2008 15:43
SM4500-Cl/E	08/11/08	07/16/08	07:26	7/16/2008 10:17

Client ID: SW - 7	Lab ID: C807783-04RE1	Sampled: 07/14/08 09:35	Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	08/11/08	07/21/08	16:14	7/22/2008 07:29

Client ID: WW - 1	Lab ID: C807783-05	Sampled: 07/14/08 10:12	Received: 07/15/08 11:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/21/08	07/18/08	10:30	7/22/2008 12:23
EPA 160.2	07/21/08	07/17/08	10:35	7/18/2008 09:13
EPA 300.0	08/11/08	07/17/08	11:41	7/19/2008 09:44
EPA 310.2	07/28/08	07/16/08	07:23	7/16/2008 10:47
EPA 353.2	08/11/08	07/21/08	07:56	7/21/2008 10:45
EPA 365.4	08/11/08	07/21/08	10:12	7/21/2008 15:51
EPA 6010B	01/10/09	07/16/08	06:45	7/17/2008 13:14
EPA 7470A	08/11/08	07/16/08	06:51	7/16/2008 15:46
SM4500-Cl/E	08/11/08	07/16/08	07:26	7/16/2008 10:18

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SAMPLE DETECTION SUMMARY

Client ID: OFS Lab ID: C807783-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	5820	B	100	ug/L	EPA 6010B	
Barium	107		10.0	ug/L	EPA 6010B	
Boron	40.4	J	50.0	ug/L	EPA 6010B	
Calcium	47000		100	ug/L	EPA 6010B	
Chloride	270	BD	15	mg/L	SM4500-Cl/E	QB-01
Cobalt	49.9		10.0	ug/L	EPA 6010B	
Fluoride	0.24	B	0.20	mg/L	EPA 300.0	QB-01
Iron	1490		50	ug/L	EPA 6010B	
Magnesium	9940		100	ug/L	EPA 6010B	
Manganese	391		10.0	ug/L	EPA 6010B	
Nickel	47.3		10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.060	JB	0.10	mg/L	EPA 353.2	J-01
Phosphorus	0.062	J	0.10	mg/L	EPA 365.4	
Potassium	26900		500	ug/L	EPA 6010B	
Sodium	143000		500	ug/L	EPA 6010B	
Total Dissolved Solids	670		10	mg/L	EPA 160.1	
Total Suspended Solids	1.5		1.0	mg/L	EPA 160.2	
Zinc	88.5		10.0	ug/L	EPA 6010B	

Client ID: OFS Lab ID: C807783-01RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	160	BD	10	mg/L	EPA 300.0	QB-01

Client ID: OFE Lab ID: C807783-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	1490	B	100	ug/L	EPA 6010B	
Arsenic	5.2	J	10.0	ug/L	EPA 6010B	
Barium	40.9		10.0	ug/L	EPA 6010B	
Boron	50.6		50.0	ug/L	EPA 6010B	
Calcium	16800		100	ug/L	EPA 6010B	
Chloride	18	B	5.0	mg/L	SM4500-Cl/E	QB-01
Fluoride	0.35	B	0.20	mg/L	EPA 300.0	QB-01
Iron	1420		50	ug/L	EPA 6010B	
Magnesium	5460		100	ug/L	EPA 6010B	
Manganese	29.6		10.0	ug/L	EPA 6010B	
Molybdenum	3.1	J	10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.030	JB	0.10	mg/L	EPA 353.2	J-01
Phosphorus	0.15		0.10	mg/L	EPA 365.4	
Potassium	3600		500	ug/L	EPA 6010B	
Selenium	3.6	JB	10.0	ug/L	EPA 6010B	
Sodium	8180		500	ug/L	EPA 6010B	
Total Alkalinity	32	B	15	mg/L	EPA 310.2	J-01
Total Dissolved Solids	140		10	mg/L	EPA 160.1	
Total Suspended Solids	12		1.0	mg/L	EPA 160.2	
Vanadium	2.3	J	10.0	ug/L	EPA 6010B	
Zinc	6.2	J	10.0	ug/L	EPA 6010B	

Client ID: OFE Lab ID: C807783-02RE1

Analyte	Results	Flag	MRL	Units	Method	Notes

Client ID: OFE — **Lab ID: C807783-02RE1**

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	25		5.0	mg/L	EPA 300.0	

Client ID: SW - 4 — **Lab ID: C807783-03**

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	5900	B	100	ug/L	EPA 6010B	
Barium	109		10.0	ug/L	EPA 6010B	
Boron	41.8	J	50.0	ug/L	EPA 6010B	
Calcium	48400		100	ug/L	EPA 6010B	
Chloride	270	BD	10	mg/L	SM4500-Cl/E	QB-01
Cobalt	52.2		10.0	ug/L	EPA 6010B	
Fluoride	0.23	B	0.20	mg/L	EPA 300.0	QB-01
Iron	1610		50	ug/L	EPA 6010B	
Magnesium	10200		100	ug/L	EPA 6010B	
Manganese	403		10.0	ug/L	EPA 6010B	
Nickel	48.8		10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.056	JB	0.10	mg/L	EPA 353.2	J-01
Potassium	27500		500	ug/L	EPA 6010B	
Sodium	147000		500	ug/L	EPA 6010B	
Thallium	5.4	J	10.0	ug/L	EPA 6010B	
Total Dissolved Solids	630		10	mg/L	EPA 160.1	
Total Suspended Solids	1.7		1.0	mg/L	EPA 160.2	
Zinc	88.5		10.0	ug/L	EPA 6010B	

Client ID: SW - 4 — **Lab ID: C807783-03RE1**

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	150	BD	10	mg/L	EPA 300.0	QB-01

Client ID: SW - 7 — **Lab ID: C807783-04**

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	842	B	100	ug/L	EPA 6010B	
Arsenic	3.2	J	10.0	ug/L	EPA 6010B	
Barium	40.5		10.0	ug/L	EPA 6010B	
Boron	50.9		50.0	ug/L	EPA 6010B	
Calcium	17200		100	ug/L	EPA 6010B	
Chloride	17	B	5.0	mg/L	SM4500-Cl/E	QB-01
Fluoride	0.34	B	0.20	mg/L	EPA 300.0	QB-01
Iron	565		50	ug/L	EPA 6010B	
Magnesium	5500		100	ug/L	EPA 6010B	
Manganese	8.8	J	10.0	ug/L	EPA 6010B	
Molybdenum	2.7	J	10.0	ug/L	EPA 6010B	
Phosphorus	0.095	J	0.10	mg/L	EPA 365.4	
Potassium	3670		500	ug/L	EPA 6010B	
Selenium	3.3	JB	10.0	ug/L	EPA 6010B	
Sodium	8440		500	ug/L	EPA 6010B	
Thallium	5.9	J	10.0	ug/L	EPA 6010B	
Total Alkalinity	28	B	15	mg/L	EPA 310.2	J-01
Total Dissolved Solids	120		10	mg/L	EPA 160.1	
Total Suspended Solids	5.8		1.0	mg/L	EPA 160.2	
Vanadium	1.8	J	10.0	ug/L	EPA 6010B	

Client ID: SW - 7 Lab ID: C807783-04RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	26		5.0	mg/L	EPA 300.0	

Client ID: WW - 1 Lab ID: C807783-05

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	107	B	100	ug/L	EPA 6010B	
Arsenic	6.8	J	10.0	ug/L	EPA 6010B	
Barium	78.7		10.0	ug/L	EPA 6010B	
Boron	51.1		50.0	ug/L	EPA 6010B	
Calcium	32600		100	ug/L	EPA 6010B	
Chloride	55	B	5.0	mg/L	SM4500-Cl/E	QB-01
Fluoride	0.31	B	0.20	mg/L	EPA 300.0	QB-01
Iron	674		50	ug/L	EPA 6010B	
Magnesium	8320		100	ug/L	EPA 6010B	
Manganese	182		10.0	ug/L	EPA 6010B	
Nickel	1.9	J	10.0	ug/L	EPA 6010B	
Phosphorus	0.069	J	0.10	mg/L	EPA 365.4	
Potassium	5690		500	ug/L	EPA 6010B	
Sodium	22500		500	ug/L	EPA 6010B	
Sulfate as SO4	55	B	5.0	mg/L	EPA 300.0	QB-01
Thallium	6.2	J	10.0	ug/L	EPA 6010B	
Total Alkalinity	31	B	15	mg/L	EPA 310.2	J-01
Total Dissolved Solids	240		10	mg/L	EPA 160.1	
Total Suspended Solids	4.0		1.0	mg/L	EPA 160.2	
Zinc	51.4		10.0	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: OFS
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-01
Sampled: 07/14/08 11:47
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**5820**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Barium [7440-39-3] ^	**107**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Boron [7440-42-8] ^	**40.4**	J	ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Calcium [7440-70-2] ^	**47000**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Cobalt [7440-48-4] ^	**49.9**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Iron [7439-89-6] ^	**1490**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Magnesium [7439-95-4] ^	**9940**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Manganese [7439-96-5] ^	**391**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:33	MPL	
olybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Nickel [7440-02-0] ^	**47.3**		ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Potassium [7440-09-7] ^	**26900**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Sodium [7440-23-5] ^	**143000**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	
Zinc [7440-66-6] ^	**88.5**		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 12:45	VLO	

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Description: OFS
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-01
Sampled: 07/14/08 11:47
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**270**	BD	mg/L	2.96	1.5	15	8G16007	SM4500-Cl/E	07/16/08 10:15	PEV	QB-01
Fluoride [16984-48-8]	**0.24**	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 05:46	AJ	QB-01
Nitrate/Nitrite as N [NA]	**0.060**	JB	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:35	PEV	J-01
Phosphorus [7723-14-0]	**0.062**	J	mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:44	PEV	
Sulfate as SO4 [14808-79-8]	**160**	BD	mg/L	2	0.10	10	8G17018	EPA 300.0	07/19/08 06:16	AJ	QB-01
Total Alkalinity [NA]	2.7	U	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:43	PEV	
Total Dissolved Solids [NA]	**670**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**1.5**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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Description: OFE
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-02
Sampled: 07/14/08 11:30
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**1490**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Arsenic [7440-38-2] ^	**5.2**	J	ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Barium [7440-39-3] ^	**40.9**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Boron [7440-42-8] ^	**50.6**		ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Calcium [7440-70-2] ^	**16800**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Iron [7439-89-6] ^	**1420**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Magnesium [7439-95-4] ^	**5460**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Manganese [7439-96-5] ^	**29.6**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:37	MPL	
Molybdenum [7439-98-7] ^	**3.1**	J	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Potassium [7440-09-7] ^	**3600**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 12:52	VLO	
elenium [7782-49-2] ^	**3.6**	JB	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Sodium [7440-23-5] ^	**8180**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Vanadium [7440-62-2] ^	**2.3**	J	ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	
Zinc [7440-66-6] ^	**6.2**	J	ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 12:52	VLO	

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Description: OFE
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-02
Sampled: 07/14/08 11:30
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	18	B	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:16	PEV	QB-01
Fluoride [16984-48-8]	0.35	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 06:46	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.030	JB	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:39	PEV	J-01
Phosphorus [7723-14-0]	0.15		mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:46	PEV	
Sulfate as SO4 [14808-79-8]	25		mg/L	1	0.05	5.0	8G21022	EPA 300.0	07/22/08 07:00	AJ	
Total Alkalinity [NA]	32	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:44	PEV	J-01
Total Dissolved Solids [NA]	140		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	12		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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Description: SW - 4
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-03
Sampled: 07/14/08 09:11
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**5900**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Barium [7440-39-3] ^	**109**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Boron [7440-42-8] ^	**41.8**	J	ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Calcium [7440-70-2] ^	**48400**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Cobalt [7440-48-4] ^	**52.2**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Iron [7439-89-6] ^	**1610**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Magnesium [7439-95-4] ^	**10200**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Manganese [7439-96-5] ^	**403**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:40	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Nickel [7440-02-0] ^	**48.8**		ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Potassium [7440-09-7] ^	**27500**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Sodium [7440-23-5] ^	**147000**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Thallium [7440-28-0] ^	**5.4**	J	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	
Zinc [7440-66-6] ^	**88.5**		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 13:00	VLO	

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Description: SW - 4
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-03
Sampled: 07/14/08 09:11
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**270**	BD	mg/L	2	1.0	10	8G16007	SM4500-Cl/E	07/16/08 10:16	PEV	QB-01
Fluoride [16984-48-8]	**0.23**	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 08:15	AJ	QB-01
Nitrate/Nitrite as N [NA]	**0.056**	JB	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:41	PEV	J-01
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:47	PEV	
Sulfate as SO4 [14808-79-8]	**150**	BD	mg/L	2	0.10	10	8G17018	EPA 300.0	07/19/08 08:44	AJ	QB-01
Total Alkalinity [NA]	2.7	U	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:45	PEV	
Total Dissolved Solids [NA]	**630**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**1.7**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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Description: SW - 7
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-04
Sampled: 07/14/08 09:35
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**842**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Arsenic [7440-38-2] ^	**3.2**	J	ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Barium [7440-39-3] ^	**40.5**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Boron [7440-42-8] ^	**50.9**		ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Calcium [7440-70-2] ^	**17200**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Iron [7439-89-6] ^	**565**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Magnesium [7439-95-4] ^	**5500**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Manganese [7439-96-5] ^	**8.8**	J	ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:43	MPL	
Molybdenum [7439-98-7] ^	**2.7**	J	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Potassium [7440-09-7] ^	**3670**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Selenium [7782-49-2] ^	**3.3**	JB	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Sodium [7440-23-5] ^	**8440**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Thallium [7440-28-0] ^	**5.9**	J	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Vanadium [7440-62-2] ^	**1.8**	J	ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	
Zinc [7440-66-6] ^	3.8	U	ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 13:07	VLO	

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Description: SW - 7
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-04
Sampled: 07/14/08 09:35
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**17**	B	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:17	PEV	QB-01
Fluoride [16984-48-8]	**0.34**	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 09:14	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.017	U	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:43	PEV	
Phosphorus [7723-14-0]	**0.095**	J	mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:49	PEV	
Sulfate as SO4 [14808-79-8]	**26**		mg/L	1	0.05	5.0	8G21022	EPA 300.0	07/22/08 07:29	AJ	
Total Alkalinity [NA]	**28**	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:47	PEV	J-01
Total Dissolved Solids [NA]	**120**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**5.8**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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Description: WW - 1
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-05
Sampled: 07/14/08 10:12
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**107**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Arsenic [7440-38-2] ^	**6.8**	J	ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Barium [7440-39-3] ^	**78.7**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Boron [7440-42-8] ^	**51.1**		ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Calcium [7440-70-2] ^	**32600**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Iron [7439-89-6] ^	**674**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Magnesium [7439-95-4] ^	**8320**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Manganese [7439-96-5] ^	**182**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:46	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Nickel [7440-02-0] ^	**1.9**	J	ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Potassium [7440-09-7] ^	**5690**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Sodium [7440-23-5] ^	**22500**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Thallium [7440-28-0] ^	**6.2**	J	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	
Zinc [7440-66-6] ^	**51.4**		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 13:14	VLO	

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Description: WW - 1
Matrix: Surface Water
Project: Fly Ash

Lab Sample ID: C807783-05
Sampled: 07/14/08 10:12
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807783

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**55**	B	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:18	PEV	QB-01
Fluoride [16984-48-8]	**0.31**	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 09:44	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.017	U	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:45	PEV	
Phosphorus [7723-14-0]	**0.069**	J	mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:51	PEV	
Sulfate as SO4 [14808-79-8]	**55**	B	mg/L	1	0.05	5.0	8G17018	EPA 300.0	07/19/08 09:44	AJ	QB-01
Total Alkalinity [NA]	**31**	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:47	PEV	J-01
Total Dissolved Solids [NA]	**240**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**4.0**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G16001 - EPA 3005A

Blank (8G16001-BLK1) Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 10:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**46**	**J**	100	ug/L							
Antimony	1.0	U	10.0	ug/L							
Arsenic	2.8	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	**0.10**	**J**	1.00	ug/L							
Boron	5.0	U	50.0	ug/L							
Cadmium	0.36	U	1.00	ug/L							
Calcium	20.0	U	100	ug/L							
Chromium	1.0	U	10.0	ug/L							
Cobalt	1.1	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22	U	50	ug/L							
Lead	1.9	U	10.0	ug/L							
Magnesium	23	U	100	ug/L							
Manganese	1.1	U	10.0	ug/L							
Molybdenum	2.5	U	10.0	ug/L							
Nickel	1.8	U	10.0	ug/L							
Potassium	150	U	500	ug/L							
Selenium	**3.0**	**J**	10.0	ug/L							
Silver	1.9	U	10.0	ug/L							
Sodium	400	U	500	ug/L							
Thallium	4.8	U	10.0	ug/L							
Vanadium	1.4	U	10.0	ug/L							
Zinc	3.8	U	10.0	ug/L							

LCS (8G16001-BS1) Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	4980	B	100	ug/L	5000		100	77-130			
Antimony	256		10.0	ug/L	250		103	82-119			
Arsenic	518		10.0	ug/L	500		104	82-117			
Barium	513		10.0	ug/L	500		103	72-125			
Beryllium	260	B	1.00	ug/L	250		104	75-121			
Boron	520		50.0	ug/L	500		104	75-122			
Cadmium	260		1.00	ug/L	250		104	72-120			
Calcium	5020		100	ug/L	5000		100	81-111			
Chromium	503		10.0	ug/L	500		101	78-119			
Cobalt	497		10.0	ug/L	500		99	76-117			
Copper	252		10.0	ug/L	250		101	80-117			
Iron	5010		50	ug/L	5000		100	84-133			
Lead	505		10.0	ug/L	500		101	72-121			
Magnesium	5250		100	ug/L	5000		105	81-117			
Manganese	251		10.0	ug/L	250		100	76-123			
Molybdenum	238		10.0	ug/L	250		95	83-112			
Nickel	512		10.0	ug/L	500		102	78-116			
Potassium	23700		500	ug/L	25000		95	84-112			
Selenium	531	B	10.0	ug/L	500		106	82-127			
Silver	49.7		10.0	ug/L	50.0		99	80-128			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G16001 - EPA 3005A

LCS (8G16001-BS1) Continued Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 10:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	23100		500	ug/L	25000		92	81-120			
Thallium	257		10.0	ug/L	250		103	79-118			
Vanadium	245		10.0	ug/L	250		98	78-117			
Zinc	506		10.0	ug/L	500		101	80-120			

Matrix Spike (8G16001-MS1) Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 11:08

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	79200	B	100	ug/L	5000	69500	194	78-125			QM-07
Antimony	100		10.0	ug/L	250	1.0 U	40	38-138			
Arsenic	509		10.0	ug/L	500	71.3	88	64-126			
Barium	718		10.0	ug/L	500	265	91	74-119			
Beryllium	229	B	1.00	ug/L	250	3.00	90	70-131			
Boron	512		50.0	ug/L	500	56.4	91	77-114			
Cadmium	203		1.00	ug/L	250	0.36 U	81	68-121			
Calcium	61200		100	ug/L	5000	56900	87	63-131			
Chromium	592		10.0	ug/L	500	158	87	73-120			
Cobalt	522		10.0	ug/L	500	96.3	85	76-120			
Copper	258		10.0	ug/L	250	32.5	90	75-123			
Iron	134000		50	ug/L	5000	129000	96	48-144			
Lead	496		10.0	ug/L	500	66.8	86	68-126			
Magnesium	38600		100	ug/L	5000	33700	98	59-129			
Manganese	1120		10.0	ug/L	250	907	84	55-146			
Molybdenum	145		10.0	ug/L	250	2.5 U	58	72-118			QM-07
Nickel	635		10.0	ug/L	500	187	89	64-126			
Potassium	35500		500	ug/L	25000	10500	100	53-121			
Selenium	424	B	10.0	ug/L	500	2.7 U	85	65-129			
Silver	38.7		10.0	ug/L	50.0	1.9 U	77	69-121			
Sodium	48300		500	ug/L	25000	22700	102	29-171			
Thallium	197		10.0	ug/L	250	4.8 U	79	67-135			
Vanadium	419		10.0	ug/L	250	202	87	71-130			
Zinc	948		10.0	ug/L	500	524	85	63-131			

Matrix Spike Dup (8G16001-MSD1) Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 11:15

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	80600	B	100	ug/L	5000	69500	220	78-125	2	22	QM-07
Antimony	96.5		10.0	ug/L	250	1.0 U	39	38-138	4	30	
Arsenic	506		10.0	ug/L	500	71.3	87	64-126	0.6	12	
Barium	718		10.0	ug/L	500	265	91	74-119	0.01	11	
Beryllium	228	B	1.00	ug/L	250	3.00	90	70-131	0.2	21	
Boron	511		50.0	ug/L	500	56.4	91	77-114	0.08	11	
Cadmium	202		1.00	ug/L	250	0.36 U	81	68-121	0.4	12	
Calcium	60500		100	ug/L	5000	56900	73	63-131	1	22	
Chromium	593		10.0	ug/L	500	158	87	73-120	0.2	10	
Cobalt	521		10.0	ug/L	500	96.3	85	76-120	0.2	17	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G16001 - EPA 3005A

Matrix Spike Dup (8G16001-MSD1) Continued Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 11:15

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	257		10.0	ug/L	250	32.5	90	75-123	0.4	16	
Iron	135000		50	ug/L	5000	129000	116	48-144	0.7	23	
Lead	494		10.0	ug/L	500	66.8	85	68-126	0.4	19	
Magnesium	38600		100	ug/L	5000	33700	97	59-129	0.2	22	
Manganese	1120		10.0	ug/L	250	907	83	55-146	0.09	19	
Molybdenum	145		10.0	ug/L	250	2.5 U	58	72-118	0.07	12	QM-07
Nickel	633		10.0	ug/L	500	187	89	64-126	0.2	12	
Potassium	35700		500	ug/L	25000	10500	101	53-121	0.4	20	
Selenium	424	B	10.0	ug/L	500	2.7 U	85	65-129	0.1	10	
Silver	36.9		10.0	ug/L	50.0	1.9 U	74	69-121	5	12	
Sodium	47800		500	ug/L	25000	22700	100	29-171	1	21	
Thallium	194		10.0	ug/L	250	4.8 U	78	67-135	1	13	
Vanadium	420		10.0	ug/L	250	202	87	71-130	0.3	16	
Zinc	950		10.0	ug/L	500	524	85	63-131	0.2	24	

