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

Lab Sample ID: C805328-01
Sampled: 05/19/08 13:28
Sampled By: Mike Iwashchenko

Received: 05/21/08 09:45
Work Order: C805328

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**40**	B	mg/L	1	0.48	5.0	8E21015	SM4500-Cl/E	05/21/08 15:48	PEV	QB-01
Fluoride [16984-48-8]	**0.28**	B	mg/L	1	0.0053	0.10	8E29010	EPA 340.2	05/29/08 16:25	JOC	QB-01
Nitrate/Nitrite as N [NA]	**0.37**		mg/L	1	0.022	0.10	8E25003	EPA 353.2	05/25/08 15:02	PEV	
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8E25007	EPA 365.4	05/28/08 10:52	PEV	
Sulfate as SO4 [14808-79-8]	**64**		mg/L	1	0.05	5.0	8E22024	EPA 300.0	05/23/08 07:29	AJ	
Total Alkalinity [NA]	**120**		mg/L	1	4.7	15	8E21014	EPA 310.2	05/21/08 19:00	PEV	
Total Dissolved Solids [NA]	**230**		mg/L	1	10	10	8E22010	EPA 160.1	05/23/08 12:42	JOC	
Total Suspended Solids [NA]	**3.6**		mg/L	1	1.0	1.0	8E22018	EPA 160.2	05/23/08 16:50	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: WW-2
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C805328-02
Sampled: 05/19/08 13:30
Sampled By: Mike Iwashchenko

Received: 05/21/08 09:45
Work Order: C805328

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] ^	**431**		ug/L	1	50	100	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Antimony [7440-36-0] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Barium [7440-39-3] ^	**67.6**		ug/L	1	0.20	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Boron [7440-42-8] ^	**48.0**	J	ug/L	1	4.0	50.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Calcium [7440-70-2] ^	**33600**		ug/L	1	7.0	100	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Copper [7440-50-8] ^	**1.80**	JB	ug/L	1	0.60	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Iron [7439-89-6] ^	**459**		ug/L	1	20	50	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Magnesium [7439-95-4] ^	**8700**		ug/L	1	20	100	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Manganese [7439-96-5] ^	**12.3**		ug/L	1	1.4	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8E29004	EPA 7470A	05/30/08 13:31	MPL	
Molybdenum [7439-98-7] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Nickel [7440-02-0] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Potassium [7440-09-7] ^	**5400**		ug/L	1	50	500	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Sodium [7440-23-5] ^	**21500**	B	ug/L	1	200	500	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Thallium [7440-28-0] ^	4.0	U	ug/L	1	4.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	
Zinc [7440-66-6] ^	**35.5**		ug/L	1	1.0	10.0	8E22002	EPA 6010B	06/03/08 12:18	VLO	

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Description: WW-2
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C805328-02
Sampled: 05/19/08 13:30
Sampled By: Mike Iwashchenko

Received: 05/21/08 09:45
Work Order: C805328

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**39**	B	mg/L	1	0.48	5.0	8E21015	SM4500-Cl/E	05/21/08 15:49	PEV	QB-01
Fluoride [16984-48-8]	**0.29**	B	mg/L	1	0.0053	0.10	8E29010	EPA 340.2	05/29/08 16:25	JOC	QB-01
Nitrate/Nitrite as N [NA]	**0.37**		mg/L	1	0.022	0.10	8E25003	EPA 353.2	05/25/08 15:04	PEV	
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8E25007	EPA 365.4	05/28/08 10:53	PEV	
Sulfate as SO4 [14808-79-8]	**64**		mg/L	1	0.05	5.0	8E22024	EPA 300.0	05/23/08 07:59	AJ	
Total Alkalinity [NA]	**45**		mg/L	1	4.7	15	8E21014	EPA 310.2	05/21/08 19:00	PEV	
Total Dissolved Solids [NA]	**240**		mg/L	1	10	10	8E22010	EPA 160.1	05/23/08 12:42	JOC	
Total Suspended Solids [NA]	**3.1**		mg/L	1	1.0	1.0	8E22018	EPA 160.2	05/23/08 16:50	FLT	

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8E22002 - EPA 3005A

Blank (8E22002-BLK1) Prepared: 05/22/2008 07:40 Analyzed: 06/03/2008 11:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	50	U	100	ug/L							
Antimony	2.0	U	10.0	ug/L							
Arsenic	2.0	U	10.0	ug/L							
Barium	0.20	U	10.0	ug/L							
Beryllium	0.70	U	1.00	ug/L							
Boron	4.0	U	50.0	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Calcium	7.0	U	100	ug/L							
Chromium	**4.4**	**J**	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	**0.90**	**J**	10.0	ug/L							
Iron	20	U	50	ug/L							
Lead	2.0	U	10.0	ug/L							
Magnesium	20	U	100	ug/L							
Manganese	1.4	U	10.0	ug/L							
Molybdenum	2.0	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Potassium	50	U	500	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Sodium	**297**	**J**	500	ug/L							
Thallium	4.0	U	10.0	ug/L							
Vanadium	**1.1**	**J**	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (8E22002-BS1) Prepared: 05/22/2008 07:40 Analyzed: 06/03/2008 11:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	4880		100	ug/L	5000		98	77-130			
Antimony	253		10.0	ug/L	250		101	82-119			
Arsenic	511		10.0	ug/L	500		102	82-117			
Barium	516		10.0	ug/L	500		103	72-125			
Beryllium	260		1.00	ug/L	250		104	75-121			
Boron	514		50.0	ug/L	500		103	75-122			
Cadmium	261		1.00	ug/L	250		104	72-120			
Calcium	5030		100	ug/L	5000		101	81-111			
Chromium	509	B	10.0	ug/L	500		102	78-119			
Cobalt	508		10.0	ug/L	500		102	76-117			
Copper	251	B	10.0	ug/L	250		100	80-117			
Iron	5090		50	ug/L	5000		102	84-133			
Lead	509		10.0	ug/L	500		102	72-121			
Magnesium	5350		100	ug/L	5000		107	81-117			
Manganese	252		10.0	ug/L	250		101	76-123			
Molybdenum	239		10.0	ug/L	250		95	83-112			
Nickel	517		10.0	ug/L	500		103	78-116			
Potassium	22500		500	ug/L	25000		90	84-112			
Selenium	525		10.0	ug/L	500		105	82-127			
Silver	49.8		10.0	ug/L	50.0		100	80-128			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8E22002 - EPA 3005A

LCS (8E22002-BS1) Continued

Prepared: 05/22/2008 07:40 Analyzed: 06/03/2008 11:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	22900	B	500	ug/L	25000		92	81-120			
Thallium	259		10.0	ug/L	250		104	79-118			
Vanadium	244	B	10.0	ug/L	250		98	78-117			
Zinc	512		10.0	ug/L	500		102	80-120			

Matrix Spike (8E22002-MS1)

Prepared: 05/22/2008 07:40 Analyzed: 06/03/2008 11:34

Source: C805327-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	104000		100	ug/L	5000	86700	355	78-125			QM-07
Antimony	70.1		10.0	ug/L	250	2.0 U	28	38-138			QM-07
Arsenic	506		10.0	ug/L	500	64.6	88	64-126			
Barium	771		10.0	ug/L	500	284	97	74-119			
Beryllium	240		1.00	ug/L	250	3.80	95	70-131			
Boron	570		50.0	ug/L	500	113	91	77-114			
Cadmium	206		1.00	ug/L	250	0.50 U	82	68-121			
Calcium	51900		100	ug/L	5000	47800	84	63-131			
Chromium	648	B	10.0	ug/L	500	187	92	73-120			
Cobalt	528		10.0	ug/L	500	76.0	90	76-120			
Copper	245	B	10.0	ug/L	250	9.60	94	75-123			
Iron	162000		50	ug/L	5000	157000	112	48-144			
Lead	515		10.0	ug/L	500	67.9	89	68-126			
Magnesium	36100		100	ug/L	5000	31000	102	59-129			
Manganese	1530		10.0	ug/L	250	1330	83	55-146			
Molybdenum	151		10.0	ug/L	250	2.0 U	60	72-118			QM-07
Nickel	631		10.0	ug/L	500	166	93	64-126			
Potassium	35900		500	ug/L	25000	9140	107	53-121			
Selenium	418		10.0	ug/L	500	2.0 U	84	65-129			
Silver	40.8		10.0	ug/L	50.0	2.0 U	82	69-121			
Sodium	40700	B	500	ug/L	25000	15100	103	29-171			
Thallium	189		10.0	ug/L	250	4.0 U	76	67-135			
Vanadium	461	B	10.0	ug/L	250	232	92	71-130			
Zinc	959		10.0	ug/L	500	510	90	63-131			

Matrix Spike Dup (8E22002-MSD1)

Prepared: 05/22/2008 07:40 Analyzed: 06/03/2008 11:41

Source: C805327-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	106000		100	ug/L	5000	86700	393	78-125	2	22	QM-07
Antimony	63.2		10.0	ug/L	250	2.0 U	25	38-138	10	30	QM-07
Arsenic	520		10.0	ug/L	500	64.6	91	64-126	3	12	
Barium	790		10.0	ug/L	500	284	101	74-119	2	11	
Beryllium	246		1.00	ug/L	250	3.80	97	70-131	2	21	
Boron	584		50.0	ug/L	500	113	94	77-114	2	11	
Cadmium	211		1.00	ug/L	250	0.50 U	85	68-121	3	12	
Calcium	53100		100	ug/L	5000	47800	108	63-131	2	22	
Chromium	660	B	10.0	ug/L	500	187	95	73-120	2	10	
Cobalt	540		10.0	ug/L	500	76.0	93	76-120	2	17	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8E22002 - EPA 3005A

Matrix Spike Dup (8E22002-MSD1) Continued Prepared: 05/22/2008 07:40 Analyzed: 06/03/2008 11:41