Batch 8G16002 - EPA 7470A

Blank (8G16002-BLK1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 14:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (8G16002-BS1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 14:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.57		0.20	ug/L	5.00		91	87-123			

Matrix Spike (8G16002-MS1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 14:57

Source: C807785-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.02		0.20	ug/L	5.00	0.11 U	100	63-132			

Matrix Spike Dup (8G16002-MSD1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 15:00

Source: C807785-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.09		0.20	ug/L	5.00	0.11 U	102	63-132	1	10	

Post Spike (8G16002-PS1) Prepared: 07/16/2008 06:51 Analyzed: 07/16/2008 15:04

Source: C807785-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.98		0.20	ug/L	5.00	-0.03	100	0-200			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G16005 - NO PREP

Blank (8G16005-BLK1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	5.4	J	15	mg/L							

LCS (8G16005-BS1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	97	B	15	mg/L	100		97	80-120			

Matrix Spike (8G16005-MS1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:49

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	95	B	15	mg/L	100	4.3	91	80-120			

Matrix Spike Dup (8G16005-MSD1) Prepared: 07/16/2008 07:23 Analyzed: 07/16/2008 10:50

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	94	B	15	mg/L	100	4.3	90	80-120	0.8	25	

Batch 8G16007 - NO PREP

Blank (8G16007-BLK1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	1.1	J	5.0	mg/L							

LCS (8G16007-BS1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100	B	5.0	mg/L	100		102	80-120			

Matrix Spike (8G16007-MS1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:19

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100	B	5.0	mg/L	100	0.17	100	80-120			

Matrix Spike Dup (8G16007-MSD1) Prepared: 07/16/2008 07:26 Analyzed: 07/16/2008 10:19

Source: C807784-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	98	B	5.0	mg/L	100	0.17	98	80-120	2	25	

Batch 8G17006 - NO PREP

Blank (8G17006-BLK1) Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G17006 - NO PREP

Blank (8G17006-BLK1) Continued Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.0	U	1.0	mg/L							

LCS (8G17006-BS1) Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	91		1.0	mg/L	80.0		114	82-119			

Duplicate (8G17006-DUP1) Prepared: 07/17/2008 10:35 Analyzed: 07/18/2008 09:13

Source: C807775-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	13		1.0	mg/L		12			4	10	

Batch 8G17008 - NO PREP

Blank (8G17008-BLK1) Prepared: 07/18/2008 10:30 Analyzed: 07/22/2008 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (8G17008-BS1) Prepared: 07/18/2008 10:30 Analyzed: 07/22/2008 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	310		10	mg/L	300		102	90-110			

Duplicate (8G17008-DUP1) Prepared: 07/18/2008 10:30 Analyzed: 07/22/2008 12:23

Source: C807358-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	64		10	mg/L		62			3	10	

Batch 8G17018 - NO PREP

Blank (8G17018-BLK1) Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 13:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	**0.01**	**J**	0.20	mg/L							
Sulfate as SO4	**2.7**	**J**	5.0	mg/L							

LCS (8G17018-BS1) Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 14:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.91	B	0.20	mg/L	1.00		91	90-110			
Sulfate as SO4	47	B	5.0	mg/L	50.0		94	90-110			

Matrix Spike (8G17018-MS1) Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 22:21

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G17018 - NO PREP

Matrix Spike (8G17018-MS1) Continued Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 22:21

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.3	B	0.20	mg/L	1.00	0.40	93	90-110			
Sulfate as SO4	190	BE	5.0	mg/L	50.0	140	89	90-110			QM-16

Matrix Spike Dup (8G17018-MSD1) Prepared: 07/17/2008 11:41 Analyzed: 07/18/2008 22:51

Source: C807785-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.3	B	0.20	mg/L	1.00	0.40	92	90-110	1	10	
Sulfate as SO4	190	BE	5.0	mg/L	50.0	140	88	90-110	0.2	10	QM-16

Batch 8G21005 - NO PREP

Blank (8G21005-BLK1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	**0.017**	**J**	0.10	mg/L							

LCS (8G21005-BS1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2	B	0.10	mg/L	1.25		99	80-120			

Matrix Spike (8G21005-MS1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:09

Source: C807073-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.1	B	0.10	mg/L	1.28	0.017 U	88	80-120			

Matrix Spike Dup (8G21005-MSD1) Prepared: 07/21/2008 07:56 Analyzed: 07/21/2008 10:11

Source: C807073-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2	B	0.10	mg/L	1.28	0.017 U	90	80-120	2	25	

Batch 8G21007 - Same

Blank (8G21007-BLK1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	0.050	U	0.10	mg/L							

LCS (8G21007-BS1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	1.6		0.10	mg/L	1.60		102	80-120			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G21007 - Same

Matrix Spike (8G21007-MS1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:29

Source: C807233-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.6		0.10	mg/L	1.60	1.1	97	80-120			

Matrix Spike Dup (8G21007-MSD1) Prepared: 07/21/2008 10:12 Analyzed: 07/21/2008 15:31

Source: C807233-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.7		0.10	mg/L	1.60	1.1	99	80-120	1	25	

Batch 8G21022 - NO PREP

Blank (8G21022-BLK1) Prepared: 07/21/2008 16:14 Analyzed: 07/21/2008 17:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.05	U	5.0	mg/L							

LCS (8G21022-BS1) Prepared: 07/21/2008 16:14 Analyzed: 07/21/2008 18:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	48		5.0	mg/L	50.0		96	90-110			

Matrix Spike (8G21022-MS1) Prepared: 07/21/2008 16:14 Analyzed: 07/21/2008 18:38

Source: C807070-03RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	680	D	50	mg/L	500	190	99	90-110			

Matrix Spike Dup (8G21022-MSD1) Prepared: 07/21/2008 16:14 Analyzed: 07/21/2008 19:08

Source: C807070-03RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	680	D	50	mg/L	500	190	99	90-110	0.1	10	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-16	Matrix spike recovery could not be calculated due to high concentrations of analyte in source sample.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32210-8208 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3696

Page 1 of 1

Client Name: Kimley-Horn & Assoc.
Project Number: Bartlett Field Golf Course
Address: 501 Independence Pkwy
Project Name/Desc.:
City/State/Zip: Chesapeake, VA 23320
P.O.# / Billing Info:
Tel: 757-518-1300 Fax: 757-518-1301
Requesting Contact:
Sampler(s) Name, Affiliation (Print): Michelle Ward
Billing Contact:
Sampler(s) Signature: Michelle Ward
Facility # (if required):

Requested Analyses: TSS, TDS, T-Chlorine, Chloride, Sulfate, Urea, Al, Ca, Mg, Na, K, Cl, Cr, Mn, Fe, Co, Ni, Pb, Zn, Hg, Ag, Se, As, Cd, Cu, Be, Sb, Tl

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. ✓ Standard ___ Expedited Due __/__/__

Lab Workorder: C807783

Preservation (See Codes) (Combine as necessary)

Batch #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	TSS	TDS	T-Chlorine	Chloride	Sulfate	Urea	Al	Ca	Mg	Na	K	Sample Comments
	DFS	7/14/08	1147	G	SW	5	X	X	X	X	X	X	X	X	X	X	X	
	DPE		1130				X	X	X	X	X	X	X	X	X	X	X	
	SW-4		911				X	X	X	X	X	X	X	X	X	X	X	
	SW-7		935				X	X	X	X	X	X	X	X	X	X	X	
	WW-1		1012				X	X	X	X	X	X	X	X	X	X	X	

<- Total # of Containers

Samples Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Michelle Ward	7/14/08 1900	Briana Gregory	7/15/08 11:00
Comments: 10 Day TAT approved by Chuck. BJG 7/15/08		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-208 3.1°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW Groundwater SO Soil SE Sediment SW Surface Water WW Wastewater A Air O Other (please comment)

Preservation: 1 Ice 2 HCl 3 HNO3 4 H2SO4 5 NaOH 6 NaOH/ZnAc 7 Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions found on the reverse of this form, unless prior written agreement is in

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Thursday, August 7, 2008

Kimley-Horn and Associates - VA[KI009]

Attn: Mike Iwashchenko

505 Independence Pkway, Suite 200

Chesapeake, VA 23320

RE: Laboratory Results for
Project Number: 116436000, Project Name/Desc: Fly Ash
ENCO Workorder: C808135

Dear Mike Iwashchenko,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, July 24, 2008.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 22.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-3 | Lab ID: C808135-01 | Sampled: 07/23/08 12:43 | Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/30/08	07/28/08	17:41	7/30/2008 16:30
EPA 160.2	07/30/08	07/30/08	13:30	7/31/2008 11:36
EPA 300.0	08/20/08	07/31/08	11:58	8/1/2008 11:03
EPA 310.2	08/06/08	07/30/08	08:41	7/30/2008 11:48
EPA 353.2	08/20/08	07/27/08	10:19	7/27/2008 15:10
EPA 365.4	08/20/08	08/01/08	11:50	8/3/2008 11:14
EPA 6010B	01/19/09	07/28/08	11:36	8/4/2008 15:41
EPA 7470A	08/20/08	07/28/08	11:40	7/28/2008 18:23
SM4500-Cl/E	08/20/08	07/30/08	08:43	7/30/2008 12:40

Client ID: MW-3 | Lab ID: C808135-01RE1 | Sampled: 07/23/08 12:43 | Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	08/20/08	08/05/08	11:21	8/5/2008 19:30

Client ID: MW-4 | Lab ID: C808135-02 | Sampled: 07/23/08 13:19 | Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/30/08	07/28/08	17:41	7/30/2008 16:30
EPA 160.2	07/30/08	07/28/08	09:30	7/31/2008 10:00
EPA 300.0	08/20/08	07/31/08	11:58	8/1/2008 11:33
EPA 310.2	08/06/08	07/30/08	08:41	7/30/2008 11:56
EPA 353.2	08/20/08	07/27/08	10:19	7/27/2008 15:11
EPA 365.4	08/20/08	08/01/08	11:50	8/3/2008 11:15
EPA 6010B	01/19/09	07/25/08	09:53	7/29/2008 12:55
EPA 7470A	08/20/08	07/28/08	06:40	7/28/2008 18:26
SM4500-Cl/E	08/20/08	07/30/08	08:43	7/30/2008 12:47

Client ID: MW-4 | Lab ID: C808135-02RE1 | Sampled: 07/23/08 13:19 | Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	08/20/08	08/05/08	11:21	8/5/2008 20:00

Client ID: MW-5d | Lab ID: C808135-03 | Sampled: 07/23/08 14:02 | Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 160.1	07/30/08	07/28/08	17:41	7/30/2008 16:30
EPA 160.2	07/30/08	07/28/08	09:30	7/31/2008 10:00
EPA 300.0	08/20/08	07/31/08	11:58	8/1/2008 12:03
EPA 310.2	08/06/08	07/30/08	08:41	7/30/2008 11:57
EPA 353.2	08/20/08	07/27/08	10:19	7/27/2008 15:12
EPA 365.4	08/20/08	08/01/08	11:50	8/3/2008 11:17
EPA 6010B	01/19/09	07/25/08	09:53	7/29/2008 13:02
EPA 7470A	08/20/08	07/28/08	06:40	7/28/2008 18:29
SM4500-Cl/E	08/20/08	07/30/08	08:43	7/30/2008 12:48

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SAMPLE DETECTION SUMMARY

Client ID: MW-3 Lab ID: C808135-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	118	B	100	ug/L	EPA 6010B	
Antimony	1.1	J	10.0	ug/L	EPA 6010B	
Barium	21.5		10.0	ug/L	EPA 6010B	
Boron	26.0	J	50.0	ug/L	EPA 6010B	
Calcium	55400		100	ug/L	EPA 6010B	
Chloride	45	B	5.0	mg/L	SM4500-Cl/E	QB-01
Cobalt	5.4	J	10.0	ug/L	EPA 6010B	
Fluoride	0.38	B	0.20	mg/L	EPA 300.0	QB-01
Iron	6930		50	ug/L	EPA 6010B	
Magnesium	19300	B	100	ug/L	EPA 6010B	
Manganese	189		10.0	ug/L	EPA 6010B	
Nickel	4.1	J	10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.022	JB	0.10	mg/L	EPA 353.2	J-01
Phosphorus	0.38		0.10	mg/L	EPA 365.4	
Potassium	2510		500	ug/L	EPA 6010B	
Sodium	22900		500	ug/L	EPA 6010B	
Total Alkalinity	68		15	mg/L	EPA 310.2	
Total Dissolved Solids	360		10	mg/L	EPA 160.1	
Total Suspended Solids	8.5		1.0	mg/L	EPA 160.2	
Zinc	25.5		10.0	ug/L	EPA 6010B	

Client ID: MW-3 Lab ID: C808135-01RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	130	D	10	mg/L	EPA 300.0	

Client ID: MW-4 Lab ID: C808135-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	5670	B	100	ug/L	EPA 6010B	
Barium	33.7		10.0	ug/L	EPA 6010B	
Beryllium	8.10		1.00	ug/L	EPA 6010B	
Boron	17.5	JB	50.0	ug/L	EPA 6010B	
Calcium	32800	B	100	ug/L	EPA 6010B	
Chloride	20	B	5.0	mg/L	SM4500-Cl/E	QB-01
Cobalt	132		10.0	ug/L	EPA 6010B	
Fluoride	1.5	B	0.20	mg/L	EPA 300.0	QB-01
Iron	53600		50	ug/L	EPA 6010B	
Magnesium	59400		100	ug/L	EPA 6010B	
Manganese	1190		10.0	ug/L	EPA 6010B	
Nickel	294		10.0	ug/L	EPA 6010B	
Potassium	2130		500	ug/L	EPA 6010B	
Sodium	21200		500	ug/L	EPA 6010B	
Total Dissolved Solids	790		10	mg/L	EPA 160.1	
Total Suspended Solids	14		1.0	mg/L	EPA 160.2	
Zinc	485		10.0	ug/L	EPA 6010B	

Client ID: MW-4 Lab ID: C808135-02RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	460	D	50	mg/L	EPA 300.0	

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Client ID: MW-5d Lab ID: C808135-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	16100	B	100	ug/L	EPA 6010B	
Arsenic	6.0	J	10.0	ug/L	EPA 6010B	
Barium	80.7		10.0	ug/L	EPA 6010B	
Boron	65.9	B	50.0	ug/L	EPA 6010B	
Calcium	13300	B	100	ug/L	EPA 6010B	
Chloride	15	B	5.0	mg/L	SM4500-Cl/E	QB-01
Chromium	39.5		10.0	ug/L	EPA 6010B	
Cobalt	10.6		10.0	ug/L	EPA 6010B	
Copper	8.40	J	10.0	ug/L	EPA 6010B	
Fluoride	0.17	JB	0.20	mg/L	EPA 300.0	J-01
Iron	43400		50	ug/L	EPA 6010B	
Lead	19.9		10.0	ug/L	EPA 6010B	
Magnesium	7760		100	ug/L	EPA 6010B	
Manganese	443		10.0	ug/L	EPA 6010B	
Nickel	25.2		10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.11	B	0.10	mg/L	EPA 353.2	J-01
Phosphorus	0.51		0.10	mg/L	EPA 365.4	
Potassium	6050		500	ug/L	EPA 6010B	
Sodium	50300		500	ug/L	EPA 6010B	
Sulfate as SO4	71		5.0	mg/L	EPA 300.0	
Total Alkalinity	22		15	mg/L	EPA 310.2	
Total Dissolved Solids	260		10	mg/L	EPA 160.1	
Total Suspended Solids	650		1.0	mg/L	EPA 160.2	
Vanadium	41.4		10.0	ug/L	EPA 6010B	
Zinc	138		10.0	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: MW-3
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C808135-01
Sampled: 07/23/08 12:43
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C808135

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**118**	B	ug/L	1	17	100	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Antimony [7440-36-0] ^	**1.1**	J	ug/L	1	1.0	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Barium [7440-39-3] ^	**21.5**		ug/L	1	1.00	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Boron [7440-42-8] ^	**26.0**	J	ug/L	1	5.0	50.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Calcium [7440-70-2] ^	**55400**		ug/L	1	20.0	100	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Cobalt [7440-48-4] ^	**5.4**	J	ug/L	1	1.1	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Iron [7439-89-6] ^	**6930**		ug/L	1	22	50	8G28004	EPA 6010B	08/04/08 15:41	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Magnesium [7439-95-4] ^	**19300**	B	ug/L	1	23	100	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Manganese [7439-96-5] ^	**189**		ug/L	1	1.1	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G26002	EPA 7470A	07/28/08 18:23	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Nickel [7440-02-0] ^	**4.1**	J	ug/L	1	1.8	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Potassium [7440-09-7] ^	**2510**		ug/L	1	150	500	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Sodium [7440-23-5] ^	**22900**		ug/L	1	400	500	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	
Zinc [7440-66-6] ^	**25.5**		ug/L	1	3.8	10.0	8G28004	EPA 6010B	08/04/08 15:41	JDH	

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Description: MW-3
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C808135-01
Sampled: 07/23/08 12:43
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C808135

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	45	B	mg/L	1	0.50	5.0	8G30008	SM4500-Cl/E	07/30/08 12:40	PEV	QB-01
Fluoride [16984-48-8]	0.38	B	mg/L	1	0.01	0.20	8G31030	EPA 300.0	08/01/08 11:03	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.022	JB	mg/L	1	0.017	0.10	8G27003	EPA 353.2	07/27/08 15:10	PEV	J-01
Phosphorus [7723-14-0]	0.38		mg/L	1	0.050	0.10	8G31035	EPA 365.4	08/03/08 11:14	PEV	
Sulfate as SO4 [14808-79-8]	130	D	mg/L	2	0.10	10	8H05020	EPA 300.0	08/05/08 19:30	AJ	
Total Alkalinity [NA]	68		mg/L	1	2.7	15	8G30007	EPA 310.2	07/30/08 11:48	aj	
Total Dissolved Solids [NA]	360		mg/L	1	10	10	8G28006	EPA 160.1	07/30/08 16:30	JOC	
Total Suspended Solids [NA]	8.5		mg/L	1	1.0	1.0	8G30022	EPA 160.2	07/31/08 11:36	FLT	

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Description: MW-4
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C808135-02
Sampled: 07/23/08 13:19
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C808135

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**5670**	B	ug/L	1	17	100	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Barium [7440-39-3] ^	**33.7**		ug/L	1	1.00	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Beryllium [7440-41-7] ^	**8.10**		ug/L	1	0.10	1.00	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Boron [7440-42-8] ^	**17.5**	JB	ug/L	1	5.0	50.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Calcium [7440-70-2] ^	**32800**	B	ug/L	1	20.0	100	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Cobalt [7440-48-4] ^	**132**		ug/L	1	1.1	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Iron [7439-89-6] ^	**53600**		ug/L	1	22	50	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Magnesium [7439-95-4] ^	**59400**		ug/L	1	23	100	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Manganese [7439-96-5] ^	**1190**		ug/L	1	1.1	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G26002	EPA 7470A	07/28/08 18:26	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Nickel [7440-02-0] ^	**294**		ug/L	1	1.8	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Potassium [7440-09-7] ^	**2130**		ug/L	1	150	500	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Sodium [7440-23-5] ^	**21200**		ug/L	1	400	500	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	
Zinc [7440-66-6] ^	**485**		ug/L	1	3.8	10.0	8G25003	EPA 6010B	07/29/08 12:55	VLO	

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Description: MW-4
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C808135-02
Sampled: 07/23/08 13:19
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C808135

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**20**	B	mg/L	1	0.50	5.0	8G30008	SM4500-Cl/E	07/30/08 12:47	PEV	QB-01
Fluoride [16984-48-8]	**1.5**	B	mg/L	1	0.01	0.20	8G31030	EPA 300.0	08/01/08 11:33	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.017	U	mg/L	1	0.017	0.10	8G27003	EPA 353.2	07/27/08 15:11	PEV	
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8G31035	EPA 365.4	08/03/08 11:15	PEV	
Sulfate as SO4 [14808-79-8]	**460**	D	mg/L	10	0.51	50	8H05020	EPA 300.0	08/05/08 20:00	AJ	
Total Alkalinity [NA]	2.7	U	mg/L	1	2.7	15	8G30007	EPA 310.2	07/30/08 11:56	aj	
Total Dissolved Solids [NA]	**790**		mg/L	1	10	10	8G28006	EPA 160.1	07/30/08 16:30	JOC	
Total Suspended Solids [NA]	**14**		mg/L	1	1.0	1.0	8G28012	EPA 160.2	07/31/08 10:00	FLT	

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Description: MW-5d
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C808135-03
Sampled: 07/23/08 14:02
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C808135

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**16100**	B	ug/L	1	17	100	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Arsenic [7440-38-2] ^	**6.0**	J	ug/L	1	2.8	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Barium [7440-39-3] ^	**80.7**		ug/L	1	1.00	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Boron [7440-42-8] ^	**65.9**	B	ug/L	1	5.0	50.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Calcium [7440-70-2] ^	**13300**	B	ug/L	1	20.0	100	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Chromium [7440-47-3] ^	**39.5**		ug/L	1	1.0	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Cobalt [7440-48-4] ^	**10.6**		ug/L	1	1.1	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Copper [7440-50-8] ^	**8.40**	J	ug/L	1	1.60	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Iron [7439-89-6] ^	**43400**		ug/L	1	22	50	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Lead [7439-92-1] ^	**19.9**		ug/L	1	1.9	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Magnesium [7439-95-4] ^	**7760**		ug/L	1	23	100	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Manganese [7439-96-5] ^	**443**		ug/L	1	1.1	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G26002	EPA 7470A	07/28/08 18:29	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Nickel [7440-02-0] ^	**25.2**		ug/L	1	1.8	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Potassium [7440-09-7] ^	**6050**		ug/L	1	150	500	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Sodium [7440-23-5] ^	**50300**		ug/L	1	400	500	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Vanadium [7440-62-2] ^	**41.4**		ug/L	1	1.4	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	
Zinc [7440-66-6] ^	**138**		ug/L	1	3.8	10.0	8G25003	EPA 6010B	07/29/08 13:02	VLO	

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Description: MW-5d
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C808135-03
Sampled: 07/23/08 14:02
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C808135

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	15	B	mg/L	1	0.50	5.0	8G30008	SM4500-Cl/E	07/30/08 12:48	PEV	QB-01
Fluoride [16984-48-8]	0.17	JB	mg/L	1	0.01	0.20	8G31030	EPA 300.0	08/01/08 12:03	AJ	J-01
Nitrate/Nitrite as N [NA]	0.11	B	mg/L	1	0.017	0.10	8G27003	EPA 353.2	07/27/08 15:12	PEV	J-01
Phosphorus [7723-14-0]	0.51		mg/L	1	0.050	0.10	8G31035	EPA 365.4	08/03/08 11:17	PEV	
Sulfate as SO4 [14808-79-8]	71		mg/L	1	0.05	5.0	8G31030	EPA 300.0	08/01/08 12:03	AJ	
Total Alkalinity [NA]	22		mg/L	1	2.7	15	8G30007	EPA 310.2	07/30/08 11:57	aj	
Total Dissolved Solids [NA]	260		mg/L	1	10	10	8G28006	EPA 160.1	07/30/08 16:30	JOC	
Total Suspended Solids [NA]	650		mg/L	1	1.0	1.0	8G28012	EPA 160.2	07/31/08 10:00	FLT	

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G25003 - EPA 3005A

Blank (8G25003-BLK1) Prepared: 07/25/2008 07:18 Analyzed: 07/29/2008 12:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**41**	**J**	100	ug/L							
Antimony	1.0	U	10.0	ug/L							
Arsenic	2.8	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.10	U	1.00	ug/L							
Boron	**8.0**	**J**	50.0	ug/L							
Cadmium	0.36	U	1.00	ug/L							
Calcium	**22.9**	**J**	100	ug/L							
Chromium	1.0	U	10.0	ug/L							
Cobalt	1.1	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22	U	50	ug/L							
Lead	1.9	U	10.0	ug/L							
Magnesium	23	U	100	ug/L							
Manganese	1.1	U	10.0	ug/L							
Molybdenum	2.5	U	10.0	ug/L							
Nickel	1.8	U	10.0	ug/L							
Potassium	150	U	500	ug/L							
Selenium	2.7	U	10.0	ug/L							
Silver	1.9	U	10.0	ug/L							
Sodium	400	U	500	ug/L							
Thallium	4.8	U	10.0	ug/L							
Vanadium	1.4	U	10.0	ug/L							
Zinc	3.8	U	10.0	ug/L							

LCS (8G25003-BS1) Prepared: 07/25/2008 07:18 Analyzed: 07/29/2008 12:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5140	B	100	ug/L	5000		103	77-130			
Antimony	269		10.0	ug/L	250		108	82-119			
Arsenic	538		10.0	ug/L	500		108	82-117			
Barium	545		10.0	ug/L	500		109	72-125			
Beryllium	274		1.00	ug/L	250		110	75-121			
Boron	556	B	50.0	ug/L	500		111	75-122			
Cadmium	274		1.00	ug/L	250		110	72-120			
Calcium	5170	B	100	ug/L	5000		103	81-111			
Chromium	525		10.0	ug/L	500		105	78-119			
Cobalt	512		10.0	ug/L	500		102	76-117			
Copper	265		10.0	ug/L	250		106	80-117			
Iron	5260		50	ug/L	5000		105	84-133			
Lead	518		10.0	ug/L	500		104	72-121			
Magnesium	5380		100	ug/L	5000		108	81-117			
Manganese	260		10.0	ug/L	250		104	76-123			
Molybdenum	246		10.0	ug/L	250		98	83-112			
Nickel	541		10.0	ug/L	500		108	78-116			
Potassium	24000		500	ug/L	25000		96	84-112			
Selenium	547		10.0	ug/L	500		109	82-127			
Silver	50.7		10.0	ug/L	50.0		101	80-128			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G25003 - EPA 3005A

LCS (8G25003-BS1) Continued Prepared: 07/25/2008 07:18 Analyzed: 07/29/2008 12:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	23500		500	ug/L	25000		94	81-120			
Thallium	264		10.0	ug/L	250		106	79-118			
Vanadium	254		10.0	ug/L	250		102	78-117			
Zinc	526		10.0	ug/L	500		105	80-120			

Matrix Spike (8G25003-MS1) Prepared: 07/25/2008 07:18 Analyzed: 07/29/2008 12:23

Source: C807498-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10700	B	100	ug/L	5000	3320	147	78-125			QM-07
Antimony	274		10.0	ug/L	250	1.0 U	109	38-138			
Arsenic	560		10.0	ug/L	500	2.8 U	112	64-126			
Barium	630		10.0	ug/L	500	50.1	116	74-119			
Beryllium	290		1.00	ug/L	250	0.70	116	70-131			
Boron	586	B	50.0	ug/L	500	12.5	115	77-114			QM-07
Cadmium	285		1.00	ug/L	250	0.36 U	114	68-121			
Calcium	11200	B	100	ug/L	5000	5880	106	63-131			
Chromium	560		10.0	ug/L	500	4.7	111	73-120			
Cobalt	542		10.0	ug/L	500	1.1 U	108	76-120			
Copper	277		10.0	ug/L	250	1.60 U	111	75-123			
Iron	10200		50	ug/L	5000	4430	116	48-144			
Lead	541		10.0	ug/L	500	4.1	107	68-126			
Magnesium	8420		100	ug/L	5000	2670	115	59-129			
Manganese	460		10.0	ug/L	250	189	109	55-146			
Molybdenum	247		10.0	ug/L	250	2.5 U	99	72-118			
Nickel	569		10.0	ug/L	500	2.2	113	64-126			
Potassium	27600		500	ug/L	25000	598	108	53-121			
Selenium	566		10.0	ug/L	500	2.7 U	113	65-129			
Silver	54.2		10.0	ug/L	50.0	1.9 U	108	69-121			
Sodium	32200		500	ug/L	25000	5000	109	29-171			
Thallium	279		10.0	ug/L	250	5.0	110	67-135			
Vanadium	275		10.0	ug/L	250	7.9	107	71-130			
Zinc	566		10.0	ug/L	500	13.8	110	63-131			

Matrix Spike Dup (8G25003-MSD1) Prepared: 07/25/2008 07:18 Analyzed: 07/29/2008 12:46

Source: C807498-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10600	B	100	ug/L	5000	3320	146	78-125	0.5	22	QM-07
Antimony	274		10.0	ug/L	250	1.0 U	110	38-138	0.2	30	
Arsenic	571		10.0	ug/L	500	2.8 U	114	64-126	2	12	
Barium	648		10.0	ug/L	500	50.1	120	74-119	3	11	QM-07
Beryllium	298		1.00	ug/L	250	0.70	119	70-131	3	21	
Boron	604	B	50.0	ug/L	500	12.5	118	77-114	3	11	QM-07
Cadmium	292		1.00	ug/L	250	0.36 U	117	68-121	2	12	
Calcium	11400	B	100	ug/L	5000	5880	110	63-131	2	22	
Chromium	572		10.0	ug/L	500	4.7	114	73-120	2	10	
Cobalt	553		10.0	ug/L	500	1.1 U	111	76-120	2	17	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G25003 - EPA 3005A

Matrix Spike Dup (8G25003-MSD1) Continued Prepared: 07/25/2008 07:18 Analyzed: 07/29/2008 12:46

Source: C807498-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	296		10.0	ug/L	250	1.60 U	118	75-123	6	16	
Iron	10300		50	ug/L	5000	4430	117	48-144	0.7	23	
Lead	557		10.0	ug/L	500	4.1	111	68-126	3	19	
Magnesium	8470		100	ug/L	5000	2670	116	59-129	0.5	22	
Manganese	467		10.0	ug/L	250	189	111	55-146	1	19	
Molybdenum	251		10.0	ug/L	250	2.5 U	100	72-118	1	12	
Nickel	584		10.0	ug/L	500	2.2	116	64-126	3	12	
Potassium	27900		500	ug/L	25000	598	109	53-121	1	20	
Selenium	583		10.0	ug/L	500	2.7 U	117	65-129	3	10	
Silver	53.8		10.0	ug/L	50.0	1.9 U	108	69-121	0.7	12	
Sodium	32600		500	ug/L	25000	5000	110	29-171	1	21	
Thallium	280		10.0	ug/L	250	5.0	110	67-135	0.3	13	
Vanadium	282		10.0	ug/L	250	7.9	110	71-130	2	16	
Zinc	582		10.0	ug/L	500	13.8	114	63-131	3	24	

Batch 8G26002 - EPA 7470A

Blank (8G26002-BLK1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 16:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (8G26002-BS1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 16:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.65		0.20	ug/L	5.00		93	87-123			

Matrix Spike (8G26002-MS1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 17:02

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.55		0.20	ug/L	5.00	0.11 U	91	63-132			

Matrix Spike Dup (8G26002-MSD1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 17:05

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.66		0.20	ug/L	5.00	0.11 U	93	63-132	2	10	

Post Spike (8G26002-PS1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 17:08

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.59		0.20	ug/L	5.00	-0.01	92	0-200			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G28004 - EPA 3005A

Blank (8G28004-BLK1) Prepared: 07/28/2008 07:03 Analyzed: 08/04/2008 15:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**28**	**J**	100	ug/L							
Antimony	1.0	U	10.0	ug/L							
Arsenic	2.8	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.10	U	1.00	ug/L							
Boron	5.0	U	50.0	ug/L							
Cadmium	0.36	U	1.00	ug/L							
Calcium	20.0	U	100	ug/L							
Chromium	1.0	U	10.0	ug/L							
Cobalt	1.1	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22	U	50	ug/L							
Lead	1.9	U	10.0	ug/L							
Magnesium	**23**	**J**	100	ug/L							
Manganese	1.1	U	10.0	ug/L							
Molybdenum	2.5	U	10.0	ug/L							
Nickel	1.8	U	10.0	ug/L							
Potassium	150	U	500	ug/L							
Selenium	2.7	U	10.0	ug/L							
Silver	1.9	U	10.0	ug/L							
Sodium	400	U	500	ug/L							
Thallium	4.8	U	10.0	ug/L							
Vanadium	1.4	U	10.0	ug/L							
Zinc	3.8	U	10.0	ug/L							

LCS (8G28004-BS1) Prepared: 07/28/2008 07:03 Analyzed: 08/04/2008 15:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5090	B	100	ug/L	5000		102	77-130			
Antimony	261		10.0	ug/L	250		104	82-119			
Arsenic	522		10.0	ug/L	500		104	82-117			
Barium	515		10.0	ug/L	500		103	72-125			
Beryllium	262		1.00	ug/L	250		105	75-121			
Boron	519		50.0	ug/L	500		104	75-122			
Cadmium	258		1.00	ug/L	250		103	72-120			
Calcium	5110		100	ug/L	5000		102	81-111			
Chromium	507		10.0	ug/L	500		101	78-119			
Cobalt	503		10.0	ug/L	500		101	76-117			
Copper	256		10.0	ug/L	250		103	80-117			
Iron	5020		50	ug/L	5000		100	84-133			
Lead	516		10.0	ug/L	500		103	72-121			
Magnesium	5130	B	100	ug/L	5000		103	81-117			
Manganese	255		10.0	ug/L	250		102	76-123			
Molybdenum	246		10.0	ug/L	250		98	83-112			
Nickel	510		10.0	ug/L	500		102	78-116			
Potassium	24000		500	ug/L	25000		96	84-112			
Selenium	540		10.0	ug/L	500		108	82-127			
Silver	52.1		10.0	ug/L	50.0		104	80-128			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G28004 - EPA 3005A

LCS (8G28004-BS1) Continued Prepared: 07/28/2008 07:03 Analyzed: 08/04/2008 15:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	23800		500	ug/L	25000		95	81-120			
Thallium	259		10.0	ug/L	250		104	79-118			
Vanadium	250		10.0	ug/L	250		100	78-117			
Zinc	505		10.0	ug/L	500		101	80-120			

Matrix Spike (8G28004-MS1) Prepared: 07/28/2008 07:03 Analyzed: 08/04/2008 15:25

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5880	B	100	ug/L	5000	587	106	78-125			
Antimony	252		10.0	ug/L	250	1.0 U	101	38-138			
Arsenic	511		10.0	ug/L	500	2.8 U	102	64-126			
Barium	562		10.0	ug/L	500	48.5	103	74-119			
Beryllium	260		1.00	ug/L	250	0.20	104	70-131			
Boron	521		50.0	ug/L	500	7.5	103	77-114			
Cadmium	254		1.00	ug/L	250	0.36 U	102	68-121			
Calcium	8630		100	ug/L	5000	3650	100	63-131			
Chromium	503		10.0	ug/L	500	1.0 U	101	73-120			
Cobalt	497		10.0	ug/L	500	1.6	99	76-120			
Copper	253		10.0	ug/L	250	1.60 U	101	75-123			
Iron	5580		50	ug/L	5000	525	101	48-144			
Lead	506		10.0	ug/L	500	1.9 U	101	68-126			
Magnesium	6540	B	100	ug/L	5000	1480	101	59-129			
Manganese	289		10.0	ug/L	250	34.6	102	55-146			
Molybdenum	239		10.0	ug/L	250	2.5 U	96	72-118			
Nickel	504		10.0	ug/L	500	1.8 U	101	64-126			
Potassium	25600		500	ug/L	25000	870	99	53-121			
Selenium	527		10.0	ug/L	500	2.7 U	105	65-129			
Silver	50.3		10.0	ug/L	50.0	1.9 U	101	69-121			
Sodium	30700		500	ug/L	25000	5940	99	29-171			
Thallium	255		10.0	ug/L	250	4.8 U	102	67-135			
Vanadium	247		10.0	ug/L	250	1.5	98	71-130			
Zinc	518		10.0	ug/L	500	19.7	100	63-131			

Matrix Spike Dup (8G28004-MSD1) Prepared: 07/28/2008 07:03 Analyzed: 08/04/2008 15:32

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5280	B	100	ug/L	5000	587	94	78-125	11	22	
Antimony	256		10.0	ug/L	250	1.0 U	102	38-138	2	30	
Arsenic	451		10.0	ug/L	500	2.8 U	90	64-126	13	12	QR-02
Barium	503		10.0	ug/L	500	48.5	91	74-119	11	11	
Beryllium	231		1.00	ug/L	250	0.20	92	70-131	12	21	
Boron	465		50.0	ug/L	500	7.5	91	77-114	11	11	
Cadmium	227		1.00	ug/L	250	0.36 U	91	68-121	11	12	
Calcium	8060		100	ug/L	5000	3650	88	63-131	7	22	
Chromium	449		10.0	ug/L	500	1.0 U	90	73-120	11	10	QR-02
Cobalt	442		10.0	ug/L	500	1.6	88	76-120	12	17	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G28004 - EPA 3005A

Matrix Spike Dup (8G28004-MSD1) Continued Prepared: 07/28/2008 07:03 Analyzed: 08/04/2008 15:32

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	225		10.0	ug/L	250	1.60 U	90	75-123	12	16	
Iron	5020		50	ug/L	5000	525	90	48-144	11	23	
Lead	453		10.0	ug/L	500	1.9 U	91	68-126	11	19	
Magnesium	5970	B	100	ug/L	5000	1480	90	59-129	9	22	
Manganese	260		10.0	ug/L	250	34.6	90	55-146	10	19	
Molybdenum	242		10.0	ug/L	250	2.5 U	97	72-118	1	12	
Nickel	449		10.0	ug/L	500	1.8 U	90	64-126	12	12	
Potassium	22600		500	ug/L	25000	870	87	53-121	12	20	
Selenium	468		10.0	ug/L	500	2.7 U	94	65-129	12	10	QR-02
Silver	51.5		10.0	ug/L	50.0	1.9 U	103	69-121	2	12	
Sodium	27900		500	ug/L	25000	5940	88	29-171	10	21	
Thallium	228		10.0	ug/L	250	4.8 U	91	67-135	11	13	
Vanadium	220		10.0	ug/L	250	1.5	87	71-130	11	16	
Zinc	466		10.0	ug/L	500	19.7	89	63-131	11	24	

Classical Chemistry Parameters - Quality Control

Batch 8G27003 - NO PREP

Blank (8G27003-BLK1) Prepared: 07/27/2008 10:19 Analyzed: 07/27/2008 14:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	**0.031**	**J**	0.10	mg/L							

LCS (8G27003-BS1) Prepared: 07/27/2008 10:19 Analyzed: 07/27/2008 14:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.3	B	0.10	mg/L	1.25		101	80-120			

Matrix Spike (8G27003-MS1) Prepared: 07/27/2008 10:19 Analyzed: 07/28/2008 08:29

Source: C807495-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.1	B	0.10	mg/L	1.28	0.012	82	80-120			

Matrix Spike Dup (8G27003-MSD1) Prepared: 07/27/2008 10:19 Analyzed: 07/28/2008 08:30

Source: C807495-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.1	B	0.10	mg/L	1.28	0.012	83	80-120	1	25	

Batch 8G28006 - NO PREP

Blank (8G28006-BLK1) Prepared: 07/28/2008 17:41 Analyzed: 07/30/2008 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G28006 - NO PREP

LCS (8G28006-BS1) Prepared: 07/28/2008 17:41 Analyzed: 07/30/2008 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	310		10	mg/L	300		102	90-110			

Duplicate (8G28006-DUP1) Prepared: 07/28/2008 17:41 Analyzed: 07/30/2008 16:30

Source: C807265-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2200		10	mg/L		2100			2	10	

Batch 8G28012 - NO PREP

Blank (8G28012-BLK1) Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.0	U	1.0	mg/L							

LCS (8G28012-BS1) Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	88		1.0	mg/L	80.0		110	82-119			

Duplicate (8G28012-DUP1) Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Source: C808138-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	21		1.0	mg/L		22			2	10	

Batch 8G30007 - NO PREP

Blank (8G30007-BLK1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	2.7	U	15	mg/L							

LCS (8G30007-BS1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100		15	mg/L	100		104	80-120			

Matrix Spike (8G30007-MS1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:49

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	170		15	mg/L	100	68	98	80-120			

Matrix Spike Dup (8G30007-MSD1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:50

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G30007 - NO PREP

Matrix Spike Dup (8G30007-MSD1) Continued Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:50

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	160		15	mg/L	100	68	95	80-120	2	25	

Batch 8G30008 - NO PREP

Blank (8G30008-BLK1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	**1.4**	**J**	5.0	mg/L							

LCS (8G30008-BS1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	99	B	5.0	mg/L	100		99	80-120			

Matrix Spike (8G30008-MS1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:41

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	140	B	5.0	mg/L	100	45	94	80-120			

Matrix Spike Dup (8G30008-MSD1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:41

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	140	B	5.0	mg/L	100	45	97	80-120	2	25	

Batch 8G30022 - NO PREP

Blank (8G30022-BLK1) Prepared: 07/30/2008 13:30 Analyzed: 07/31/2008 11:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.0	U	1.0	mg/L							

LCS (8G30022-BS1) Prepared: 07/30/2008 13:30 Analyzed: 07/31/2008 11:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	88		1.0	mg/L	80.0		110	82-119			

Duplicate (8G30022-DUP1) Prepared: 07/30/2008 13:30 Analyzed: 07/31/2008 11:36

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	8.5		1.0	mg/L		8.5			0	10	

Batch 8G31030 - NO PREP

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Blank (8G31030-BLK1) Prepared: 07/31/2008 11:58 Analyzed: 07/31/2008 15:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	**0.02**	J	0.20	mg/L							
Sulfate as SO4	0.05	U	5.0	mg/L							

LCS (8G31030-BS1) Prepared: 07/31/2008 11:58 Analyzed: 07/31/2008 16:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.95	B	0.20	mg/L	1.00		95	90-110			
Sulfate as SO4	47		5.0	mg/L	50.0		95	90-110			

Matrix Spike (8G31030-MS1) Prepared: 07/31/2008 11:58 Analyzed: 07/31/2008 23:41

Source: C807082-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.1	B	0.20	mg/L	1.00	0.11	99	90-110			
Sulfate as SO4	49		5.0	mg/L	50.0	1.6	94	90-110			

Matrix Spike Dup (8G31030-MSD1) Prepared: 07/31/2008 11:58 Analyzed: 08/01/2008 00:11

Source: C807082-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.1	B	0.20	mg/L	1.00	0.11	99	90-110	0.08	10	
Sulfate as SO4	48		5.0	mg/L	50.0	1.6	93	90-110	1	10	

Batch 8G31035 - Same

Blank (8G31035-BLK1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	0.050	U	0.10	mg/L							

LCS (8G31035-BS1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	1.6		0.10	mg/L	1.60		98	80-120			

Matrix Spike (8G31035-MS1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:40

Source: C808020-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.4		0.10	mg/L	1.60	0.77	100	80-120			

Matrix Spike Dup (8G31035-MSD1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:42

Source: C808020-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.3		0.10	mg/L	1.60	0.77	97	80-120	2	25	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8H05020 - NO PREP

Blank (8H05020-BLK1) Prepared: 08/05/2008 11:21 Analyzed: 08/05/2008 15:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.05	U	5.0	mg/L							

LCS (8H05020-BS1) Prepared: 08/05/2008 11:21 Analyzed: 08/05/2008 16:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	48		5.0	mg/L	50.0		95	90-110			

Matrix Spike (8H05020-MS1) Prepared: 08/05/2008 11:21 Analyzed: 08/05/2008 21:29

Source: C807494-23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	64		5.0	mg/L	50.0	11	106	90-110			

Matrix Spike Dup (8H05020-MSD1) Prepared: 08/05/2008 11:21 Analyzed: 08/05/2008 21:58

Source: C807494-23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	62		5.0	mg/L	50.0	11	102	90-110	3	10	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Cutrale Park Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32210-6069 (904) 296-3007 Fax (904) 296-6210
1015 Passport Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-1676

Page 1 of 1

Client Name: Kimley Horn and Associates	Project Number: 116436000
Address: 501 Independence Pkwy Suite 300	Project Name/Site: Battlefield Fly Ash
City/St/Zip: Chesapeake, VA 23320	PO # / Billing Info:
Tel: 757-548-7300 Fax: 757-548-7301	Reporting Contact: Mike I
Sampler(s) Name, Affiliation (Print): Mike Iwashchenko	Billing Contact: M. Iwashchenko
Sampler(s) Signature(s): M. Iwashchenko	Facility # (if required):

Requested Analyses: Mg, Al, Mg, Ba, Be, Cr, Cd, Co, Cu, Fe, Pb, K, Mg, Mn, Mo, Ni, Pb, Sb, Se, Tl, Zn; Alkalinity 310.2, Chloride 325.3, Sn 9500 – Cl, F, Fluoride 340.2; NOX 353.2 P; Sulfate 300, TSS 160.2

Requested Turnaround Times: Note: Rush requests subject to acceptance by the laboratory. ✓ Standard ___ Expedited Due __/__/__

Lab Workorder: BSG C808124 7/24/08

Preservation (See Codes) (Combine as necessary)

Area #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments
	MW-3	7/23/08	1243	G	GW	7	X	X	X	X	X					C808135
	MW-4	7/23/08	1319	G	GW	7	X	X	X	X	X					
	MW-5D	7/23/08	202	G	GW	7	X	X	X	X	X					
	~~SW-10~~	~~7/23/08~~														
	~~FS-6~~															
						21										

← Total # of Containers

Samples Prepared By:	Date/Time:	Relinquished By: M. Iwashchenko	Date/Time: 7/23/08 3:27	Received By: [signature]	Date/Time: 7/24/08 11:45
Comments: MW-3 on hold pending more bottles on Friday per Mike. BSG 7/24/08		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-2 0.6 C-2		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix: GW Groundwater SO Soil SE Sediment SW Surface Water WW Wastewater A Air O-Other (detail in comments)

Preservative: N-None H-HCl S-H2SO4 N-HNO3 S-NaOH NO-NaOH O-Other (detail in comments)

Note: All services provided by ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless later written agreement exists.