Source: C805327-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	250	B	10.0	ug/L	250	9.60	96	75-123	2	16	
Iron	166000		50	ug/L	5000	157000	190	48-144	2	23	QM-07
Lead	530		10.0	ug/L	500	67.9	92	68-126	3	19	
Magnesium	36800		100	ug/L	5000	31000	115	59-129	2	22	
Manganese	1570		10.0	ug/L	250	1330	96	55-146	2	19	
Molybdenum	154		10.0	ug/L	250	2.0 U	62	72-118	2	12	QM-07
Nickel	646		10.0	ug/L	500	166	96	64-126	2	12	
Potassium	36400		500	ug/L	25000	9140	109	53-121	2	20	
Selenium	430		10.0	ug/L	500	2.0 U	86	65-129	3	10	
Silver	40.8		10.0	ug/L	50.0	2.0 U	82	69-121	0	12	
Sodium	41700	B	500	ug/L	25000	15100	106	29-171	2	21	
Thallium	195		10.0	ug/L	250	4.0 U	78	67-135	3	13	
Vanadium	470	B	10.0	ug/L	250	232	95	71-130	2	16	
Zinc	980		10.0	ug/L	500	510	94	63-131	2	24	

Batch 8E29004 - EPA 7470A

Blank (8E29004-BLK1) Prepared: 05/29/2008 07:30 Analyzed: 05/30/2008 11:58

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 (8E29004-BS1) Prepared: 05/29/2008 07:30 Analyzed: 05/30/2008 12:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.20		0.20	ug/L	5.00		104	87-123			

Matrix Spike (8E29004-MS1) Prepared: 05/29/2008 07:30 Analyzed: 05/30/2008 12:08

Source: C805506-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.44		0.20	ug/L	5.00	0.11 U	89	63-132			

Matrix Spike Dup (8E29004-MSD1) Prepared: 05/29/2008 07:30 Analyzed: 05/30/2008 12:11

Source: C805506-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.27		0.20	ug/L	5.00	0.11 U	85	63-132	4	10	

Post Spike (8E29004-PS1) Prepared: 05/29/2008 07:30 Analyzed: 05/30/2008 12:14

Source: C805506-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.47		0.20	ug/L	5.00	-0.01	90	0-200			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8E21014 - NO PREP

Blank (8E21014-BLK1) Prepared: 05/21/2008 12:09 Analyzed: 05/21/2008 18:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	4.7	U	15	mg/L							

LCS (8E21014-BS1) Prepared: 05/21/2008 12:09 Analyzed: 05/21/2008 18:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	99		15	mg/L	100		99	80-120			

Matrix Spike (8E21014-MS1) Prepared: 05/21/2008 12:09 Analyzed: 05/21/2008 18:51

Source: C804997-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100		15	mg/L	100	3.6	101	80-120			

Matrix Spike Dup (8E21014-MSD1) Prepared: 05/21/2008 12:09 Analyzed: 05/21/2008 18:52

Source: C804997-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100		15	mg/L	100	3.6	100	80-120	1	25	

Batch 8E21015 - NO PREP

Blank (8E21015-BLK1) Prepared: 05/21/2008 12:14 Analyzed: 05/21/2008 15:41

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 (8E21015-BS1) Prepared: 05/21/2008 12:14 Analyzed: 05/21/2008 15:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100	B	5.0	mg/L	100		101	80-120			

Matrix Spike (8E21015-MS1) Prepared: 05/21/2008 12:14 Analyzed: 05/21/2008 15:43

Source: C804997-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	140	B	5.0	mg/L	100	38	100	80-120			

Matrix Spike Dup (8E21015-MSD1) Prepared: 05/21/2008 12:14 Analyzed: 05/21/2008 15:43

Source: C804997-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	140	B	5.0	mg/L	100	38	100	80-120	0.3	25	

Batch 8E22010 - NO PREP

Blank (8E22010-BLK1) Prepared: 05/22/2008 13:00 Analyzed: 05/23/2008 12:42

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8E22010 - NO PREP

Blank (8E22010-BLK1) Continued Prepared: 05/22/2008 13:00 Analyzed: 05/23/2008 12:42

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 (8E22010-BS1) Prepared: 05/22/2008 13:00 Analyzed: 05/23/2008 12:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	290		10	mg/L	300		97	90-110			

Duplicate (8E22010-DUP1) Prepared: 05/22/2008 13:00 Analyzed: 05/23/2008 12:42

Source: C805327-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	270		10	mg/L		290			6	10	

Batch 8E22018 - NO PREP

Blank (8E22018-BLK1) Prepared: 05/22/2008 14:00 Analyzed: 05/23/2008 16:50

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 (8E22018-BS1) Prepared: 05/22/2008 14:00 Analyzed: 05/23/2008 16:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	85		1.0	mg/L	80.0		106	82-119			

Duplicate (8E22018-DUP1) Prepared: 05/22/2008 14:00 Analyzed: 05/23/2008 16:50

Source: C804219-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Suspended Solids	5200		1.0	mg/L		5400			3	10	