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Friday, August 8, 2008

Kimley-Horn and Associates - VA[KI009]

Attn: Mike Iwashchenko

505 Independence Pkway, Suite 200

Chesapeake, VA 23320

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Fly Ash
ENCO Workorder: C807924

Dear Mike Iwashchenko,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, July 24, 2008.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 46.

PROJECT NARRATIVE

Client: Kimley-Horn and Associates - VA[KI009]
Project: Fly Ash
ENCO Project ID: C807924

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling and processing will be discussed in the Remarks section below.

Remarks

Analysis: EPA 353.2 NOx
Affected Samples: 8G27003-BLK1, FS-6[C807924-01], SW-10[C807924-02]
Description: MB results above MDL but below MRL; associated samples flagged with J-01
Narrative: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit. Since the magnitude of the sample result are within a factor of 10 of the associated blank, the result should be considered to be an estimate.

Analysis: SM4500-Cl/E Chloride
Affected Samples: 8G30008-BLK1, FS-6[C807924-01RE1], SW-10[C807924-02RE1]
Narrative: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit. Since the magnitude of the sample result is greater than ten times the concentration of the associated blank, the impact of this nonconformance is considered to be minimal.

Analysis: EPA 300.0 Fluoride
Affected Samples: 8G31030-BLK1, FS-6[C807924-01]
Narrative: The method blank contains analyte at a concentration above the MRL, but since it was not detected in the sample, the impact on data quality is negligible.

Analysis: EPA 300.0 Fluoride
Affected Samples: 8G31030-BLK1, 8G31031-BLK1, SW-10[C807924-02]
Narrative: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit. Since the magnitude of the sample result is greater than ten times the concentration of the associated blank, the impact of this nonconformance is considered to be minimal.

Analysis: EPA 9056 Chloride, Fluoride, Nitrate, Nitrite & Sulfate
Affected Samples: MW-4[C807924-03], MW-5D[C807924-04], MW-5D[C807924-05]
Description: Holding time expired in the laboratory (explanation required)
Narrative:Two of the three samples were received outside of the three day leaching period for the method prep. The third sample could not be prepared within the remaining hold time.
Explanation: Samples were received with less than 1/2 of the preparation hold time left of three days from sampling.

Analysis: EPA 9056 Fluoride
Affected Samples: 8H05022-BLK1, MW-5D[C807924-04]
Narrative: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit. The analytes were not detected in the associated samples. The nonconformance affected only the method blank, and is considered to not have an impact on sample data quality.

Analysis: EPA 9056 Fluoride
Affected Samples: 8H05022-BLK1, MW-4[C807924-03], MW-5D[C807924-05]
Narrative: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit. Since the magnitude of the sample results are within a factor of 10 of the associated blank, the result should be considered to be an estimate.
Explanation: MB results above MDL, but below MRL; associated samples flagged with J-01

Analysis: EPA 9056 Fluoride
Affected Samples: 8H05022-MS1, 8H05022-MSD1, MW-4[C807924-03], MW-5D[C807924-04], MW-5D[C807924-05]
Narrative: The matrix spike and/or matrix spike duplicate had recoveries that were outside acceptance limits, but by virtue of a laboratory control sample being in control, the laboratory has demonstrated to be in control of its internal process.

Analysis: EPA 9056 Sulfate
Affected Samples: 8H05022-BLK1, MW-4[C807924-03], MW-5D[C807924-04], MW-5D[C807924-05]
Narrative: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit. Since the magnitude of the sample results are within a factor of 10 of the associated blank, the result should be considered to be an estimate.
Explanation: MB results above MDL, but below MRL; associated samples flagged with J-01

Analysis: EPA 9056 Nitrate
Affected Samples: 8H05022-MS1, 8H05022-MSD1, MW-4[C807924-03], MW-5D[C807924-04], MW-5D[C807924-05]
Narrative: The matrix spike and/or matrix spike duplicate had recoveries that were outside acceptance limits, but by virtue of a laboratory control sample being in control, the laboratory has demonstrated to be in control of its internal process.
Explanation: The source sample was spiked at ten times the intended concentration of 10mg/L. Results are outside of calibration range and recoveries should be considered estimates at 122% and 120%.

Analysis: EPA 310.2 Alkalinity
Affected Samples: 8H06006-BLK1, MW-4[C807924-03RE1]
Narrative: The associated method blank had a positive result, and may affect the quality of the result presented. There was no additional sample available for repeat testing.
Explanation: MB has positive results, there is no additional leachate to re-test. Result should be considered estimated. Result is below the BLK1 result.

Analysis: EPA 310.2 Alkalinity
Affected Samples: 8H06006-BLK1, MW-5D[C807924-04], MW-5D[C807924-05]
Nonconformance:
Additional Information: [NOTE TO PM's: add additional information as appropriate from NCM on right using copy/paste or enter NONE]

Analysis: EPA 310.2 Alkalinity
Affected Samples: 8H06006-BLK1, MW-4[C807924-03], MW-4[C807924-03RE1], MW-5D[C807924-04], MW-5D[C807924-05]
Description: Holding time expired in the laboratory (explanation required)
Narrative:Two of the three samples were received outside of the three day leaching period for the method prep. The third sample could not be prepared within the remaining hold time.
Explanation: Samples were received with less than 1/2 of the preparation hold time left of three days from sampling.

Chuck Smith
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: FS-6 Lab ID: C807924-01 Sampled: 07/23/08 12:30 Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/30/08	07/28/08 17:41	7/30/2008 16:30
EPA 160.2	07/30/08	07/28/08 09:30	7/31/2008 10:00
EPA 300.0	08/20/08	07/31/08 11:58	8/1/2008 10:04
EPA 310.2	08/06/08	07/30/08 08:41	7/30/2008 11:54
EPA 353.2	08/20/08	07/27/08 10:19	7/27/2008 15:07
EPA 365.4	08/20/08	08/01/08 11:50	8/3/2008 11:09
EPA 6010B	01/19/09	07/25/08 07:10	7/30/2008 11:52
EPA 7470A	08/20/08	07/28/08 06:40	7/28/2008 18:15

Client ID: FS-6 Lab ID: C807924-01RE1 Sampled: 07/23/08 12:30 Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
SM4500-Cl/E	08/20/08	07/30/08 08:43	7/30/2008 13:09

Client ID: SW-10 Lab ID: C807924-02 Sampled: 07/23/08 14:20 Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 160.1	07/30/08	07/28/08 17:41	7/30/2008 16:30
EPA 160.2	07/30/08	07/28/08 09:30	7/31/2008 10:00
EPA 300.0	08/20/08	07/31/08 11:58	8/1/2008 10:34
EPA 310.2	08/06/08	07/30/08 08:41	7/30/2008 11:56
EPA 353.2	08/20/08	07/27/08 10:19	7/27/2008 15:08
EPA 365.4	08/20/08	08/01/08 11:50	8/3/2008 11:12
EPA 6010B	01/19/09	07/25/08 07:10	7/30/2008 11:59
EPA 7470A	08/20/08	07/28/08 06:40	7/28/2008 18:20

Client ID: SW-10 Lab ID: C807924-02RE1 Sampled: 07/23/08 14:20 Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
SM4500-Cl/E	08/20/08	07/30/08 08:43	7/30/2008 13:09

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Client ID: MW-4	Lab ID: C807924-03	Sampled: 07/21/08 09:27	Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	01/17/09			07/28/08	11:50	7/28/2008 14:20
EPA 365.4	08/18/08			08/01/08	11:50	8/3/2008 11:22
EPA 6010B	01/17/09			07/29/08	07:03	7/31/2008 16:33
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:36
EPA 6010B	01/17/09	01/28/09		08/01/08	13:10	8/4/2008 20:36
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:42
EPA 6010B	01/17/09			07/29/08	07:03	7/31/2008 16:33
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:36
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:42
EPA 7470A	08/18/08			07/30/08	15:42	7/31/2008 15:37
EPA 7470A	08/18/08			07/31/08	10:00	7/31/2008 16:06
EPA 7471A	08/18/08			07/31/08	07:23	7/31/2008 11:20
EPA 9056	07/24/08	08/07/08	11:25	08/05/08	11:25	8/6/2008 00:27
EPA 9056	07/24/08	09/02/08		08/05/08	11:25	8/6/2008 00:27

Client ID: MW-4	Lab ID: C807924-03RE1	Sampled: 07/21/08 09:27	Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 310.2	08/04/08	08/05/08	11:25	8/6/2008 12:41

Client ID: MW-5D	Lab ID: C807924-04	Sampled: 07/21/08 13:00	Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	01/17/09			07/28/08	11:50	7/28/2008 14:20
EPA 310.2	08/04/08			08/05/08	11:25	8/6/2008 09:43
EPA 365.4	08/18/08			08/01/08	11:50	8/3/2008 11:26
EPA 6010B	01/17/09			07/29/08	07:03	7/31/2008 17:46
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:50
EPA 6010B	01/17/09	01/28/09		08/01/08	13:10	8/4/2008 20:50
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:56
EPA 6010B	01/17/09			07/29/08	07:03	7/31/2008 17:46
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:50
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 20:56
EPA 7470A	08/18/08			07/30/08	15:42	7/31/2008 15:39
EPA 7470A	08/18/08			07/31/08	10:00	7/31/2008 16:07
EPA 7471A	08/18/08			07/31/08	07:23	7/31/2008 12:03
EPA 9056	07/24/08	08/07/08	11:25	08/05/08	11:25	8/6/2008 00:56
EPA 9056	07/24/08	09/02/08		08/05/08	11:25	8/6/2008 00:56

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Client ID: MW-5D	Lab ID: C807924-05	Sampled: 07/21/08 13:07	Received: 07/24/08 10:45

Parameter	Hold Date/Time(s)			Prep Date/Time(s)		Analysis Date/Time(s)
% Solids	01/17/09			07/28/08	11:50	7/28/2008 14:20
EPA 310.2	08/04/08			08/05/08	11:25	8/6/2008 09:43
EPA 365.4	08/18/08			08/01/08	11:50	8/3/2008 11:28
EPA 6010B	01/17/09			07/29/08	07:03	7/31/2008 17:53
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 21:03
EPA 6010B	01/17/09	01/28/09		08/01/08	13:10	8/4/2008 21:03
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 21:10
EPA 6010B	01/17/09			07/29/08	07:03	7/31/2008 17:53
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 21:03
EPA 6010B	01/17/09			08/01/08	13:10	8/4/2008 21:10
EPA 7470A	08/18/08			07/30/08	15:42	7/31/2008 15:41
EPA 7470A	08/18/08			07/31/08	10:00	7/31/2008 16:09
EPA 7471A	08/18/08			07/31/08	07:23	7/31/2008 12:06
EPA 9056	07/24/08	08/07/08	11:25	08/05/08	11:25	8/6/2008 01:26
EPA 9056	07/24/08	09/02/08		08/05/08	11:25	8/6/2008 01:26

SAMPLE DETECTION SUMMARY

Client ID: FS-6 Lab ID: C807924-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	595	B	100	ug/L	EPA 6010B	
Barium	68.5		10.0	ug/L	EPA 6010B	
Boron	33.7	J	50.0	ug/L	EPA 6010B	
Calcium	19000		100	ug/L	EPA 6010B	
Cobalt	9.5	J	10.0	ug/L	EPA 6010B	
Copper	106		10.0	ug/L	EPA 6010B	
Iron	2950		50	ug/L	EPA 6010B	
Lead	22.0		10.0	ug/L	EPA 6010B	
Magnesium	3560		100	ug/L	EPA 6010B	
Manganese	112		10.0	ug/L	EPA 6010B	
Nickel	9.1	J	10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.025	JB	0.10	mg/L	EPA 353.2	J-01a
Potassium	2280		500	ug/L	EPA 6010B	
Sodium	55300		500	ug/L	EPA 6010B	
Sulfate as SO4	56		5.0	mg/L	EPA 300.0	
Total Dissolved Solids	270		10	mg/L	EPA 160.1	
Total Suspended Solids	1.7		1.0	mg/L	EPA 160.2	
Zinc	55.2		10.0	ug/L	EPA 6010B	

Client ID: FS-6 Lab ID: C807924-01RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Chloride	89	B	5.0	mg/L	SM4500-Cl/E	QB-01

Client ID: SW-10 Lab ID: C807924-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	634	B	100	ug/L	EPA 6010B	
Antimony	2.1	J	10.0	ug/L	EPA 6010B	
Barium	38.4		10.0	ug/L	EPA 6010B	
Beryllium	0.10	J	1.00	ug/L	EPA 6010B	
Boron	36.1	J	50.0	ug/L	EPA 6010B	
Calcium	20200		100	ug/L	EPA 6010B	
Cobalt	7.7	J	10.0	ug/L	EPA 6010B	
Fluoride	0.21	B	0.20	mg/L	EPA 300.0	QB-01
Iron	422		50	ug/L	EPA 6010B	
Magnesium	8170		100	ug/L	EPA 6010B	
Manganese	407		10.0	ug/L	EPA 6010B	
Nickel	13.8		10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.10	B	0.10	mg/L	EPA 353.2	J-01a
Potassium	2350		500	ug/L	EPA 6010B	
Sodium	14600		500	ug/L	EPA 6010B	
Sulfate as SO4	93		5.0	mg/L	EPA 300.0	
Total Dissolved Solids	190		10	mg/L	EPA 160.1	
Total Suspended Solids	7.6		1.0	mg/L	EPA 160.2	
Zinc	33.8		10.0	ug/L	EPA 6010B	

Client ID: SW-10 Lab ID: C807924-02RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Chloride	22	B	5.0	mg/L	SM4500-Cl/E	QB-01

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Client ID: MW-4 Lab ID: C807924-03

Analyte	Results	Flag	MRL	Units	Method	Notes
% Solids	77		0.1	% by Weight	% Solids	
Aluminum	0.798	B	0.200	mg/L	EPA 6010B	QB-01
Aluminum	0.396	J	1.00	mg/L	EPA 6010B	
Aluminum	543	B	6.5	mg/kg dry	EPA 6010B	
Arsenic	0.26	JB	0.65	mg/kg dry	EPA 6010B	
Barium	0.0208	B	0.0100	mg/L	EPA 6010B	J-01
Barium	0.378	B	0.0500	mg/L	EPA 6010B	J-01
Barium	3.37		0.653	mg/kg dry	EPA 6010B	
Boron	0.423	B	0.250	mg/L	EPA 6010B	J-01
Boron	0.53	JB	3.27	mg/kg dry	EPA 6010B	
Boron	0.101	B	0.0500	mg/L	EPA 6010B	J-01
Calcium	6.25	B	2.50	mg/L	EPA 6010B	J-01
Calcium	68.0		32.7	mg/kg dry	EPA 6010B	
Calcium	0.878	B	0.500	mg/L	EPA 6010B	J-01
Chloride	25	J	65	mg/kg dry wt. dry	EPA 9056	Q
Chromium	0.00248	JB	0.0100	mg/L	EPA 6010B	J-01
Chromium	0.00605	J	0.0500	mg/L	EPA 6010B	
Chromium	2.20		0.65	mg/kg dry	EPA 6010B	
Cobalt	0.0316	J	0.0500	mg/L	EPA 6010B	
Cobalt	1.49		0.65	mg/kg dry	EPA 6010B	
Cobalt	0.0097	J	0.0100	mg/L	EPA 6010B	
Fluoride	0.65	JB	2.6	mg/kg dry wt. dry	EPA 9056	J-01a, Q
Iron	0.261		0.0500	mg/L	EPA 6010B	
Iron	0.346		0.250	mg/L	EPA 6010B	
Iron	566		3.3	mg/kg dry	EPA 6010B	
Lead	0.0107	J	0.0500	mg/L	EPA 6010B	
Lead	0.47	J	0.65	mg/kg dry	EPA 6010B	
Magnesium	0.623	B	0.500	mg/L	EPA 6010B	J-01
Magnesium	1.25	JB	2.50	mg/L	EPA 6010B	J-01
Magnesium	98.2		6.5	mg/kg dry	EPA 6010B	
Manganese	3.94		0.653	mg/kg dry	EPA 6010B	
Manganese	0.0217	J	0.0500	mg/L	EPA 6010B	
Manganese	0.0064	J	0.0100	mg/L	EPA 6010B	
Nickel	3.32		0.65	mg/kg dry	EPA 6010B	
Nickel	0.0611	JB	0.250	mg/L	EPA 6010B	J-01
Nickel	0.0254	JB	0.0500	mg/L	EPA 6010B	QB-01
Nitrate as N	4.4	J	13	mg/kg dry wt. dry	EPA 9056	Q
Phosphorus	24		10	mg/kg dry	EPA 365.4	
Potassium	57.6	B	32.7	mg/kg dry	EPA 6010B	
Potassium	1.46	JB	2.50	mg/L	EPA 6010B	J-01
Potassium	0.226	JB	0.500	mg/L	EPA 6010B	J-01
Silver	0.0007	J	0.0100	mg/L	EPA 6010B	
Silver	0.0022	J	0.0500	mg/L	EPA 6010B	
Sodium	1310	B	2.50	mg/L	EPA 6010B	J-01
Sodium	4.11	B	0.500	mg/L	EPA 6010B	J-01
Sodium	31	JB	33	mg/kg dry	EPA 6010B	
Sulfate as SO4	150	B	65	mg/kg dry wt. dry	EPA 9056	J-01a, Q
Vanadium	0.0017	J	0.0100	mg/L	EPA 6010B	
Vanadium	1.99	B	0.653	mg/kg dry	EPA 6010B	

Client ID: MW-4 Lab ID: C807924-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Zinc	0.166	B	0.100	mg/L	EPA 6010B	J-01
Zinc	3.75		0.653	mg/kg dry	EPA 6010B	
Zinc	0.0139	JB	0.0200	mg/L	EPA 6010B	J-01

Client ID: MW-4 Lab ID: C807924-03RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Total Alkalinity	110	JB	200	mg/kg dry	EPA 310.2	J-01a, Q

Client ID: MW-5D Lab ID: C807924-04

Analyte	Results	Flag	MRL	Units	Method	Notes
% Solids	78		0.1	% by Weight	% Solids	
Aluminum	1.09		1.00	mg/L	EPA 6010B	
Aluminum	8570	B	6.4	mg/kg dry	EPA 6010B	
Aluminum	4.31	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.62	JB	0.64	mg/kg dry	EPA 6010B	
Arsenic	0.00306	J	0.0100	mg/L	EPA 6010B	
Arsenic	3.87	B	0.64	mg/kg dry	EPA 6010B	
Barium	0.0516	B	0.0100	mg/L	EPA 6010B	J-01
Barium	39.3		0.640	mg/kg dry	EPA 6010B	
Barium	0.813	B	0.0500	mg/L	EPA 6010B	J-01
Beryllium	0.110		0.064	mg/kg dry	EPA 6010B	
Boron	2.57	JB	3.20	mg/kg dry	EPA 6010B	
Boron	0.111	B	0.0500	mg/L	EPA 6010B	J-01
Boron	0.490	B	0.250	mg/L	EPA 6010B	J-01
Cadmium	0.0012	J	0.0050	mg/L	EPA 6010B	
Calcium	64.2		32.0	mg/kg dry	EPA 6010B	
Calcium	9.12	B	2.50	mg/L	EPA 6010B	J-01
Calcium	1.60	B	0.500	mg/L	EPA 6010B	J-01
Chloride	22	J	64	mg/kg dry wt. dry	EPA 9056	Q
Chromium	22.3		0.64	mg/kg dry	EPA 6010B	
Chromium	0.00808	JB	0.0100	mg/L	EPA 6010B	J-01
Chromium	0.00526	J	0.0500	mg/L	EPA 6010B	
Cobalt	7.17		0.64	mg/kg dry	EPA 6010B	
Cobalt	0.0472	J	0.0500	mg/L	EPA 6010B	
Cobalt	0.0011	J	0.0100	mg/L	EPA 6010B	
Copper	0.0198	J	0.0500	mg/L	EPA 6010B	
Copper	10.9		0.640	mg/kg dry	EPA 6010B	
Iron	9380		3.2	mg/kg dry	EPA 6010B	
Iron	2.19		0.0500	mg/L	EPA 6010B	
Iron	0.110	J	0.250	mg/L	EPA 6010B	
Lead	0.0021	J	0.0100	mg/L	EPA 6010B	
Lead	9.10		0.64	mg/kg dry	EPA 6010B	
Lead	0.0175	J	0.0500	mg/L	EPA 6010B	
Magnesium	0.979	B	0.500	mg/L	EPA 6010B	J-01
Magnesium	4.19	B	2.50	mg/L	EPA 6010B	J-01
Magnesium	944		6.4	mg/kg dry	EPA 6010B	
Manganese	31.2		0.640	mg/kg dry	EPA 6010B	
Manganese	0.0516		0.0500	mg/L	EPA 6010B	
Manganese	0.0034	J	0.0100	mg/L	EPA 6010B	
Mercury	0.008	J	0.01	mg/kg dry	EPA 7471A	
Nickel	0.0679	JB	0.250	mg/L	EPA 6010B	J-01

Client ID: MW-5D Lab ID: C807924-04

Analyte	Results	Flag	MRL	Units	Method	Notes
Nickel	0.0024	JB	0.0500	mg/L	EPA 6010B	J-01
Nickel	13.2		0.64	mg/kg dry	EPA 6010B	
Nitrate as N	4.3	J	13	mg/kg dry wt. dry	EPA 9056	Q
Phosphorus	96		10	mg/kg dry	EPA 365.4	
Potassium	0.714	B	0.500	mg/L	EPA 6010B	J-01
Potassium	851	B	32.0	mg/kg dry	EPA 6010B	
Potassium	1.90	JB	2.50	mg/L	EPA 6010B	J-01
Sodium	1300	B	2.50	mg/L	EPA 6010B	J-01
Sodium	101	B	32	mg/kg dry	EPA 6010B	
Sodium	21.4	B	0.500	mg/L	EPA 6010B	J-01
Sulfate as SO4	71	B	64	mg/kg dry wt. dry	EPA 9056	J-01a, Q
Vanadium	28.4	B	0.640	mg/kg dry	EPA 6010B	
Vanadium	0.0089	J	0.0100	mg/L	EPA 6010B	
Zinc	0.255	B	0.100	mg/L	EPA 6010B	J-01
Zinc	26.7		0.640	mg/kg dry	EPA 6010B	
Zinc	0.0123	JB	0.0200	mg/L	EPA 6010B	J-01

Client ID: MW-5D Lab ID: C807924-05

Analyte	Results	Flag	MRL	Units	Method	Notes
% Solids	81		0.1	% by Weight	% Solids	
Aluminum	0.800	B	0.200	mg/L	EPA 6010B	QB-01
Aluminum	0.153	J	1.00	mg/L	EPA 6010B	
Aluminum	459	B	6.2	mg/kg dry	EPA 6010B	
Antimony	0.37	JB	0.62	mg/kg dry	EPA 6010B	
Arsenic	0.73	B	0.62	mg/kg dry	EPA 6010B	
Barium	0.0352	B	0.0100	mg/L	EPA 6010B	J-01
Barium	0.336	B	0.0500	mg/L	EPA 6010B	J-01
Barium	2.52		0.615	mg/kg dry	EPA 6010B	
Boron	0.60	JB	3.08	mg/kg dry	EPA 6010B	
Boron	0.102	B	0.0500	mg/L	EPA 6010B	J-01
Boron	0.334	B	0.250	mg/L	EPA 6010B	J-01
Calcium	123		30.8	mg/kg dry	EPA 6010B	
Calcium	2.27	B	0.500	mg/L	EPA 6010B	J-01
Calcium	6.62	B	2.50	mg/L	EPA 6010B	J-01
Chloride	21	J	62	mg/kg dry wt. dry	EPA 9056	Q
Chromium	0.00257	JB	0.0100	mg/L	EPA 6010B	J-01
Chromium	1.63		0.62	mg/kg dry	EPA 6010B	
Cobalt	0.0055	J	0.0500	mg/L	EPA 6010B	
Cobalt	0.0004	J	0.0100	mg/L	EPA 6010B	
Cobalt	0.63		0.62	mg/kg dry	EPA 6010B	
Fluoride	0.49	JB	2.5	mg/kg dry wt. dry	EPA 9056	J-01a, Q
Iron	1.82		0.250	mg/L	EPA 6010B	
Iron	0.529		0.0500	mg/L	EPA 6010B	
Iron	974		3.1	mg/kg dry	EPA 6010B	
Lead	0.84		0.62	mg/kg dry	EPA 6010B	
Magnesium	1.13	JB	2.50	mg/L	EPA 6010B	J-01
Magnesium	99.4		6.2	mg/kg dry	EPA 6010B	
Magnesium	0.578	B	0.500	mg/L	EPA 6010B	J-01
Manganese	0.0564		0.0500	mg/L	EPA 6010B	

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Client ID: MW-5D Lab ID: G807924-05

Analyte	Results	Flag	MRL	Units	Method	Notes
Manganese	0.0073	J	0.0100	mg/L	EPA 6010B	
Manganese	7.52		0.615	mg/kg dry	EPA 6010B	
Nickel	0.0120	JB	0.250	mg/L	EPA 6010B	J-01
Nickel	0.0019	JB	0.0500	mg/L	EPA 6010B	J-01
Nickel	1.17		0.62	mg/kg dry	EPA 6010B	
Nitrate as N	4.3	J	12	mg/kg dry wt. dry	EPA 9056	Q
Phosphorus	50		9.8	mg/kg dry	EPA 365.4	
Potassium	86.5	B	30.8	mg/kg dry	EPA 6010B	
Potassium	1.35	JB	2.50	mg/L	EPA 6010B	J-01
Potassium	0.257	JB	0.500	mg/L	EPA 6010B	J-01
Silver	0.0006	J	0.0100	mg/L	EPA 6010B	
Sodium	70	B	31	mg/kg dry	EPA 6010B	
Sodium	16.2	B	0.500	mg/L	EPA 6010B	J-01
Sodium	1320	B	2.50	mg/L	EPA 6010B	J-01
Sulfate as SO4	100	B	62	mg/kg dry wt. dry	EPA 9056	J-01a, Q
Vanadium	1.89	B	0.615	mg/kg dry	EPA 6010B	
Vanadium	0.0017	J	0.0100	mg/L	EPA 6010B	
Zinc	0.180	B	0.100	mg/L	EPA 6010B	J-01
Zinc	3.16		0.615	mg/kg dry	EPA 6010B	
Zinc	0.0165	JB	0.0200	mg/L	EPA 6010B	J-01

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ANALYTICAL RESULTS

Description: FS-6
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807924-01
Sampled: 07/23/08 12:30
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**595**	B	ug/L	1	17	100	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Barium [7440-39-3] ^	**68.5**		ug/L	1	1.00	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Boron [7440-42-8] ^	**33.7**	J	ug/L	1	5.0	50.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Calcium [7440-70-2] ^	**19000**		ug/L	1	20.0	100	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Cobalt [7440-48-4] ^	**9.5**	J	ug/L	1	1.1	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Copper [7440-50-8] ^	**106**		ug/L	1	1.60	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Iron [7439-89-6] ^	**2950**		ug/L	1	22	50	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Lead [7439-92-1] ^	**22.0**		ug/L	1	1.9	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Magnesium [7439-95-4] ^	**3560**		ug/L	1	23	100	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Manganese [7439-96-5] ^	**112**		ug/L	1	1.1	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G26002	EPA 7470A	07/28/08 18:15	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Nickel [7440-02-0] ^	**9.1**	J	ug/L	1	1.8	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Potassium [7440-09-7] ^	**2280**		ug/L	1	150	500	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Sodium [7440-23-5] ^	**55300**		ug/L	1	400	500	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	
Zinc [7440-66-6] ^	**55.2**		ug/L	1	3.8	10.0	8G25002	EPA 6010B	07/30/08 11:52	VLO	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**89**	B	mg/L	1	0.50	5.0	8G30008	SM4500-Cl/E	07/30/08 13:09	PEV	QB-01
Fluoride [16984-48-8]	0.01	U	mg/L	1	0.01	0.20	8G31030	EPA 300.0	08/01/08 10:04	AJ	
Nitrate/Nitrite as N [NA]	**0.025**	JB	mg/L	1	0.017	0.10	8G27003	EPA 353.2	07/27/08 15:07	PEV	J-01a
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8G31035	EPA 365.4	08/03/08 11:09	PEV	
Sulfate as SO4 [14808-79-8]	**56**		mg/L	1	0.05	5.0	8G31030	EPA 300.0	08/01/08 10:04	AJ	
Total Alkalinity [NA]	2.7	U	mg/L	1	2.7	15	8G30007	EPA 310.2	07/30/08 11:54	aj	
Total Dissolved Solids [NA]	**270**		mg/L	1	10	10	8G28006	EPA 160.1	07/30/08 16:30	JOC	
Total Suspended Solids [NA]	**1.7**		mg/L	1	1.0	1.0	8G28012	EPA 160.2	07/31/08 10:00	FLT	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: SW-10
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807924-02
Sampled: 07/23/08 14:20
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**634**	B	ug/L	1	17	100	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Antimony [7440-36-0] ^	**2.1**	J	ug/L	1	1.0	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Barium [7440-39-3] ^	**38.4**		ug/L	1	1.00	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Beryllium [7440-41-7] ^	**0.10**	J	ug/L	1	0.10	1.00	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Boron [7440-42-8] ^	**36.1**	J	ug/L	1	5.0	50.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Calcium [7440-70-2] ^	**20200**		ug/L	1	20.0	100	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Cobalt [7440-48-4] ^	**7.7**	J	ug/L	1	1.1	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Iron [7439-89-6] ^	**422**		ug/L	1	22	50	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Magnesium [7439-95-4] ^	**8170**		ug/L	1	23	100	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Manganese [7439-96-5] ^	**407**		ug/L	1	1.1	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G26002	EPA 7470A	07/28/08 18:20	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Nickel [7440-02-0] ^	**13.8**		ug/L	1	1.8	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Potassium [7440-09-7] ^	**2350**		ug/L	1	150	500	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Sodium [7440-23-5] ^	**14600**		ug/L	1	400	500	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	
Zinc [7440-66-6] ^	**33.8**		ug/L	1	3.8	10.0	8G25002	EPA 6010B	07/30/08 11:59	VLO	

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**22**	B	mg/L	1	0.50	5.0	8G30008	SM4500-Cl/E	07/30/08 13:09	PEV	QB-01
Fluoride [16984-48-8]	**0.21**	B	mg/L	1	0.01	0.20	8G31030	EPA 300.0	08/01/08 10:34	AJ	QB-01
Nitrate/Nitrite as N [NA]	**0.10**	B	mg/L	1	0.017	0.10	8G27003	EPA 353.2	07/27/08 15:08	PEV	J-01a
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8G31035	EPA 365.4	08/03/08 11:12	PEV	
Sulfate as SO4 [14808-79-8]	**93**		mg/L	1	0.05	5.0	8G31030	EPA 300.0	08/01/08 10:34	AJ	
Total Alkalinity [NA]	2.7	U	mg/L	1	2.7	15	8G30007	EPA 310.2	07/30/08 11:56	aj	
Total Dissolved Solids [NA]	**190**		mg/L	1	10	10	8G28006	EPA 160.1	07/30/08 16:30	JOC	
Total Suspended Solids [NA]	**7.6**		mg/L	1	1.0	1.0	8G28012	EPA 160.2	07/31/08 10:00	FLT	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description:	MW-4	**Lab Sample ID:**	C807924-03	**Received:**	07/24/08 10:45
Matrix:	Soil	**Sampled:**	07/21/08 09:27	**Work Order:**	C807924
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	76.5

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**543**	B	mg/kg dry	1	2.7	6.5	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Antimony [7440-36-0] ^	0.14	U	mg/kg dry	1	0.14	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Arsenic [7440-38-2] ^	**0.26**	JB	mg/kg dry	1	0.08	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Barium [7440-39-3] ^	**3.37**		mg/kg dry	1	0.065	0.653	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Beryllium [7440-41-7] ^	0.016	U	mg/kg dry	1	0.016	0.065	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Boron [7440-42-8] ^	**0.53**	JB	mg/kg dry	1	0.33	3.27	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Cadmium [7440-43-9] ^	0.013	U	mg/kg dry	1	0.013	0.065	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Calcium [7440-70-2] ^	**68.0**		mg/kg dry	1	7.32	32.7	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Chromium [7440-47-3] ^	**2.20**		mg/kg dry	1	0.07	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Cobalt [7440-48-4] ^	**1.49**		mg/kg dry	1	0.07	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Copper [7440-50-8] ^	0.248	U	mg/kg dry	1	0.248	0.653	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Iron [7439-89-6] ^	**566**		mg/kg dry	1	0.6	3.3	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Lead [7439-92-1] ^	**0.47**	J	mg/kg dry	1	0.16	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Magnesium [7439-95-4] ^	**98.2**		mg/kg dry	1	0.8	6.5	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Manganese [7439-96-5] ^	**3.94**		mg/kg dry	1	0.064	0.653	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Mercury [7439-97-6] ^	0.007	U	mg/kg dry	1	0.007	0.01	8G29003	EPA 7471A	07/31/08 11:20	MPL	
Molybdenum [7439-98-7] ^	0.08	U	mg/kg dry	1	0.08	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Nickel [7440-02-0] ^	**3.32**		mg/kg dry	1	0.47	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Potassium [7440-09-7] ^	**57.6**	B	mg/kg dry	1	5.2	32.7	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Selenium [7782-49-2] ^	0.13	U	mg/kg dry	1	0.13	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Silver [7440-22-4] ^	0.07	U	mg/kg dry	1	0.07	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Sodium [7440-23-5] ^	**31**	JB	mg/kg dry	1	8	33	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Thallium [7440-28-0] ^	0.26	U	mg/kg dry	1	0.26	0.65	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Vanadium [7440-62-2] ^	**1.99**	B	mg/kg dry	1	0.065	0.653	8G29002	EPA 6010B	07/31/08 16:33	VLO	
Zinc [7440-66-6] ^	**3.75**		mg/kg dry	1	0.065	0.653	8G29002	EPA 6010B	07/31/08 16:33	VLO	

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Description: MW-4
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C807924-03
Sampled: 07/21/08 09:27
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924
% Solids: 76.5

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	**77**		% by Weight	1	0.1	0.1	8G28022	% Solids	07/28/08 14:20	GPW	
Chloride [16887-00-6]	**25**	J	mg/kg dry wt. dry	1	6.5	65	8H05022	EPA 9056	08/06/08 00:27	AJ	Q
Fluoride [16984-48-8]	**0.65**	JB	mg/kg dry wt. dry	1	0.18	2.6	8H05022	EPA 9056	08/06/08 00:27	AJ	J-01a, Q
Nitrate as N [14797-55-8]	**4.4**	J	mg/kg dry wt. dry	1	1.3	13	8H05022	EPA 9056	08/06/08 00:27	AJ	Q
Nitrite as N [14797-65-0]	0.18	U	mg/kg dry wt. dry	1	0.18	1.3	8H05022	EPA 9056	08/06/08 00:27	AJ	Q
Phosphorus [7723-14-0]	**24**		mg/kg dry	1	8.2	10	8G31037	EPA 365.4	08/03/08 11:22	PEV	
Sulfate as SO4 [14808-79-8]	**150**	B	mg/kg dry wt. dry	1	6.5	65	8H05022	EPA 9056	08/06/08 00:27	AJ	J-01a, Q
Total Alkalinity [NA]	**110**	JB	mg/kg dry	1	61	200	8H06006	EPA 310.2	08/06/08 12:41	AJ	J-01a, Q

TCLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**0.396**	J	mg/L	1	0.110	1.00	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Antimony [7440-36-0] ^	0.0155	U	mg/L	1	0.0155	0.100	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Arsenic [7440-38-2] ^	0.0120	U	mg/L	1	0.0120	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Barium [7440-39-3] ^	**0.378**	B	mg/L	1	0.00215	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Beryllium [7440-41-7] ^	0.0008	U	mg/L	1	0.0008	0.0050	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Boron [7440-42-8] ^	**0.423**	B	mg/L	1	0.0475	0.250	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Cadmium [7440-43-9] ^	0.0009	U	mg/L	1	0.0009	0.0050	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Calcium [7440-70-2] ^	**6.25**	B	mg/L	1	0.0650	2.50	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Chromium [7440-47-3] ^	**0.00605**	J	mg/L	1	0.00215	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Cobalt [7440-48-4] ^	**0.0316**	J	mg/L	1	0.0012	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Copper [7440-50-8] ^	0.0060	U	mg/L	1	0.0060	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Iron [7439-89-6] ^	**0.346**		mg/L	1	0.0240	0.250	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Lead [7439-92-1] ^	**0.0107**	J	mg/L	1	0.0080	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Magnesium [7439-95-4] ^	**1.25**	JB	mg/L	1	0.0750	2.50	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Manganese [7439-96-5] ^	**0.0217**	J	mg/L	1	0.0038	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Mercury [7439-97-6] ^	0.00054	U	mg/L	1	0.00054	0.00200	8G30020	EPA 7470A	07/31/08 16:06	GMB	
Molybdenum [7439-98-7] ^	0.0034	U	mg/L	1	0.0034	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Nickel [7440-02-0] ^	**0.0611**	JB	mg/L	1	0.0041	0.250	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Potassium [7440-09-7] ^	**1.46**	JB	mg/L	1	0.270	2.50	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Selenium [7782-49-2] ^	0.0185	U	mg/L	1	0.0185	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Silver [7440-22-4] ^	**0.0022**	J	mg/L	1	0.0020	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Sodium [7440-23-5] ^	**1310**	B	mg/L	1	0.190	2.50	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01
Thallium [7440-28-0] ^	0.0255	U	mg/L	1	0.0255	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Vanadium [7440-62-2] ^	0.0022	U	mg/L	1	0.0022	0.0500	8H01014	EPA 6010B	08/04/08 20:42	ACV	
Zinc [7440-66-6] ^	**0.166**	B	mg/L	1	0.0145	0.100	8H01014	EPA 6010B	08/04/08 20:42	ACV	J-01

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Description:	MW-4	**Lab Sample ID:**	C807924-03	**Received:**	07/24/08 10:45
Matrix:	Soil	**Sampled:**	07/21/08 09:27	**Work Order:**	C807924
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	76.5

SPLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**0.798**	B	mg/L	1	0.0220	0.200	8H01014	EPA 6010B	08/04/08 20:36	ACV	QB-01
Antimony [7440-36-0] ^	0.00310	U	mg/L	1	0.00310	0.0200	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Arsenic [7440-38-2] ^	0.00240	U	mg/L	1	0.00240	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Barium [7440-39-3] ^	**0.0208**	B	mg/L	1	0.00043	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Boron [7440-42-8] ^	**0.101**	B	mg/L	1	0.0095	0.0500	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Calcium [7440-70-2] ^	**0.878**	B	mg/L	1	0.0130	0.500	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Chromium [7440-47-3] ^	**0.00248**	JB	mg/L	1	0.00043	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Cobalt [7440-48-4] ^	**0.0097**	J	mg/L	1	0.0002	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Iron [7439-89-6] ^	**0.261**		mg/L	1	0.0048	0.0500	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Magnesium [7439-95-4] ^	**0.623**	B	mg/L	1	0.0150	0.500	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Manganese [7439-96-5] ^	**0.0064**	J	mg/L	1	0.0008	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8G30019	EPA 7470A	07/31/08 15:37	AA	
Molybdenum [7439-98-7] ^	0.0007	U	mg/L	1	0.0007	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Nickel [7440-02-0] ^	**0.0254**	JB	mg/L	1	0.0004	0.0500	8H01014	EPA 6010B	08/04/08 20:36	ACV	QB-01
Potassium [7440-09-7] ^	**0.226**	JB	mg/L	1	0.0540	0.500	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Selenium [7782-49-2] ^	0.0037	U	mg/L	1	0.0037	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Silver [7440-22-4] ^	**0.0007**	J	mg/L	1	0.0004	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Sodium [7440-23-5] ^	**4.11**	B	mg/L	1	0.0380	0.500	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Vanadium [7440-62-2] ^	**0.0017**	J	mg/L	1	0.0004	0.0100	8H01014	EPA 6010B	08/04/08 20:36	ACV	
Zinc [7440-66-6] ^	**0.0139**	JB	mg/L	1	0.0029	0.0200	8H01014	EPA 6010B	08/04/08 20:36	ACV	J-01

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Description: MW-5D
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C807924-04
Sampled: 07/21/08 13:00
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924
% Solids: 78.1