Batch 8E22024 - NO PREP

Blank (8E22024-BLK1) Prepared: 05/22/2008 15:39 Analyzed: 05/22/2008 18:38

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 (8E22024-BS1) Prepared: 05/22/2008 15:39 Analyzed: 05/22/2008 19:38

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 (8E22024-MS1) Prepared: 05/22/2008 15:39 Analyzed: 05/23/2008 08:29

Source: C805328-02

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8E22024 - NO PREP

Matrix Spike (8E22024-MS1) Continued Prepared: 05/22/2008 15:39 Analyzed: 05/23/2008 08:29

Source: C805328-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	120	E	5.0	mg/L	50.0	64	113	90-110			QM-02

Matrix Spike Dup (8E22024-MSD1) Prepared: 05/22/2008 15:39 Analyzed: 05/23/2008 08:58

Source: C805328-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	120	E	5.0	mg/L	50.0	64	115	90-110	0.8	10	QM-02

Batch 8E25003 - NO PREP

Blank (8E25003-BLK1) Prepared: 05/25/2008 09:07 Analyzed: 05/25/2008 14:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.022	U	0.10	mg/L							

LCS (8E25003-BS1) Prepared: 05/25/2008 09:07 Analyzed: 05/25/2008 14:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2		0.10	mg/L	1.25		97	80-120			

Matrix Spike (8E25003-MS1) Prepared: 05/25/2008 09:07 Analyzed: 05/25/2008 14:19

Source: C805258-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.4		0.10	mg/L	1.28	0.022 U	107	80-120			

Matrix Spike Dup (8E25003-MSD1) Prepared: 05/25/2008 09:07 Analyzed: 05/25/2008 14:21

Source: C805258-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.3		0.10	mg/L	1.28	0.022 U	105	80-120	2	25	

Batch 8E25007 - Same

Blank (8E25007-BLK1) Prepared: 05/27/2008 10:30 Analyzed: 05/28/2008 10:42

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 (8E25007-BS1) Prepared: 05/27/2008 10:30 Analyzed: 05/28/2008 12:58

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 (8E25007-MS1) Prepared: 05/27/2008 10:30 Analyzed: 05/28/2008 10:47

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 8E25007 - Same

Matrix Spike (8E25007-MS1) Continued Prepared: 05/27/2008 10:30 Analyzed: 05/28/2008 10:47

Source: C805327-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	3.0		0.10	mg/L	1.60	1.6	89	80-120			

Matrix Spike Dup (8E25007-MSD1) Prepared: 05/27/2008 10:30 Analyzed: 05/28/2008 10:48

Source: C805327-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phosphorus	3.1		0.10	mg/L	1.60	1.6	90	80-120	0.7	25	

Batch 8E29010 - NO PREP

Blank (8E29010-BLK1) Prepared & Analyzed: 05/29/2008 16:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	0.022	J	0.10	mg/L							J-01

LCS (8E29010-BS1) Prepared & Analyzed: 05/29/2008 16:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	4.9	B	0.10	mg/L	5.00		97	80-120			

Matrix Spike (8E29010-MS1) Prepared & Analyzed: 05/29/2008 16:25

Source: C801752-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	11	B	0.10	mg/L	5.00	6.5	82	80-120			

Matrix Spike Dup (8E29010-MSD1) Prepared & Analyzed: 05/29/2008 16:25

Source: C801752-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoride	11	B	0.10	mg/L	5.00	6.5	81	80-120	0.4	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-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.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10975 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 450-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-0183 (904) 296-3007 Fax (904) 296-6210
1005 Paragon Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-0346

Page 1 of 1

Client Name: Kimley-Horn & Assoc
Project Number: 11-016-000
Address: 501 Independence Pkwy
Project Name/Desc: Battlefield Pkwy-Alt
City/St/Zip: Chesapeake VA 23320
PO # / Billing Info:
Tel: 757-518-1300 Fax: 757-518-1301
Reporting Contact:
Sampler(s) Name, Affiliation (Print): M. Tupashenko
Billing Contact: M. Tupashenko
Sampler(s) Sign/Date: M. Tupashenko
Facility ID # (if required):

Requested Analyses: TSS-TDS T-Phos, Fluoride, Chloride, Sulfate, NO3, Alkalinity, Hardness, Zinc, Copper, Nickel, Cadmium, Boron, Iron, Manganese

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

Lab Workorder: C805328

Preservation (See Codes/Containers as necessary)

Sect. #	Sample ID (Field Identifier)	Collection Date	Collection Time	Sample Type	Matrix (see codes)	Total # of Containers	TSS-TDS T-Phos	Fluoride	Chloride	Sulfate	NO3	Alkalinity	Hardness	Zinc	Copper	Nickel	Cadmium	Boron	Iron	Manganese	Sample Comments
	WW-1	5-19-08	1:28	C	GW	10	X	X	X	X	X	X	X	X	X						
	WW-2	5-19-08	1:30	C	GW	10	X	X	X	X	X	X	X	X	X						
						20	<-- Total # of Containers														