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**8570**	B	mg/kg dry	1	2.7	6.4	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Antimony [7440-36-0] ^	**0.62**	JB	mg/kg dry	1	0.14	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Arsenic [7440-38-2] ^	**3.87**	B	mg/kg dry	1	0.08	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Barium [7440-39-3] ^	**39.3**		mg/kg dry	1	0.064	0.640	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Beryllium [7440-41-7] ^	**0.110**		mg/kg dry	1	0.015	0.064	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Boron [7440-42-8] ^	**2.57**	JB	mg/kg dry	1	0.32	3.20	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Cadmium [7440-43-9] ^	0.012	U	mg/kg dry	1	0.012	0.064	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Calcium [7440-70-2] ^	**64.2**		mg/kg dry	1	7.17	32.0	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Chromium [7440-47-3] ^	**22.3**		mg/kg dry	1	0.07	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Cobalt [7440-48-4] ^	**7.17**		mg/kg dry	1	0.06	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Copper [7440-50-8] ^	**10.9**		mg/kg dry	1	0.243	0.640	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Iron [7439-89-6] ^	**9380**		mg/kg dry	1	0.6	3.2	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Lead [7439-92-1] ^	**9.10**		mg/kg dry	1	0.15	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Magnesium [7439-95-4] ^	**944**		mg/kg dry	1	0.8	6.4	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Manganese [7439-96-5] ^	**31.2**		mg/kg dry	1	0.063	0.640	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Mercury [7439-97-6] ^	**0.008**	J	mg/kg dry	1	0.006	0.01	8G29003	EPA 7471A	07/31/08 12:03	MPL	
Molybdenum [7439-98-7] ^	0.08	U	mg/kg dry	1	0.08	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Nickel [7440-02-0] ^	**13.2**		mg/kg dry	1	0.46	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Potassium [7440-09-7] ^	**851**	B	mg/kg dry	1	5.1	32.0	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Selenium [7782-49-2] ^	0.13	U	mg/kg dry	1	0.13	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Sodium [7440-23-5] ^	**101**	B	mg/kg dry	1	8	32	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Thallium [7440-28-0] ^	0.26	U	mg/kg dry	1	0.26	0.64	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Vanadium [7440-62-2] ^	**28.4**	B	mg/kg dry	1	0.064	0.640	8G29002	EPA 6010B	07/31/08 17:46	VLO	
Zinc [7440-66-6] ^	**26.7**		mg/kg dry	1	0.064	0.640	8G29002	EPA 6010B	07/31/08 17:46	VLO	

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Description: MW-5D
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C807924-04
Sampled: 07/21/08 13:00
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924
% Solids: 78.1

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	**78**		% by Weight	1	0.1	0.1	8G28022	% Solids	07/28/08 14:20	GPW	
Chloride [16887-00-6]	**22**	J	mg/kg dry wt. dry	1	6.4	64	8H05022	EPA 9056	08/06/08 00:56	AJ	Q
Fluoride [16984-48-8]	0.18	U	mg/kg dry wt. dry	1	0.18	2.6	8H05022	EPA 9056	08/06/08 00:56	AJ	Q
Nitrate as N [14797-55-8]	**4.3**	J	mg/kg dry wt. dry	1	1.3	13	8H05022	EPA 9056	08/06/08 00:56	AJ	Q
Nitrite as N [14797-65-0]	0.18	U	mg/kg dry wt. dry	1	0.18	1.3	8H05022	EPA 9056	08/06/08 00:56	AJ	Q
Phosphorus [7723-14-0]	**96**		mg/kg dry	1	8.1	10	8G31037	EPA 365.4	08/03/08 11:26	PEV	
Sulfate as SO4 [14808-79-8]	**71**	B	mg/kg dry wt. dry	1	6.4	64	8H05022	EPA 9056	08/06/08 00:56	AJ	J-01a, Q
Total Alkalinity [NA]	60	U	mg/kg dry	1	60	190	8H06006	EPA 310.2	08/06/08 09:43	AJ	Q

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Description:	MW-5D	**Lab Sample ID:**	C807924-04	**Received:**	07/24/08 10:45
Matrix:	Soil	**Sampled:**	07/21/08 13:00	**Work Order:**	C807924
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	78.1

TCLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**1.09**		mg/L	1	0.110	1.00	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Antimony [7440-36-0] ^	0.0155	U	mg/L	1	0.0155	0.100	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Arsenic [7440-38-2] ^	0.0120	U	mg/L	1	0.0120	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Barium [7440-39-3] ^	**0.813**	B	mg/L	1	0.00215	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Beryllium [7440-41-7] ^	0.0008	U	mg/L	1	0.0008	0.0050	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Boron [7440-42-8] ^	**0.490**	B	mg/L	1	0.0475	0.250	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Cadmium [7440-43-9] ^	**0.0012**	J	mg/L	1	0.0009	0.0050	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Calcium [7440-70-2] ^	**9.12**	B	mg/L	1	0.0650	2.50	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Chromium [7440-47-3] ^	**0.00526**	J	mg/L	1	0.00215	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Cobalt [7440-48-4] ^	**0.0472**	J	mg/L	1	0.0012	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Copper [7440-50-8] ^	**0.0198**	J	mg/L	1	0.0060	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Iron [7439-89-6] ^	**0.110**	J	mg/L	1	0.0240	0.250	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Lead [7439-92-1] ^	**0.0175**	J	mg/L	1	0.0080	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Magnesium [7439-95-4] ^	**4.19**	B	mg/L	1	0.0750	2.50	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Manganese [7439-96-5] ^	**0.0516**		mg/L	1	0.0038	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Mercury [7439-97-6] ^	0.00054	U	mg/L	1	0.00054	0.00200	8G30020	EPA 7470A	07/31/08 16:07	GMB	
Molybdenum [7439-98-7] ^	0.0034	U	mg/L	1	0.0034	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Nickel [7440-02-0] ^	**0.0679**	JB	mg/L	1	0.0041	0.250	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Potassium [7440-09-7] ^	**1.90**	JB	mg/L	1	0.270	2.50	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Selenium [7782-49-2] ^	0.0185	U	mg/L	1	0.0185	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Silver [7440-22-4] ^	0.0020	U	mg/L	1	0.0020	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Sodium [7440-23-5] ^	**1300**	B	mg/L	1	0.190	2.50	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01
Thallium [7440-28-0] ^	0.0255	U	mg/L	1	0.0255	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Vanadium [7440-62-2] ^	0.0022	U	mg/L	1	0.0022	0.0500	8H01014	EPA 6010B	08/04/08 20:56	ACV	
Zinc [7440-66-6] ^	**0.255**	B	mg/L	1	0.0145	0.100	8H01014	EPA 6010B	08/04/08 20:56	ACV	J-01

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Description: MW-5D
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C807924-04
Sampled: 07/21/08 13:00
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924
% Solids: 78.1

SPLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**4.31**	B	mg/L	1	0.0220	0.200	8H01014	EPA 6010B	08/04/08 20:50	ACV	QB-01
Antimony [7440-36-0] ^	0.00310	U	mg/L	1	0.00310	0.0200	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Arsenic [7440-38-2] ^	**0.00306**	J	mg/L	1	0.00240	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Barium [7440-39-3] ^	**0.0516**	B	mg/L	1	0.00043	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Boron [7440-42-8] ^	**0.111**	B	mg/L	1	0.0095	0.0500	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Calcium [7440-70-2] ^	**1.60**	B	mg/L	1	0.0130	0.500	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Chromium [7440-47-3] ^	**0.00808**	JB	mg/L	1	0.00043	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Cobalt [7440-48-4] ^	**0.0011**	J	mg/L	1	0.0002	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Iron [7439-89-6] ^	**2.19**		mg/L	1	0.0048	0.0500	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Lead [7439-92-1] ^	**0.0021**	J	mg/L	1	0.0016	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Magnesium [7439-95-4] ^	**0.979**	B	mg/L	1	0.0150	0.500	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Manganese [7439-96-5] ^	**0.0034**	J	mg/L	1	0.0008	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8G30019	EPA 7470A	07/31/08 15:39	AA	
Molybdenum [7439-98-7] ^	0.0007	U	mg/L	1	0.0007	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Nickel [7440-02-0] ^	**0.0024**	JB	mg/L	1	0.0004	0.0500	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Potassium [7440-09-7] ^	**0.714**	B	mg/L	1	0.0540	0.500	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Selenium [7782-49-2] ^	0.0037	U	mg/L	1	0.0037	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Sodium [7440-23-5] ^	**21.4**	B	mg/L	1	0.0380	0.500	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Vanadium [7440-62-2] ^	**0.0089**	J	mg/L	1	0.0004	0.0100	8H01014	EPA 6010B	08/04/08 20:50	ACV	
Zinc [7440-66-6] ^	**0.0123**	JB	mg/L	1	0.0029	0.0200	8H01014	EPA 6010B	08/04/08 20:50	ACV	J-01

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description:	MW-5D	**Lab Sample ID:**	C807924-05	**Received:**	07/24/08 10:45
Matrix:	Soil	**Sampled:**	07/21/08 13:07	**Work Order:**	C807924
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	81.3

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NELAC E87610]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**459**	B	mg/kg dry	1	2.6	6.2	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Antimony [7440-36-0] ^	**0.37**	JB	mg/kg dry	1	0.14	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Arsenic [7440-38-2] ^	**0.73**	B	mg/kg dry	1	0.08	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Barium [7440-39-3] ^	**2.52**		mg/kg dry	1	0.062	0.615	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Beryllium [7440-41-7] ^	0.015	U	mg/kg dry	1	0.015	0.062	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Boron [7440-42-8] ^	**0.60**	JB	mg/kg dry	1	0.31	3.08	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Cadmium [7440-43-9] ^	0.012	U	mg/kg dry	1	0.012	0.062	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Calcium [7440-70-2] ^	**123**		mg/kg dry	1	6.89	30.8	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Chromium [7440-47-3] ^	**1.63**		mg/kg dry	1	0.07	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Cobalt [7440-48-4] ^	**0.63**		mg/kg dry	1	0.06	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Copper [7440-50-8] ^	0.234	U	mg/kg dry	1	0.234	0.615	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Iron [7439-89-6] ^	**974**		mg/kg dry	1	0.6	3.1	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Lead [7439-92-1] ^	**0.84**		mg/kg dry	1	0.15	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Magnesium [7439-95-4] ^	**99.4**		mg/kg dry	1	0.8	6.2	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Manganese [7439-96-5] ^	**7.52**		mg/kg dry	1	0.060	0.615	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Mercury [7439-97-6] ^	0.005	U	mg/kg dry	1	0.005	0.01	8G29003	EPA 7471A	07/31/08 12:06	MPL	
Molybdenum [7439-98-7] ^	0.08	U	mg/kg dry	1	0.08	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Nickel [7440-02-0] ^	**1.17**		mg/kg dry	1	0.44	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Potassium [7440-09-7] ^	**86.5**	B	mg/kg dry	1	4.9	30.8	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Selenium [7782-49-2] ^	0.12	U	mg/kg dry	1	0.12	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Sodium [7440-23-5] ^	**70**	B	mg/kg dry	1	7	31	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Thallium [7440-28-0] ^	0.25	U	mg/kg dry	1	0.25	0.62	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Vanadium [7440-62-2] ^	**1.89**	B	mg/kg dry	1	0.062	0.615	8G29002	EPA 6010B	07/31/08 17:53	VLO	
Zinc [7440-66-6] ^	**3.16**		mg/kg dry	1	0.062	0.615	8G29002	EPA 6010B	07/31/08 17:53	VLO	

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Description: MW-5D
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C807924-05
Sampled: 07/21/08 13:07
Sampled By: Mike Iwashchenko

Received: 07/24/08 10:45
Work Order: C807924
% Solids: 81.3

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
% Solids [NA]	**81**		% by Weight	1	0.1	0.1	8G28022	% Solids	07/28/08 14:20	GPW	
Chloride [16887-00-6]	**21**	J	mg/kg dry wt. dry	1	6.2	62	8H05022	EPA 9056	08/06/08 01:26	AJ	Q
Fluoride [16984-48-8]	**0.49**	JB	mg/kg dry wt. dry	1	0.17	2.5	8H05022	EPA 9056	08/06/08 01:26	AJ	J-01a, Q
Nitrate as N [14797-55-8]	**4.3**	J	mg/kg dry wt. dry	1	1.2	12	8H05022	EPA 9056	08/06/08 01:26	AJ	Q
Nitrite as N [14797-65-0]	0.17	U	mg/kg dry wt. dry	1	0.17	1.2	8H05022	EPA 9056	08/06/08 01:26	AJ	Q
Phosphorus [7723-14-0]	**50**		mg/kg dry	1	7.8	9.8	8G31037	EPA 365.4	08/03/08 11:28	PEV	
Sulfate as SO4 [14808-79-8]	**100**	B	mg/kg dry wt. dry	1	6.2	62	8H05022	EPA 9056	08/06/08 01:26	AJ	J-01a, Q
Total Alkalinity [NA]	58	U	mg/kg dry	1	58	180	8H06006	EPA 310.2	08/06/08 09:43	AJ	Q

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Description:	MW-5D	**Lab Sample ID:**	C807924-05	**Received:**	07/24/08 10:45
Matrix:	Soil	**Sampled:**	07/21/08 13:07	**Work Order:**	C807924
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	81.3

TCLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**0.153**	J	mg/L	1	0.110	1.00	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Antimony [7440-36-0] ^	0.0155	U	mg/L	1	0.0155	0.100	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Arsenic [7440-38-2] ^	0.0120	U	mg/L	1	0.0120	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Barium [7440-39-3] ^	**0.336**	B	mg/L	1	0.00215	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Beryllium [7440-41-7] ^	0.0008	U	mg/L	1	0.0008	0.0050	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Boron [7440-42-8] ^	**0.334**	B	mg/L	1	0.0475	0.250	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Cadmium [7440-43-9] ^	0.0009	U	mg/L	1	0.0009	0.0050	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Calcium [7440-70-2] ^	**6.62**	B	mg/L	1	0.0650	2.50	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Chromium [7440-47-3] ^	0.00215	U	mg/L	1	0.00215	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Cobalt [7440-48-4] ^	**0.0055**	J	mg/L	1	0.0012	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Copper [7440-50-8] ^	0.0060	U	mg/L	1	0.0060	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Iron [7439-89-6] ^	**1.82**		mg/L	1	0.0240	0.250	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Lead [7439-92-1] ^	0.0080	U	mg/L	1	0.0080	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Magnesium [7439-95-4] ^	**1.13**	JB	mg/L	1	0.0750	2.50	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Manganese [7439-96-5] ^	**0.0564**		mg/L	1	0.0038	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Mercury [7439-97-6] ^	0.00054	U	mg/L	1	0.00054	0.00200	8G30020	EPA 7470A	07/31/08 16:09	GMB	
Molybdenum [7439-98-7] ^	0.0034	U	mg/L	1	0.0034	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Nickel [7440-02-0] ^	**0.0120**	JB	mg/L	1	0.0041	0.250	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Potassium [7440-09-7] ^	**1.35**	JB	mg/L	1	0.270	2.50	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Selenium [7782-49-2] ^	0.0185	U	mg/L	1	0.0185	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Silver [7440-22-4] ^	0.0020	U	mg/L	1	0.0020	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Sodium [7440-23-5] ^	**1320**	B	mg/L	1	0.190	2.50	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01
Thallium [7440-28-0] ^	0.0255	U	mg/L	1	0.0255	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Vanadium [7440-62-2] ^	0.0022	U	mg/L	1	0.0022	0.0500	8H01014	EPA 6010B	08/04/08 21:10	ACV	
Zinc [7440-66-6] ^	**0.180**	B	mg/L	1	0.0145	0.100	8H01014	EPA 6010B	08/04/08 21:10	ACV	J-01

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Description:	MW-5D	**Lab Sample ID:**	C807924-05	**Received:**	07/24/08 10:45
Matrix:	Soil	**Sampled:**	07/21/08 13:07	**Work Order:**	C807924
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	81.3

SPLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**0.800**	B	mg/L	1	0.0220	0.200	8H01014	EPA 6010B	08/04/08 21:03	ACV	QB-01
Antimony [7440-36-0] ^	0.00310	U	mg/L	1	0.00310	0.0200	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Arsenic [7440-38-2] ^	0.00240	U	mg/L	1	0.00240	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Barium [7440-39-3] ^	**0.0352**	B	mg/L	1	0.00043	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Boron [7440-42-8] ^	**0.102**	B	mg/L	1	0.0095	0.0500	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Calcium [7440-70-2] ^	**2.27**	B	mg/L	1	0.0130	0.500	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Chromium [7440-47-3] ^	**0.00257**	JB	mg/L	1	0.00043	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Cobalt [7440-48-4] ^	**0.0004**	J	mg/L	1	0.0002	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Iron [7439-89-6] ^	**0.529**		mg/L	1	0.0048	0.0500	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Magnesium [7439-95-4] ^	**0.578**	B	mg/L	1	0.0150	0.500	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Manganese [7439-96-5] ^	**0.0073**	J	mg/L	1	0.0008	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8G30019	EPA 7470A	07/31/08 15:41	AA	
Molybdenum [7439-98-7] ^	0.0007	U	mg/L	1	0.0007	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Nickel [7440-02-0] ^	**0.0019**	JB	mg/L	1	0.0004	0.0500	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Potassium [7440-09-7] ^	**0.257**	JB	mg/L	1	0.0540	0.500	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Selenium [7782-49-2] ^	0.0037	U	mg/L	1	0.0037	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Silver [7440-22-4] ^	**0.0006**	J	mg/L	1	0.0004	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Sodium [7440-23-5] ^	**16.2**	B	mg/L	1	0.0380	0.500	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Vanadium [7440-62-2] ^	**0.0017**	J	mg/L	1	0.0004	0.0100	8H01014	EPA 6010B	08/04/08 21:03	ACV	
Zinc [7440-66-6] ^	**0.0165**	JB	mg/L	1	0.0029	0.0200	8H01014	EPA 6010B	08/04/08 21:03	ACV	J-01

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G25002 - EPA 3005A

Blank (8G25002-BLK1) Prepared: 07/25/2008 07:10 Analyzed: 07/30/2008 11:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	39	J	100	ug/L							
Antimony	1.0	U	10.0	ug/L							
Arsenic	2.8	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.10	U	1.00	ug/L							
Boron	5.0	U	50.0	ug/L							
Cadmium	0.36	U	1.00	ug/L							
Calcium	20.0	U	100	ug/L							
Chromium	1.0	U	10.0	ug/L							
Cobalt	1.1	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22	U	50	ug/L							
Lead	1.9	U	10.0	ug/L							
Magnesium	23	U	100	ug/L							
Manganese	1.1	U	10.0	ug/L							
Molybdenum	2.5	U	10.0	ug/L							
Nickel	1.8	U	10.0	ug/L							
Potassium	150	U	500	ug/L							
Selenium	2.7	U	10.0	ug/L							
Silver	1.9	U	10.0	ug/L							
Sodium	400	U	500	ug/L							
Thallium	4.8	U	10.0	ug/L							
Vanadium	1.4	U	10.0	ug/L							
Zinc	3.8	U	10.0	ug/L							

LCS (8G25002-BS1) Prepared: 07/25/2008 07:10 Analyzed: 07/30/2008 11:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	5040	B	100	ug/L	5000		101	77-130			
Antimony	256		10.0	ug/L	250		102	82-119			
Arsenic	519		10.0	ug/L	500		104	82-117			
Barium	521		10.0	ug/L	500		104	72-125			
Beryllium	264		1.00	ug/L	250		106	75-121			
Boron	524		50.0	ug/L	500		105	75-122			
Cadmium	264		1.00	ug/L	250		106	72-120			
Calcium	5120		100	ug/L	5000		102	81-111			
Chromium	513		10.0	ug/L	500		103	78-119			
Cobalt	505		10.0	ug/L	500		101	76-117			
Copper	255		10.0	ug/L	250		102	80-117			
Iron	5080		50	ug/L	5000		102	84-133			
Lead	509		10.0	ug/L	500		102	72-121			
Magnesium	5180		100	ug/L	5000		104	81-117			
Manganese	256		10.0	ug/L	250		102	76-123			
Molybdenum	243		10.0	ug/L	250		97	83-112			
Nickel	521		10.0	ug/L	500		104	78-116			
Potassium	23300		500	ug/L	25000		93	84-112			
Selenium	524		10.0	ug/L	500		105	82-127			
Silver	48.7		10.0	ug/L	50.0		97	80-128			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G25002 - EPA 3005A

LCS (8G25002-BS1) Continued Prepared: 07/25/2008 07:10 Analyzed: 07/30/2008 11:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	22900		500	ug/L	25000		91	81-120			
Thallium	258		10.0	ug/L	250		103	79-118			
Vanadium	249		10.0	ug/L	250		100	78-117			
Zinc	512		10.0	ug/L	500		102	80-120			

Matrix Spike (8G25002-MS1) Prepared: 07/25/2008 07:10 Analyzed: 07/30/2008 11:36

Source: C807495-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	6460	B	100	ug/L	5000	979	110	78-125			
Antimony	264		10.0	ug/L	250	1.0 U	106	38-138			
Arsenic	527		10.0	ug/L	500	2.8 U	105	64-126			
Barium	593		10.0	ug/L	500	58.8	107	74-119			
Beryllium	268		1.00	ug/L	250	0.10	107	70-131			
Boron	531		50.0	ug/L	500	5.0 U	106	77-114			
Cadmium	267		1.00	ug/L	250	0.36 U	107	68-121			
Calcium	5800		100	ug/L	5000	620	104	63-131			
Chromium	522		10.0	ug/L	500	1.3	104	73-120			
Cobalt	515		10.0	ug/L	500	1.1 U	103	76-120			
Copper	258		10.0	ug/L	250	1.60 U	103	75-123			
Iron	6300		50	ug/L	5000	1150	103	48-144			
Lead	514		10.0	ug/L	500	1.9 U	103	68-126			
Magnesium	6540		100	ug/L	5000	1340	104	59-129			
Manganese	287		10.0	ug/L	250	30.9	102	55-146			
Molybdenum	248		10.0	ug/L	250	2.5 U	99	72-118			
Nickel	530		10.0	ug/L	500	1.8 U	106	64-126			
Potassium	25900		500	ug/L	25000	1190	99	53-121			
Selenium	532		10.0	ug/L	500	2.7 U	106	65-129			
Silver	50.2		10.0	ug/L	50.0	1.9 U	100	69-121			
Sodium	24800		500	ug/L	25000	826	96	29-171			
Thallium	265		10.0	ug/L	250	4.8 U	106	67-135			
Vanadium	254		10.0	ug/L	250	2.3	101	71-130			
Zinc	526		10.0	ug/L	500	5.2	104	63-131			

Matrix Spike Dup (8G25002-MSD1) Prepared: 07/25/2008 07:10 Analyzed: 07/30/2008 11:43

Source: C807495-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	6560	B	100	ug/L	5000	979	112	78-125	2	22	
Antimony	265		10.0	ug/L	250	1.0 U	106	38-138	0.3	30	
Arsenic	529		10.0	ug/L	500	2.8 U	106	64-126	0.5	12	
Barium	596		10.0	ug/L	500	58.8	107	74-119	0.6	11	
Beryllium	270		1.00	ug/L	250	0.10	108	70-131	0.6	21	
Boron	535		50.0	ug/L	500	5.0 U	107	77-114	0.8	11	
Cadmium	270		1.00	ug/L	250	0.36 U	108	68-121	0.8	12	
Calcium	5840		100	ug/L	5000	620	104	63-131	0.8	22	
Chromium	526		10.0	ug/L	500	1.3	105	73-120	0.7	10	
Cobalt	516		10.0	ug/L	500	1.1 U	103	76-120	0.1	17	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G25002 - EPA 3005A

Matrix Spike Dup (8G25002-MSD1) Continued Prepared: 07/25/2008 07:10 Analyzed: 07/30/2008 11:43

Source: C807495-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	260		10.0	ug/L	250	1.60 U	104	75-123	0.7	16	
Iron	6400		50	ug/L	5000	1150	105	48-144	2	23	
Lead	516		10.0	ug/L	500	1.9 U	103	68-126	0.6	19	
Magnesium	6630		100	ug/L	5000	1340	106	59-129	1	22	
Manganese	291		10.0	ug/L	250	30.9	104	55-146	1	19	
Molybdenum	246		10.0	ug/L	250	2.5 U	99	72-118	0.7	12	
Nickel	533		10.0	ug/L	500	1.8 U	107	64-126	0.6	12	
Potassium	26400		500	ug/L	25000	1190	101	53-121	2	20	
Selenium	532		10.0	ug/L	500	2.7 U	106	65-129	0.1	10	
Silver	50.0		10.0	ug/L	50.0	1.9 U	100	69-121	0.4	12	
Sodium	25000		500	ug/L	25000	826	97	29-171	0.7	21	
Thallium	264		10.0	ug/L	250	4.8 U	106	67-135	0.5	13	
Vanadium	257		10.0	ug/L	250	2.3	102	71-130	0.8	16	
Zinc	528		10.0	ug/L	500	5.2	105	63-131	0.4	24	

Batch 8G26002 - EPA 7470A

Blank (8G26002-BLK1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 16:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (8G26002-BS1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 16:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.65		0.20	ug/L	5.00		93	87-123			

Matrix Spike (8G26002-MS1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 17:02

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.55		0.20	ug/L	5.00	0.11 U	91	63-132			

Matrix Spike Dup (8G26002-MSD1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 17:05

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.66		0.20	ug/L	5.00	0.11 U	93	63-132	2	10	

Post Spike (8G26002-PS1) Prepared: 07/26/2008 08:09 Analyzed: 07/28/2008 17:08

Source: C807796-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.59		0.20	ug/L	5.00	-0.01	92	0-200			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G29002 - EPA 3050B

Blank (8G29002-BLK1) Prepared: 07/29/2008 07:03 Analyzed: 07/31/2008 15:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**4.2**	**J**	5.0	mg/kg wet							QB-01
Manganese	0.049	U	0.500	mg/kg wet							
Antimony	**0.16**	**J**	0.50	mg/kg wet							
Arsenic	**0.07**	**J**	0.50	mg/kg wet							
Barium	0.050	U	0.500	mg/kg wet							
Beryllium	0.012	U	0.050	mg/kg wet							
Boron	**0.51**	**J**	2.50	mg/kg wet							
Cadmium	0.010	U	0.050	mg/kg wet							
Calcium	5.60	U	25.0	mg/kg wet							
Chromium	0.05	U	0.50	mg/kg wet							
Cobalt	0.05	U	0.50	mg/kg wet							
Copper	0.190	U	0.500	mg/kg wet							
Iron	0.5	U	2.5	mg/kg wet							
Lead	0.12	U	0.50	mg/kg wet							
Magnesium	0.6	U	5.0	mg/kg wet							
Molybdenum	0.06	U	0.50	mg/kg wet							
Nickel	0.36	U	0.50	mg/kg wet							
Potassium	**16.4**	**J**	25.0	mg/kg wet							
Selenium	0.10	U	0.50	mg/kg wet							
Silver	0.05	U	0.50	mg/kg wet							
Sodium	**11**	**J**	25	mg/kg wet							
Thallium	**0.22**	**J**	0.50	mg/kg wet							
Vanadium	**0.050**	**J**	0.500	mg/kg wet							
Zinc	0.050	U	0.500	mg/kg wet							

LCS (8G29002-BS1) Prepared: 07/29/2008 07:03 Analyzed: 07/31/2008 16:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	229	B	5.0	mg/kg wet	245		93	80-120			
Manganese	11.1		0.500	mg/kg wet	12.3		90	85-115			
Antimony	11.7	B	0.50	mg/kg wet	12.3		96	85-116			
Arsenic	22.3	B	0.50	mg/kg wet	24.5		91	77-125			
Barium	25.0		0.500	mg/kg wet	24.5		102	76-124			
Beryllium	11.6		0.050	mg/kg wet	12.3		95	83-121			
Boron	23.1	B	2.50	mg/kg wet	24.5		94	85-115			
Cadmium	11.9		0.050	mg/kg wet	12.3		97	76-123			
Calcium	229		25.0	mg/kg wet	245		93	89-115			
Chromium	23.0		0.50	mg/kg wet	24.5		94	81-121			
Cobalt	21.8		0.50	mg/kg wet	24.5		89	86-115			
Copper	11.9		0.500	mg/kg wet	12.3		97	81-119			
Iron	233		2.5	mg/kg wet	245		95	79-111			
Lead	21.2		0.50	mg/kg wet	24.5		87	79-127			
Magnesium	225		5.0	mg/kg wet	245		92	86-115			
Molybdenum	9.81		0.50	mg/kg wet	12.3		80	79-121			
Nickel	23.9		0.50	mg/kg wet	24.5		98	80-118			
Potassium	1200	B	25.0	mg/kg wet	1230		98	80-120			
Selenium	22.0		0.50	mg/kg wet	24.5		90	71-118			
Silver	2.29		0.50	mg/kg wet	2.45		93	78-128			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G29002 - EPA 3050B

LCS (8G29002-BS1) Continued Prepared: 07/29/2008 07:03 Analyzed: 07/31/2008 16:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	1160	B	25	mg/kg wet	1230		94	86-108			
Thallium	11.3	B	0.50	mg/kg wet	12.3		92	85-115			
Vanadium	11.2	B	0.500	mg/kg wet	12.3		91	89-112			
Zinc	22.9		0.500	mg/kg wet	24.5		94	76-128			

Matrix Spike (8G29002-MS1) Prepared: 07/29/2008 07:03 Analyzed: 07/31/2008 16:40

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1040	B	6.5	mg/kg dry	317	543	157	35-172			
Manganese	18.1		0.653	mg/kg dry	15.9	3.94	89	75-125			
Antimony	13.4	B	0.65	mg/kg dry	15.9	0.14 U	84	52-147			
Arsenic	29.2	B	0.65	mg/kg dry	31.7	0.26	91	53-153			
Barium	35.1		0.653	mg/kg dry	31.7	3.37	100	46-120			
Beryllium	15.2		0.065	mg/kg dry	15.9	0.016 U	96	41-133			
Boron	29.9	B	3.27	mg/kg dry	31.7	0.53	93	97-103			QM-07
Cadmium	15.3		0.065	mg/kg dry	15.9	0.013 U	97	49-115			
Calcium	375		32.7	mg/kg dry	317	68.0	97	71-121			
Chromium	32.1		0.65	mg/kg dry	31.7	2.20	94	19-142			
Cobalt	29.5		0.65	mg/kg dry	31.7	1.49	88	30-143			
Copper	15.2		0.653	mg/kg dry	15.9	0.248 U	96	35-137			
Iron	883		3.3	mg/kg dry	317	566	100	48-139			
Lead	27.8		0.65	mg/kg dry	31.7	0.47	86	48-121			
Magnesium	399		6.5	mg/kg dry	317	98.2	95	36-149			
Molybdenum	12.1		0.65	mg/kg dry	15.9	0.08 U	76	59-126			
Nickel	34.1		0.65	mg/kg dry	31.7	3.32	97	43-121			
Potassium	1580	B	32.7	mg/kg dry	1590	57.6	96	70-135			
Selenium	28.0		0.65	mg/kg dry	31.7	0.13 U	88	43-126			
Silver	2.73		0.65	mg/kg dry	3.17	0.07 U	86	36-133			
Sodium	1530	B	33	mg/kg dry	1590	31.1	94	45-159			
Thallium	14.0	B	0.65	mg/kg dry	15.9	0.26 U	88	58-118			
Vanadium	16.4	B	0.653	mg/kg dry	15.9	1.99	91	31-142			
Zinc	33.2		0.653	mg/kg dry	31.7	3.75	93	37-138			

Matrix Spike Dup (8G29002-MSD1) Prepared: 07/29/2008 07:03 Analyzed: 07/31/2008 16:47

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	1070	B	6.5	mg/kg dry	317	543	165	35-172	2	32	
Manganese	18.4		0.653	mg/kg dry	15.9	3.94	91	75-125	2	20	
Antimony	13.3	B	0.65	mg/kg dry	15.9	0.14 U	84	52-147	0.05	28	
Arsenic	28.7	B	0.65	mg/kg dry	31.7	0.26	90	53-153	2	22	
Barium	35.4		0.653	mg/kg dry	31.7	3.37	101	46-120	0.8	16	
Beryllium	15.1		0.065	mg/kg dry	15.9	0.016 U	95	41-133	1	26	
Boron	29.8	B	3.27	mg/kg dry	31.7	0.53	92	97-103	0.4	23	QM-07
Cadmium	15.2		0.065	mg/kg dry	15.9	0.013 U	96	49-115	0.8	24	
Calcium	393		32.7	mg/kg dry	317	68.0	103	71-121	5	19	
Chromium	31.6		0.65	mg/kg dry	31.7	2.20	93	19-142	1	24	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8G29002 - EPA 3050B

Matrix Spike Dup (8G29002-MSD1) Continued Prepared: 07/29/2008 07:03 Analyzed: 07/31/2008 16:47

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cobalt	29.2		0.65	mg/kg dry	31.7	1.49	87	30-143	1	17	
Copper	14.9		0.653	mg/kg dry	15.9	0.248 U	94	35-137	2	12	
Iron	916		3.3	mg/kg dry	317	566	110	48-139	4	38	
Lead	27.3		0.65	mg/kg dry	31.7	0.47	85	48-121	2	26	
Magnesium	400		6.5	mg/kg dry	317	98.2	95	36-149	0.2	23	
Molybdenum	11.5		0.65	mg/kg dry	15.9	0.08 U	73	59-126	4	21	
Nickel	34.0		0.65	mg/kg dry	31.7	3.32	97	43-121	0.4	14	
Potassium	1570	B	32.7	mg/kg dry	1590	57.6	95	70-135	1	22	
Selenium	27.5		0.65	mg/kg dry	31.7	0.13 U	87	43-126	2	14	
Silver	2.61		0.65	mg/kg dry	3.17	0.07 U	82	36-133	5	20	
Sodium	1480	B	33	mg/kg dry	1590	31.1	92	45-159	3	21	
Thallium	13.8	B	0.65	mg/kg dry	15.9	0.26 U	87	58-118	2	14	
Vanadium	16.3	B	0.653	mg/kg dry	15.9	1.99	90	31-142	0.8	16	
Zinc	32.9		0.653	mg/kg dry	31.7	3.75	92	37-138	0.8	19	

Batch 8G29003 - EPA 7471A

Blank (8G29003-BLK1) Prepared: 07/31/2008 07:23 Analyzed: 07/31/2008 11:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005	U	0.01	mg/kg wet							

LCS (8G29003-BS1) Prepared: 07/31/2008 07:23 Analyzed: 07/31/2008 11:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.25		0.01	mg/kg wet	0.242		104	81-117			

Matrix Spike (8G29003-MS1) Prepared: 07/31/2008 07:23 Analyzed: 07/31/2008 11:22

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.34		0.01	mg/kg dry	0.321	0.007 U	107	75-125			

Matrix Spike Dup (8G29003-MSD1) Prepared: 07/31/2008 07:23 Analyzed: 07/31/2008 11:24

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.36		0.01	mg/kg dry	0.316	0.007 U	113	75-125	4	9	

Post Spike (8G29003-PS1) Prepared: 07/31/2008 07:23 Analyzed: 07/31/2008 11:27

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500	-0.00008	104	0-200			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G27003 - NO PREP

Blank (8G27003-BLK1) Prepared: 07/27/2008 10:19 Analyzed: 07/27/2008 14:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.031	J	0.10	mg/L							

LCS (8G27003-BS1) Prepared: 07/27/2008 10:19 Analyzed: 07/27/2008 14:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.3	B	0.10	mg/L	1.25		101	80-120			

Matrix Spike (8G27003-MS1) Prepared: 07/27/2008 10:19 Analyzed: 07/28/2008 08:29

Source: C807495-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.1	B	0.10	mg/L	1.28	0.012	82	80-120			

Matrix Spike Dup (8G27003-MSD1) Prepared: 07/27/2008 10:19 Analyzed: 07/28/2008 08:30

Source: C807495-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.1	B	0.10	mg/L	1.28	0.012	83	80-120	1	25	

Batch 8G28006 - NO PREP

Blank (8G28006-BLK1) Prepared: 07/28/2008 17:41 Analyzed: 07/30/2008 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (8G28006-BS1) Prepared: 07/28/2008 17:41 Analyzed: 07/30/2008 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	310		10	mg/L	300		102	90-110			

Duplicate (8G28006-DUP1) Prepared: 07/28/2008 17:41 Analyzed: 07/30/2008 16:30

Source: C807265-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2200		10	mg/L		2100			2	10	

Batch 8G28012 - NO PREP

Blank (8G28012-BLK1) Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	1.0	U	1.0	mg/L							

LCS (8G28012-BS1) Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G28012 - NO PREP

LCS (8G28012-BS1) Continued Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	88		1.0	mg/L	80.0		110	82-119			

Duplicate (8G28012-DUP1) Prepared: 07/28/2008 09:30 Analyzed: 07/31/2008 10:00

Source: C808138-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	21		1.0	mg/L		22			2	10	

Batch 8G28022 - % Solids

Duplicate (8G28022-DUP1) Prepared: 07/28/2008 11:50 Analyzed: 07/28/2008 14:20

Source: C807713-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
% Solids	91		0.1	% by Weight		93			1	10	

Batch 8G30007 - NO PREP

Blank (8G30007-BLK1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	2.7	U	15	mg/L							

LCS (8G30007-BS1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100		15	mg/L	100		104	80-120			

Matrix Spike (8G30007-MS1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:49

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	170		15	mg/L	100	68	98	80-120			

Matrix Spike Dup (8G30007-MSD1) Prepared: 07/30/2008 08:41 Analyzed: 07/30/2008 11:50

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	160		15	mg/L	100	68	95	80-120	2	25	

Batch 8G30008 - NO PREP

Blank (8G30008-BLK1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	1.4	J	5.0	mg/L							

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G30008 - NO PREP

LCS (8G30008-BS1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	99	B	5.0	mg/L	100		99	80-120			

Matrix Spike (8G30008-MS1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:41

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	140	B	5.0	mg/L	100	45	94	80-120			

Matrix Spike Dup (8G30008-MSD1) Prepared: 07/30/2008 08:43 Analyzed: 07/30/2008 12:41

Source: C808135-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	140	B	5.0	mg/L	100	45	97	80-120	2	25	

Batch 8G31030 - NO PREP

Blank (8G31030-BLK1) Prepared: 07/31/2008 11:58 Analyzed: 07/31/2008 15:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	**0.02**	**J**	0.20	mg/L							
Sulfate as SO4	0.05	U	5.0	mg/L							

LCS (8G31030-BS1) Prepared: 07/31/2008 11:58 Analyzed: 07/31/2008 16:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.95	B	0.20	mg/L	1.00		95	90-110			
Sulfate as SO4	47		5.0	mg/L	50.0		95	90-110			

Matrix Spike (8G31030-MS1) Prepared: 07/31/2008 11:58 Analyzed: 07/31/2008 23:41

Source: C807082-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.1	B	0.20	mg/L	1.00	0.11	99	90-110			
Sulfate as SO4	49		5.0	mg/L	50.0	1.6	94	90-110			

Matrix Spike Dup (8G31030-MSD1) Prepared: 07/31/2008 11:58 Analyzed: 08/01/2008 00:11

Source: C807082-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	1.1	B	0.20	mg/L	1.00	0.11	99	90-110	0.08	10	
Sulfate as SO4	48		5.0	mg/L	50.0	1.6	93	90-110	1	10	

Batch 8G31035 - Same

Blank (8G31035-BLK1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:35

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8G31035 - Same

Blank (8G31035-BLK1) Continued Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	0.050	U	0.10	mg/L							

LCS (8G31035-BS1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	1.6		0.10	mg/L	1.60		98	80-120			

Matrix Spike (8G31035-MS1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:40

Source: C808020-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.4		0.10	mg/L	1.60	0.77	100	80-120			

Matrix Spike Dup (8G31035-MSD1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 10:42

Source: C808020-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	2.3		0.10	mg/L	1.60	0.77	97	80-120	2	25	

Batch 8G31037 - Same

Blank (8G31037-BLK1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 11:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	6.3	U	8.0	mg/kg wet							

LCS (8G31037-BS1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 11:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	120		8.0	mg/kg wet	126		96	80-120			

Matrix Spike (8G31037-MS1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 11:23

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	180		10	mg/kg dry	165	24	98	80-120			

Matrix Spike Dup (8G31037-MSD1) Prepared: 08/01/2008 11:50 Analyzed: 08/03/2008 11:24

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	200		10	mg/kg dry	164	24	106	80-120	7	25	

Batch 8H05022 - Same

Blank (8H05022-BLK1) Prepared: 08/05/2008 11:25 Analyzed: 08/05/2008 22:28

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8H05022 - Same

Blank (8H05022-BLK1) Continued Prepared: 08/05/2008 11:25 Analyzed: 08/05/2008 22:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	**0.78**	**J**	2.0	mg/kg dry wt. wet							
Chloride	5.0	U	50	mg/kg dry wt. wet							
Nitrate as N	1.0	U	10	mg/kg dry wt. wet							
Nitrite as N	0.14	U	1.0	mg/kg dry wt. wet							
Sulfate as SO4	**15**	**J**	50	mg/kg dry wt. wet							

LCS (8H05022-BS1) Prepared: 08/05/2008 11:25 Analyzed: 08/05/2008 22:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.96	B	0.20	mg/L	1.00		96	90-110			
Chloride	49		5.0	mg/L	50.0		97	90-110			
Nitrate as N	9.5		1.0	mg/L	10.0		95	90-110			
Nitrite as N	0.95		0.10	mg/L	1.00		95	90-110			
Sulfate as SO4	48	B	5.0	mg/L	50.0		96	90-110			

Matrix Spike (8H05022-MS1) Prepared: 08/05/2008 11:25 Analyzed: 08/05/2008 23:27

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.93	B	0.20	mg/L	1.00	0.050	88	90-110			QM-07
Chloride	50		5.0	mg/L	50.0	1.9	95	90-110			
Nitrate as N	120	E	1.0	mg/L	10.0	0.34	NR	90-110			QM-07
Nitrite as N	1.0		0.10	mg/L	1.00	0.014 U	101	90-110			
Sulfate as SO4	59	B	5.0	mg/L	50.0	12	95	90-110			

Matrix Spike Dup (8H05022-MSD1) Prepared: 08/05/2008 11:25 Analyzed: 08/05/2008 23:57

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.91	B	0.20	mg/L	1.00	0.050	86	90-110	1	10	QM-07
Chloride	49		5.0	mg/L	50.0	1.9	94	90-110	0.9	10	
Nitrate as N	120	E	1.0	mg/L	10.0	0.34	NR	90-110	2	10	QM-07
Nitrite as N	0.95		0.10	mg/L	1.00	0.014 U	95	90-110	6	10	
Sulfate as SO4	58	B	5.0	mg/L	50.0	12	93	90-110	2	10	

Batch 8H06006 - CE-81-1

Blank (8H06006-BLK1) Prepared: 08/05/2008 11:25 Analyzed: 08/06/2008 09:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	**170**		150	mg/kg wet							

LCS (8H06006-BS1) Prepared: 08/05/2008 11:25 Analyzed: 08/06/2008 09:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8H06006 - CE-81-1

LCS (8H06006-BS1) Continued Prepared: 08/05/2008 11:25 Analyzed: 08/06/2008 09:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	110	B	15	mg/L	100		111	80-120			

Matrix Spike (8H06006-MS1) Prepared: 08/05/2008 11:25 Analyzed: 08/06/2008 12:42

Source: C807924-03RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100	B	15	mg/L	100	8.4	95	80-120			

Matrix Spike Dup (8H06006-MSD1) Prepared: 08/05/2008 11:25 Analyzed: 08/06/2008 12:43

Source: C807924-03RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100	B	15	mg/L	100	8.4	95	80-120	0.05	25	