Sample(s) Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	5/20/08 4:12	Briana Gregory	5/21/08 9:45
Comments: N- well, no hose let water run full blast for 11 minutes		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler Air & Temp on Receipt: On Ice		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: HS-H2SO4 N-HNO3 S-H2SO4 HO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Laboratories are subject to the terms and conditions listed on the reverse side hereof unless prior written agreements exist.

www.encolabs.com

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

Monday, June 9, 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: C805399

Dear Mike Iwashchenko,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, May 23, 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

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: HA-7 (TOP) Lab ID: C805399-01 Sampled: 05/19/08 15:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 18:04
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 18:04
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:30

Client ID: HA-7 (MID) Lab ID: C805399-02 Sampled: 05/19/08 15:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 18:29
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 18:29
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:32

Client ID: HA-7 (BASE) Lab ID: C805399-03 Sampled: 05/19/08 16:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 18:36
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 18:36
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:33

Client ID: HA-8 (TOP) Lab ID: C805399-04 Sampled: 05/19/08 16:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:40	6/6/2008 15:02
EPA 6010B	11/15/08	11/30/08	06/03/08	13:40	6/6/2008 15:02
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:35

Client ID: HA-8 (MID) Lab ID: C805399-05 Sampled: 05/19/08 16:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:40	6/6/2008 15:09
EPA 6010B	11/15/08	11/30/08	06/03/08	13:40	6/6/2008 15:09
EPA 7470A	06/16/08		06/02/08	12:06	6/3/2008 11:02

Client ID: HA-8 (BASE) Lab ID: C805399-06 Sampled: 05/19/08 17:08 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:40	6/6/2008 15:15
EPA 6010B	11/15/08	11/30/08	06/03/08	13:40	6/6/2008 15:15
EPA 7470A	06/16/08		06/02/08	12:06	6/3/2008 11:07

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SAMPLE DETECTION SUMMARY

Client ID: HA-7 (TOP) Lab ID: C805399-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	10.6	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0226		0.0200	mg/L	EPA 6010B	
Arsenic	0.0835		0.0100	mg/L	EPA 6010B	
Barium	0.138		0.0100	mg/L	EPA 6010B	
Boron	0.430		0.0100	mg/L	EPA 6010B	
Calcium	53.5	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0099	JB	0.0100	mg/L	EPA 6010B	J-01, QB-01
Magnesium	0.149	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.123	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	7.36		0.500	mg/L	EPA 6010B	
Selenium	0.121	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	64.4		0.500	mg/L	EPA 6010B	
Vanadium	0.0810		0.0100	mg/L	EPA 6010B	
Zinc	0.0057	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-7 (MID) Lab ID: C805399-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	8.67	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0301		0.0200	mg/L	EPA 6010B	
Arsenic	0.135		0.0100	mg/L	EPA 6010B	
Barium	0.146		0.0100	mg/L	EPA 6010B	
Boron	0.570		0.0100	mg/L	EPA 6010B	
Calcium	56.0	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0040	JB	0.0100	mg/L	EPA 6010B	J-01
Magnesium	0.151	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.170	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	10.7		0.500	mg/L	EPA 6010B	
Selenium	0.164	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	72.3		0.500	mg/L	EPA 6010B	
Vanadium	0.0739		0.0100	mg/L	EPA 6010B	

Client ID: HA-7 (BASE) Lab ID: C805399-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	10.1	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0230		0.0200	mg/L	EPA 6010B	
Arsenic	0.114		0.0100	mg/L	EPA 6010B	
Barium	0.178		0.0100	mg/L	EPA 6010B	
Boron	0.416		0.0100	mg/L	EPA 6010B	
Calcium	58.1	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0046	JB	0.0100	mg/L	EPA 6010B	J-01
Magnesium	0.109	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.135	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0009	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	7.13		0.500	mg/L	EPA 6010B	
Selenium	0.118	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	69.2		0.500	mg/L	EPA 6010B	
Vanadium	0.0631		0.0100	mg/L	EPA 6010B	

Client ID: HA-8 (TOP) Lab ID: C805399-04

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	7.41		0.200	mg/L	EPA 6010B	
Antimony	0.0242		0.0200	mg/L	EPA 6010B	
Arsenic	0.0974		0.0100	mg/L	EPA 6010B	
Barium	0.126		0.0100	mg/L	EPA 6010B	
Boron	0.528	B	0.0100	mg/L	EPA 6010B	QB-01
Calcium	49.9	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0061	JB	0.0100	mg/L	EPA 6010B	J-01
Iron	0.0080	J	0.0500	mg/L	EPA 6010B	
Magnesium	0.133	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.158	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	7.25		0.500	mg/L	EPA 6010B	
Selenium	0.130		0.0100	mg/L	EPA 6010B	
Sodium	65.9	B	0.500	mg/L	EPA 6010B	QB-01
Vanadium	0.101		0.0100	mg/L	EPA 6010B	