QUALITY CONTROL

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8G30020 - EPA 7470A

Blank (8G30020-BLK1) Prepared: 07/31/2008 10:00 Analyzed: 07/31/2008 15:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.000054	U	0.00020	mg/L							

Blank (8G30020-BLK2) Prepared: 07/31/2008 10:00 Analyzed: 07/31/2008 15:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00054	U	0.00200	mg/L							

LCS (8G30020-BS1) Prepared: 07/31/2008 10:00 Analyzed: 07/31/2008 15:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00527		0.00020	mg/L	0.00500		105	85-115			

Matrix Spike (8G30020-MS1) Prepared: 07/31/2008 10:00 Analyzed: 07/31/2008 15:57

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0567		0.00200	mg/L	0.0500	0.00054 U	113	85-115			

Matrix Spike Dup (8G30020-MSD1) Prepared: 07/31/2008 10:00 Analyzed: 07/31/2008 15:59

Source: C807924-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0586		0.00200	mg/L	0.0500	0.00054 U	117	85-115	3	25	QM-07

QUALITY CONTROL

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

Blank (8H01014-BLK1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	0.0220	U	0.200	mg/L							
Antimony	0.00310	U	0.0200	mg/L							
Arsenic	0.00240	U	0.0100	mg/L							
Barium	0.00043	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0095	U	0.0500	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0380**	**J**	0.500	mg/L							
Chromium	0.00043	U	0.0100	mg/L							
Cobalt	0.0002	U	0.0100	mg/L							
Copper	0.0012	U	0.0100	mg/L							
Iron	0.0048	U	0.0500	mg/L							
Lead	0.0016	U	0.0100	mg/L							
Magnesium	0.0150	U	0.500	mg/L							
Manganese	0.0008	U	0.0100	mg/L							
Molybdenum	0.0007	U	0.0100	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.0540	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	**1.62**		0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	**0.0032**	**J**	0.0200	mg/L							

Blank (8H01014-BLK2) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.0002	U	0.0010	mg/L							

Blank (8H01014-BLK3) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	0.110	U	1.00	mg/L							
Antimony	0.0155	U	0.100	mg/L							
Arsenic	0.0120	U	0.0500	mg/L							
Barium	**0.369**		0.0500	mg/L							
Beryllium	0.0008	U	0.0050	mg/L							
Boron	**0.319**		0.250	mg/L							
Cadmium	0.0009	U	0.0050	mg/L							
Calcium	**4.86**		2.50	mg/L							
Chromium	0.00215	U	0.0500	mg/L							
Cobalt	0.0012	U	0.0500	mg/L							
Copper	0.0060	U	0.0500	mg/L							
Iron	0.0240	U	0.250	mg/L							
Lead	0.0080	U	0.0500	mg/L							
Magnesium	**0.497**	**J**	2.50	mg/L							
Manganese	0.0038	U	0.0500	mg/L							

QUALITY CONTROL

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

Blank (8H01014-BLK3) Continued Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Molybdenum	0.0034	U	0.0500	mg/L							
Nickel	**0.0082**	**J**	0.250	mg/L							
Potassium	**1.31**	**J**	2.50	mg/L							
Selenium	0.0185	U	0.0500	mg/L							
Silver	0.0020	U	0.0500	mg/L							
Sodium	**1470**		2.50	mg/L							
Thallium	0.0255	U	0.0500	mg/L							
Vanadium	0.0022	U	0.0500	mg/L							
Zinc	**0.0967**	**J**	0.100	mg/L							

LCS (8H01014-BS1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10.3		0.200	mg/L	10.0		103	84-119			
Antimony	0.523		0.0200	mg/L	0.500		105	87-111			
Arsenic	1.05		0.0100	mg/L	1.00		105	89-116			
Barium	1.06	B	0.0100	mg/L	1.00		106	89-113			
Beryllium	0.530		0.0010	mg/L	0.500		106	90-111			
Boron	1.05	B	0.0500	mg/L	1.00		105	89-116			
Cadmium	0.527		0.0010	mg/L	0.500		105	90-112			
Calcium	10.5	B	0.500	mg/L	10.0		105	84-118			
Chromium	1.06		0.0100	mg/L	1.00		106	89-114			
Cobalt	1.07		0.0100	mg/L	1.00		107	90-114			
Copper	0.539		0.0100	mg/L	0.500		108	90-112			
Iron	10.5		0.0500	mg/L	10.0		105	90-110			
Lead	1.06		0.0100	mg/L	1.00		106	90-113			
Magnesium	10.4	B	0.500	mg/L	10.0		104	90-111			
Manganese	0.534		0.0100	mg/L	0.500		107	90-112			
Molybdenum	0.509		0.0100	mg/L	0.500		102	89-110			
Nickel	1.08	B	0.0500	mg/L	1.00		108	88-116			
Potassium	52.2	B	0.500	mg/L	50.0		104	90-110			
Selenium	1.06		0.0100	mg/L	1.00		106	90-118			
Silver	0.0970		0.0100	mg/L	0.100		97	87-112			
Sodium	51.9	B	0.500	mg/L	50.0		104	90-113			
Thallium	0.521		0.0100	mg/L	0.500		104	90-112			
Vanadium	0.534		0.0100	mg/L	0.500		107	88-114			
Zinc	1.08	B	0.0200	mg/L	1.00		108	88-116			

Matrix Spike (8H01014-MS1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 20:03

Source: B805297-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	49.9		1.00	mg/L	50.0	0.192	99	84-119			
Antimony	2.68		0.100	mg/L	2.50	0.0155 U	107	87-111			
Arsenic	5.20		0.0500	mg/L	5.00	0.0221	103	89-116			
Barium	5.25	B	0.0500	mg/L	5.00	0.434	96	89-113			
Beryllium	2.57		0.0050	mg/L	2.50	0.0008 U	103	90-111			
Boron	5.50	B	0.250	mg/L	5.00	0.333	103	89-116			

QUALITY CONTROL

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

Matrix Spike (8H01014-MS1) Continued Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 20:03

Source: B805297-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	2.45		0.0050	mg/L	2.50	0.0009 U	98	90-112			
Calcium	979	B	2.50	mg/L	50.0	981	NR	84-118			QM-02
Chromium	5.07		0.0500	mg/L	5.00	0.00450	101	89-114			
Cobalt	4.94		0.0500	mg/L	5.00	0.0012 U	99	90-114			
Copper	2.66		0.0500	mg/L	2.50	0.0136	106	90-112			
Iron	49.3		0.250	mg/L	50.0	0.0542	98	90-110			
Lead	5.06		0.0500	mg/L	5.00	0.0080 U	101	90-113			
Magnesium	62.6	B	2.50	mg/L	50.0	15.1	95	90-111			
Manganese	2.76		0.0500	mg/L	2.50	0.274	99	90-112			
Molybdenum	2.62		0.0500	mg/L	2.50	0.0169	104	89-110			
Nickel	5.00	B	0.250	mg/L	5.00	0.0102	100	88-116			
Potassium	264	B	2.50	mg/L	250	9.83	102	90-110			
Selenium	5.30		0.0500	mg/L	5.00	0.0231	106	90-118			
Silver	0.499		0.0500	mg/L	0.500	0.00527	99	87-112			
Sodium	1520	B	2.50	mg/L	250	1360	66	90-113			QM-02
Thallium	2.47		0.0500	mg/L	2.50	0.0255 U	99	90-112			
Vanadium	2.60		0.0500	mg/L	2.50	0.0022 U	104	88-114			
Zinc	5.61	B	0.100	mg/L	5.00	0.613	100	88-116			

Matrix Spike Dup (8H01014-MSD1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 20:10

Source: B805297-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	50.3		1.00	mg/L	50.0	0.192	100	84-119	0.9	25	
Antimony	2.64		0.100	mg/L	2.50	0.0155 U	106	87-111	2	25	
Arsenic	5.13		0.0500	mg/L	5.00	0.0221	102	89-116	1	25	
Barium	5.20	B	0.0500	mg/L	5.00	0.434	95	89-113	0.9	25	
Beryllium	2.51		0.0050	mg/L	2.50	0.0008 U	100	90-111	2	25	
Boron	5.42	B	0.250	mg/L	5.00	0.333	102	89-116	1	25	
Cadmium	2.43		0.0050	mg/L	2.50	0.0009 U	97	90-112	0.8	25	
Calcium	953	B	2.50	mg/L	50.0	981	NR	84-118	3	25	QM-02
Chromium	5.03		0.0500	mg/L	5.00	0.00450	100	89-114	1	25	
Cobalt	4.90		0.0500	mg/L	5.00	0.0012 U	98	90-114	0.9	25	
Copper	2.64		0.0500	mg/L	2.50	0.0136	105	90-112	1	25	
Iron	48.8		0.250	mg/L	50.0	0.0542	98	90-110	0.9	25	
Lead	4.98		0.0500	mg/L	5.00	0.0080 U	100	90-113	1	25	
Magnesium	63.1	B	2.50	mg/L	50.0	15.1	96	90-111	0.8	25	
Manganese	2.73		0.0500	mg/L	2.50	0.274	98	90-112	0.9	25	
Molybdenum	2.59		0.0500	mg/L	2.50	0.0169	103	89-110	1	25	
Nickel	4.96	B	0.250	mg/L	5.00	0.0102	99	88-116	0.9	25	
Potassium	261	B	2.50	mg/L	250	9.83	101	90-110	1	25	
Selenium	5.21		0.0500	mg/L	5.00	0.0231	104	90-118	2	25	
Silver	0.496		0.0500	mg/L	0.500	0.00527	98	87-112	0.7	25	
Sodium	1490	B	2.50	mg/L	250	1360	51	90-113	3	25	QM-02
Thallium	2.45		0.0500	mg/L	2.50	0.0255 U	98	90-112	0.8	25	
Vanadium	2.57		0.0500	mg/L	2.50	0.0022 U	103	88-114	1	25	
Zinc	5.55	B	0.100	mg/L	5.00	0.613	99	88-116	1	25	

QUALITY CONTROL

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8G30019 - EPA 7470A

Blank (8G30019-BLK1) Prepared: 07/30/2008 15:39 Analyzed: 07/31/2008 15:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.000054	U	0.00020	mg/L							

Blank (8G30019-BLK2) Prepared: 07/30/2008 15:39 Analyzed: 07/31/2008 15:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.000054	U	0.00020	mg/L							

LCS (8G30019-BS1) Prepared: 07/30/2008 15:39 Analyzed: 07/31/2008 15:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00530		0.00020	mg/L	0.00500		106	85-115			

Matrix Spike (8G30019-MS1) Prepared: 07/30/2008 15:39 Analyzed: 07/31/2008 15:13

Source: B805182-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00615		0.00020	mg/L	0.00500	0.000054 U	123	85-115			QM-07

Matrix Spike Dup (8G30019-MSD1) Prepared: 07/30/2008 15:39 Analyzed: 07/31/2008 15:15

Source: B805182-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00593		0.00020	mg/L	0.00500	0.000054 U	119	85-115	4	25	QM-07

Batch 8H01014 - EPA 3010A

Blank (8H01014-BLK1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	0.0220	U	0.200	mg/L							
Antimony	0.00310	U	0.0200	mg/L							
Arsenic	0.00240	U	0.0100	mg/L							
Barium	0.00043	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0095	U	0.0500	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0380**	**J**	0.500	mg/L							
Chromium	0.00043	U	0.0100	mg/L							
Cobalt	0.0002	U	0.0100	mg/L							
Copper	0.0012	U	0.0100	mg/L							
Iron	0.0048	U	0.0500	mg/L							
Lead	0.0016	U	0.0100	mg/L							
Magnesium	0.0150	U	0.500	mg/L							

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

Blank (8H01014-BLK1) Continued Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Manganese	0.0008	U	0.0100	mg/L							
Molybdenum	0.0007	U	0.0100	mg/L							
Nickel	**0.0005**	**J**	0.0500	mg/L							
Potassium	0.0540	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Sodium	**1.62**		0.500	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	**0.0032**	**J**	0.0200	mg/L							

Blank (8H01014-BLK2) Prepared: 08/01/2008 13:10 Analyzed: 08/05/2008 13:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**0.0295**	**J**	0.200	mg/L							
Antimony	0.00310	U	0.0200	mg/L							
Arsenic	0.00240	U	0.0100	mg/L							
Barium	**0.0233**		0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	**0.0853**		0.0500	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**1.14**		0.500	mg/L							
Chromium	**0.00134**	**J**	0.0100	mg/L							
Cobalt	0.0002	U	0.0100	mg/L							
Copper	0.0012	U	0.0100	mg/L							
Iron	0.0048	U	0.0500	mg/L							
Lead	0.0016	U	0.0100	mg/L							
Magnesium	**0.119**	**J**	0.500	mg/L							
Manganese	0.0008	U	0.0100	mg/L							
Molybdenum	0.0007	U	0.0100	mg/L							
Nickel	**0.0010**	**J**	0.0500	mg/L							
Potassium	**0.105**	**J**	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Sodium	**14.9**		0.500	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	**0.0120**	**J**	0.0200	mg/L							

LCS (8H01014-BS1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10.3	B	0.200	mg/L	10.0		103	84-119			
Antimony	0.523		0.0200	mg/L	0.500		105	87-111			
Arsenic	1.05		0.0100	mg/L	1.00		105	89-116			
Barium	1.06	B	0.0100	mg/L	1.00		106	89-113			
Beryllium	0.530		0.0010	mg/L	0.500		106	90-111			
Boron	1.05	B	0.0500	mg/L	1.00		105	89-116			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

LCS (8H01014-BS1) Continued Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 19:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.527		0.0010	mg/L	0.500		105	90-112			
Calcium	10.5	B	0.500	mg/L	10.0		105	84-118			
Chromium	1.06	B	0.0100	mg/L	1.00		106	89-114			
Cobalt	1.07		0.0100	mg/L	1.00		107	90-114			
Copper	0.539		0.0100	mg/L	0.500		108	90-112			
Iron	10.5		0.0500	mg/L	10.0		105	90-110			
Lead	1.06		0.0100	mg/L	1.00		106	90-113			
Magnesium	10.4	B	0.500	mg/L	10.0		104	90-111			
Manganese	0.534		0.0100	mg/L	0.500		107	90-112			
Molybdenum	0.509		0.0100	mg/L	0.500		102	89-110			
Nickel	1.08	B	0.0500	mg/L	1.00		108	88-116			
Potassium	52.2	B	0.500	mg/L	50.0		104	90-110			
Selenium	1.06		0.0100	mg/L	1.00		106	90-118			
Silver	0.0970		0.0100	mg/L	0.100		97	87-112			
Thallium	0.521		0.0100	mg/L	0.500		104	90-112			
Sodium	51.9	B	0.500	mg/L	50.0		104	90-113			
Vanadium	0.534		0.0100	mg/L	0.500		107	88-114			
Zinc	1.08	B	0.0200	mg/L	1.00		108	88-116			

Matrix Spike (8H01014-MS1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 20:03

Source: B805297-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	49.9	B	1.00	mg/L	50.0	0.192	99	84-119			
Antimony	2.68		0.100	mg/L	2.50	0.0155 U	107	87-111			
Arsenic	5.20		0.0500	mg/L	5.00	0.0221	103	89-116			
Barium	5.25	B	0.0500	mg/L	5.00	0.434	96	89-113			
Beryllium	2.57		0.0050	mg/L	2.50	0.0008 U	103	90-111			
Boron	5.50	B	0.250	mg/L	5.00	0.333	103	89-116			
Cadmium	2.45		0.0050	mg/L	2.50	0.0009 U	98	90-112			
Calcium	979	B	2.50	mg/L	50.0	981	NR	84-118			QM-02
Chromium	5.07	B	0.0500	mg/L	5.00	0.00450	101	89-114			
Cobalt	4.94		0.0500	mg/L	5.00	0.0012 U	99	90-114			
Copper	2.66		0.0500	mg/L	2.50	0.0136	106	90-112			
Iron	49.3		0.250	mg/L	50.0	0.0542	98	90-110			
Lead	5.06		0.0500	mg/L	5.00	0.0080 U	101	90-113			
Magnesium	62.6	B	2.50	mg/L	50.0	15.1	95	90-111			
Manganese	2.76		0.0500	mg/L	2.50	0.274	99	90-112			
Molybdenum	2.62		0.0500	mg/L	2.50	0.0169	104	89-110			
Nickel	5.00	B	0.250	mg/L	5.00	0.0102	100	88-116			
Potassium	264	B	2.50	mg/L	250	9.83	102	90-110			
Selenium	5.30		0.0500	mg/L	5.00	0.0231	106	90-118			
Silver	0.499		0.0500	mg/L	0.500	0.00527	99	87-112			
Thallium	2.47		0.0500	mg/L	2.50	0.0255 U	99	90-112			
Sodium	1520	B	2.50	mg/L	250	1360	66	90-113			QM-02
Vanadium	2.60		0.0500	mg/L	2.50	0.0022 U	104	88-114			
Zinc	5.61	B	0.100	mg/L	5.00	0.613	100	88-116			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8H01014 - EPA 3010A

Matrix Spike Dup (8H01014-MSD1) Prepared: 08/01/2008 13:10 Analyzed: 08/04/2008 20:10

Source: B805297-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	50.3	B	1.00	mg/L	50.0	0.192	100	84-119	0.9	25	
Antimony	2.64		0.100	mg/L	2.50	0.0155 U	106	87-111	2	25	
Arsenic	5.13		0.0500	mg/L	5.00	0.0221	102	89-116	1	25	
Barium	5.20	B	0.0500	mg/L	5.00	0.434	95	89-113	0.9	25	
Beryllium	2.51		0.0050	mg/L	2.50	0.0008 U	100	90-111	2	25	
Boron	5.42	B	0.250	mg/L	5.00	0.333	102	89-116	1	25	
Cadmium	2.43		0.0050	mg/L	2.50	0.0009 U	97	90-112	0.8	25	
Calcium	953	B	2.50	mg/L	50.0	981	NR	84-118	3	25	QM-02
Chromium	5.03	B	0.0500	mg/L	5.00	0.00450	100	89-114	1	25	
Cobalt	4.90		0.0500	mg/L	5.00	0.0012 U	98	90-114	0.9	25	
Copper	2.64		0.0500	mg/L	2.50	0.0136	105	90-112	1	25	
Iron	48.8		0.250	mg/L	50.0	0.0542	98	90-110	0.9	25	
Lead	4.98		0.0500	mg/L	5.00	0.0080 U	100	90-113	1	25	
Magnesium	63.1	B	2.50	mg/L	50.0	15.1	96	90-111	0.8	25	
Manganese	2.73		0.0500	mg/L	2.50	0.274	98	90-112	0.9	25	
Molybdenum	2.59		0.0500	mg/L	2.50	0.0169	103	89-110	1	25	
Nickel	4.96	B	0.250	mg/L	5.00	0.0102	99	88-116	0.9	25	
Potassium	261	B	2.50	mg/L	250	9.83	101	90-110	1	25	
Selenium	5.21		0.0500	mg/L	5.00	0.0231	104	90-118	2	25	
Silver	0.496		0.0500	mg/L	0.500	0.00527	98	87-112	0.7	25	
Thallium	2.45		0.0500	mg/L	2.50	0.0255 U	98	90-112	0.8	25	
Sodium	1490	B	2.50	mg/L	250	1360	51	90-113	3	25	QM-02
Vanadium	2.57		0.0500	mg/L	2.50	0.0022 U	103	88-114	1	25	
Zinc	5.55	B	0.100	mg/L	5.00	0.613	99	88-116	1	25	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the assocatiated method blank.
J-01a	Result is estimated due to positive results in the associated method blank.
Q	Analysis performed outside of method - specified holding time.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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4810 Executive Park Court, Suite 211 Jacksonville, FL 32210-8369 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3550 Fax (919) 467-3515

Page 1 of 1

Client Name: Kimley-Horn and Associates - VAIKI005	Project Number: [none]
Address: 505 Independence Pkway, Suite 200	Project Name/Desc: Fly Ash
City/ST/Zip: Chesapeake, VA 23320	PO # / Billing Info:
Tel: (757) 548-7354 Fax: (757) 548-7654	Sampling Contact: Mike Iwashchenko
Sampler(s) Name, Affiliation (Print): M. IWASHCHENKO / KHA	Billing Contact: Mike Iwashchenko
Sampler(s) Signature: M. Iwashchenko	Facility # (if required):

Requested Analyses

Preservation (See Codes) (Continue as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	1312 SPLP EXT Metals, SO4	Ag, Al, As, B, Ba, Be, Ca, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Tl, V, Zn	Alkalinity 310.2	Alkalinity 310.2, Chloride, SM4500-Cl-E, Fluoride, SO4, TDS 160.1	Co TOC / RCRA ALL METALS	NOX 353.2,P	Sulfate 300, TSS 160.2	Sample Comments
	FS-6	7/23/08	12:13	G	GW	7		X		X		X	X	
	SW-10	7/23/08	2:20	G	GW	7		X		X		X	X	
					GW	7		X		X		X	X	
					GW	7		X		X		X	X	
					GW	7		X		X		X	X	
	MW-4D ~~ORE~~	7/21/08	9:27	G	SO	3	X X	X	X X		X X			9'-11' BGS
	MW-5D	↓	1:00	G	SO	3	X X	X	X X		X X			8-9' BGS
	MW-5D	↓	1:07	G	SO	3	X X	X	X X		X X			29-31' BGS
					SO	3	X X	X	X X		X X			
					SO	3	X X	X	X X		X X			
					SO	3	X X	X	X X		X X			
					SO	3	X X	X	X X		X X			
						23	<-- Total # of Containers							

Sample(s) Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
JWL	7/17	[signature]	7/23/08 2:20	[signature]	7/24/08 10:45
Comments: offsite, upgradient wells SET MW-4 @ 25' (5' x 20')		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-2 86 2.2°C C-2 2.4°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless other written agreements exist.

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