Client ID: HA-8 (MID) Lab ID: C805399-05

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	17.4		0.200	mg/L	EPA 6010B	
Antimony	0.0208		0.0200	mg/L	EPA 6010B	
Arsenic	0.0564		0.0100	mg/L	EPA 6010B	
Barium	0.128		0.0100	mg/L	EPA 6010B	
Boron	0.256	B	0.0100	mg/L	EPA 6010B	QB-01
Calcium	51.3	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0083	JB	0.0100	mg/L	EPA 6010B	J-01
Magnesium	0.120	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.170	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0010	J	0.0500	mg/L	EPA 6010B	
Potassium	17.0		0.500	mg/L	EPA 6010B	
Selenium	0.0590		0.0100	mg/L	EPA 6010B	
Sodium	64.4	B	0.500	mg/L	EPA 6010B	QB-01
Vanadium	0.0849		0.0100	mg/L	EPA 6010B	
Zinc	0.0049	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-8 (BASE) Lab ID: C805399-06

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	2.22		0.200	mg/L	EPA 6010B	
Antimony	0.0174	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.121		0.0100	mg/L	EPA 6010B	
Barium	0.153		0.0100	mg/L	EPA 6010B	
Boron	0.366	B	0.0100	mg/L	EPA 6010B	QB-01
Calcium	21.6	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0055	JB	0.0100	mg/L	EPA 6010B	J-01
Iron	0.554		0.0500	mg/L	EPA 6010B	
Magnesium	1.22		0.500	mg/L	EPA 6010B	
Manganese	0.0014	J	0.0020	mg/L	EPA 6010B	
Molybdenum	0.0540	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0015	J	0.0500	mg/L	EPA 6010B	
Potassium	1.46		0.500	mg/L	EPA 6010B	
Selenium	0.0465		0.0100	mg/L	EPA 6010B	
Sodium	29.3	B	0.500	mg/L	EPA 6010B	QB-01
Vanadium	0.0841		0.0100	mg/L	EPA 6010B	

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Client ID: HA-8 (BASE) LIMS ID: C805399-06

Analyte	Results	Flag	MRL	Units	Method	Notes
Zinc	0.0185	J	0.0200	mg/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: HA-7 (TOP)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805399-01
Sampled: 05/19/08 15:00
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805399
% Solids:

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] ^	**10.6**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 18:04	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0226**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Arsenic [7440-38-2] ^	**0.0835**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Barium [7440-39-3] ^	**0.138**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Boron [7440-42-8] ^	**0.430**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Calcium [7440-70-2] ^	**53.5**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 18:04	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0099**	JB	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	J-01, Q8-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Magnesium [7439-95-4] ^	**0.149**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:30	RBN	
Molybdenum [7439-98-7] ^	**0.123**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 18:04	ACV	Q8-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 18:04	ACV	J-01
Potassium [7440-09-7] ^	**7.36**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Selenium [7782-49-2] ^	**0.121**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	Q8-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Sodium [7440-23-5] ^	**64.4**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Vanadium [7440-62-2] ^	**0.0810**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:04	ACV	
Zinc [7440-66-6] ^	**0.0057**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 18:04	ACV	

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Description:	HA-7 (MID)	**Lab Sample ID:**	C805399-02	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 15:00	**Work Order:**	C805399
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**8.67**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 18:29	ACV	QB-01
Antimony [7440-36-0] ^	**0.0301**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Arsenic [7440-38-2] ^	**0.135**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Barium [7440-39-3] ^	**0.146**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Boron [7440-42-8] ^	**0.570**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Calcium [7440-70-2] ^	**56.0**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 18:29	ACV	QB-01
Chromium [7440-47-3] ^	**0.0040**	JB	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Magnesium [7439-95-4] ^	**0.151**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:32	RBN	
Molybdenum [7439-98-7] ^	**0.170**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 18:29	ACV	QB-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 18:29	ACV	J-01
Potassium [7440-09-7] ^	**10.7**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Selenium [7782-49-2] ^	**0.164**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Sodium [7440-23-5] ^	**72.3**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Vanadium [7440-62-2] ^	**0.0739**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:29	ACV	
Zinc [7440-66-6] ^	0.0029	U	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 18:29	ACV	

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Description:	HA-7 (BASE)	**Lab Sample ID:**	C805399-03	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 16:00	**Work Order:**	C805399
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**10.1**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 18:36	ACV	QB-01
Antimony [7440-36-0] ^	**0.0230**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Arsenic [7440-38-2] ^	**0.114**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Barium [7440-39-3] ^	**0.178**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Boron [7440-42-8] ^	**0.416**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Calcium [7440-70-2] ^	**58.1**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 18:36	ACV	QB-01
Chromium [7440-47-3] ^	**0.0046**	JB	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Magnesium [7439-95-4] ^	**0.109**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:33	RBN	
Molybdenum [7439-98-7] ^	**0.135**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 18:36	ACV	QB-01
Nickel [7440-02-0] ^	**0.0009**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 18:36	ACV	J-01
Potassium [7440-09-7] ^	**7.13**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Selenium [7782-49-2] ^	**0.118**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Sodium [7440-23-5] ^	**69.2**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Vanadium [7440-62-2] ^	**0.0631**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 18:36	ACV	
Zinc [7440-66-6] ^	0.0029	U	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 18:36	ACV	

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Description:	HA-8 (TOP)	**Lab Sample ID:**	C805399-04	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 16:00	**Work Order:**	C805399
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**7.41**		mg/L	1	0.0220	0.200	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Antimony [7440-36-0] ^	**0.0242**		mg/L	1	0.0031	0.0200	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Arsenic [7440-38-2] ^	**0.0974**		mg/L	1	0.0024	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Barium [7440-39-3] ^	**0.126**		mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Boron [7440-42-8] ^	**0.528**	B	mg/L	1	0.0019	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	QB-01
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Calcium [7440-70-2] ^	**49.9**	B	mg/L	1	0.0130	0.500	8F03019	EPA 6010B	06/06/08 15:02	ACV	QB-01
Chromium [7440-47-3] ^	**0.0061**	JB	mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Iron [7439-89-6] ^	**0.0080**	J	mg/L	1	0.0048	0.0500	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Magnesium [7439-95-4] ^	**0.133**	J	mg/L	1	0.0150	0.500	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:35	RBN	
Molybdenum [7439-98-7] ^	**0.158**	B	mg/L	1	0.0001	0.0020	8F03019	EPA 6010B	06/06/08 15:02	ACV	QB-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Potassium [7440-09-7] ^	**7.25**		mg/L	1	0.054	0.500	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Selenium [7782-49-2] ^	**0.130**		mg/L	1	0.0037	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Sodium [7440-23-5] ^	**65.9**	B	mg/L	1	0.0380	0.500	8F03019	EPA 6010B	06/06/08 15:02	ACV	QB-01
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Vanadium [7440-62-2] ^	**0.101**		mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:02	ACV	
Zinc [7440-66-6] ^	0.0029	U	mg/L	1	0.0029	0.0200	8F03019	EPA 6010B	06/06/08 15:02	ACV	

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Description:	HA-8 (MID)	**Lab Sample ID:**	C805399-05	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 16:00	**Work Order:**	C805399
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**17.4**		mg/L	1	0.0220	0.200	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Antimony [7440-36-0] ^	**0.0208**		mg/L	1	0.0031	0.0200	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Arsenic [7440-38-2] ^	**0.0564**		mg/L	1	0.0024	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Barium [7440-39-3] ^	**0.128**		mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Boron [7440-42-8] ^	**0.256**	B	mg/L	1	0.0019	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	Q8-01
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Calcium [7440-70-2] ^	**51.3**	B	mg/L	1	0.0130	0.500	8F03019	EPA 6010B	06/06/08 15:09	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0083**	JB	mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Magnesium [7439-95-4] ^	**0.120**	J	mg/L	1	0.0150	0.500	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02016	EPA 7470A	06/03/08 11:02	RBN	
Molybdenum [7439-98-7] ^	**0.170**	B	mg/L	1	0.0001	0.0020	8F03019	EPA 6010B	06/06/08 15:09	ACV	Q8-01
Nickel [7440-02-0] ^	**0.0010**	J	mg/L	1	0.0008	0.0500	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Potassium [7440-09-7] ^	**17.0**		mg/L	1	0.054	0.500	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Selenium [7782-49-2] ^	**0.0590**		mg/L	1	0.0037	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Sodium [7440-23-5] ^	**64.4**	B	mg/L	1	0.0380	0.500	8F03019	EPA 6010B	06/06/08 15:09	ACV	Q8-01
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Vanadium [7440-62-2] ^	**0.0849**		mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:09	ACV	
Zinc [7440-66-6] ^	**0.0049**	J	mg/L	1	0.0029	0.0200	8F03019	EPA 6010B	06/06/08 15:09	ACV	

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Description: HA-8 (BASE)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805399-06
Sampled: 05/19/08 17:08
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805399
% Solids:

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] ^	**2.22**		mg/L	1	0.0220	0.200	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Antimony [7440-36-0] ^	**0.0174**	J	mg/L	1	0.0031	0.0200	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Arsenic [7440-38-2] ^	**0.121**		mg/L	1	0.0024	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Barium [7440-39-3] ^	**0.153**		mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Boron [7440-42-8] ^	**0.366**	B	mg/L	1	0.0019	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	QB-01
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Calcium [7440-70-2] ^	**21.6**	B	mg/L	1	0.0130	0.500	8F03019	EPA 6010B	06/06/08 15:15	ACV	QB-01
Chromium [7440-47-3] ^	**0.0055**	JB	mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Iron [7439-89-6] ^	**0.554**		mg/L	1	0.0048	0.0500	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Magnesium [7439-95-4] ^	**1.22**		mg/L	1	0.0150	0.500	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Manganese [7439-96-5] ^	**0.0014**	J	mg/L	1	0.0002	0.0020	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02016	EPA 7470A	06/03/08 11:07	RBN	
Molybdenum [7439-98-7] ^	**0.0540**	B	mg/L	1	0.0001	0.0020	8F03019	EPA 6010B	06/06/08 15:15	ACV	QB-01
Nickel [7440-02-0] ^	**0.0015**	J	mg/L	1	0.0008	0.0500	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Potassium [7440-09-7] ^	**1.46**		mg/L	1	0.054	0.500	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Selenium [7782-49-2] ^	**0.0465**		mg/L	1	0.0037	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Sodium [7440-23-5] ^	**29.3**	B	mg/L	1	0.0380	0.500	8F03019	EPA 6010B	06/06/08 15:15	ACV	QB-01
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Vanadium [7440-62-2] ^	**0.0841**		mg/L	1	0.0004	0.0100	8F03019	EPA 6010B	06/06/08 15:15	ACV	
Zinc [7440-66-6] ^	**0.0185**	J	mg/L	1	0.0029	0.0200	8F03019	EPA 6010B	06/06/08 15:15	ACV	

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

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QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F02015 - EPA 7470A

Blank (8F02015-BLK1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:43

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 (8F02015-BLK2) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:56

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 (8F02015-BS1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00529		0.00020	mg/L	0.00500		106	85-115			

Matrix Spike (8F02015-MS1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:47

Source: B803734-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00625		0.00020	mg/L	0.00500	0.000054 U	125	85-115			QM-14

Matrix Spike Dup (8F02015-MSD1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:49

Source: B803734-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00641		0.00020	mg/L	0.00500	0.000054 U	128	85-115	2	25	QM-14

Batch 8F02016 - EPA 7470A

Blank (8F02016-BLK1) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:37

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 (8F02016-BLK2) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:48

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

Blank (8F02016-BLK3) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:49

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

Blank (8F02016-BLK5) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:51

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

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SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F02016 - EPA 7470A

LCS (8F02016-BS1) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:38

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 (8F02016-MS1) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:40

Source: B803567-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0651		0.00200	mg/L	0.0500	0.00054 U	130	85-115			QM-14

Matrix Spike Dup (8F02016-MSD1) Prepared: 06/02/2008 12:06 Analyzed: 06/03/2008 10:42

Source: B803567-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0633		0.00200	mg/L	0.0500	0.00054 U	127	85-115	3	25	QM-14

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK1) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:04

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	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0415**	**J**	0.500	mg/L							
Chromium	**0.0007**	**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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	**0.0007**	**J**	0.0020	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	**0.0037**	**J**	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03018-BLK2) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 15:59

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

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SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK2) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 15:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**0.0222**	J	0.200	mg/L							
Antimony	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0431**	J	0.500	mg/L							
Chromium	**0.0011**	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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	0.0001	U	0.0020	mg/L							
Nickel	**0.0012**	J	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03018-BLK3) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0155	U	0.100	mg/L							
Arsenic	0.0120	U	0.0500	mg/L							
Beryllium	0.0008	U	0.0050	mg/L							
Cadmium	0.0009	U	0.0050	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							
Molybdenum	0.0007	U	0.0100	mg/L							
Selenium	0.0185	U	0.0500	mg/L							
Silver	0.0020	U	0.0500	mg/L							
Thallium	0.0255	U	0.0500	mg/L							
Vanadium	0.0022	U	0.0500	mg/L							

LCS (8F03018-BS1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10.2	B	0.200	mg/L	10.0		102	84-119			
Antimony	0.523		0.0200	mg/L	0.500		105	87-111			
Arsenic	1.01		0.0100	mg/L	1.00		101	89-116			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

LCS (8F03018-BS1) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Barium	1.01		0.0100	mg/L	1.00		101	89-113			
Beryllium	0.501		0.0010	mg/L	0.500		100	90-111			
Boron	1.00		0.0100	mg/L	1.00		100	89-116			
Cadmium	0.507		0.0010	mg/L	0.500		101	90-112			
Calcium	10.0	B	0.500	mg/L	10.0		100	84-118			
Chromium	1.02	B	0.0100	mg/L	1.00		102	89-114			
Cobalt	1.03		0.0100	mg/L	1.00		103	90-114			
Copper	0.514		0.0100	mg/L	0.500		103	90-112			
Iron	10.0		0.0500	mg/L	10.0		100	90-110			
Lead	1.02		0.0100	mg/L	1.00		102	90-113			
Magnesium	10.1		0.500	mg/L	10.0		101	90-111			
Manganese	0.511		0.0020	mg/L	0.500		102	90-112			
Molybdenum	0.502	B	0.0020	mg/L	0.500		100	89-110			
Nickel	1.02	B	0.0500	mg/L	1.00		102	88-116			
Potassium	51.0		0.500	mg/L	50.0		102	90-110			
Selenium	1.04	B	0.0100	mg/L	1.00		104	90-118			
Silver	0.0968		0.0100	mg/L	0.100		97	87-112			
Sodium	51.7		0.500	mg/L	50.0		103	90-113			
Thallium	0.508		0.0100	mg/L	0.500		102	90-112			
Vanadium	0.504		0.0100	mg/L	0.500		101	88-114			
Zinc	1.03		0.0200	mg/L	1.00		103	88-116			

Matrix Spike (8F03018-MS1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:11

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	78.7	B	1.00	mg/L	50.0	26.7	104	84-119			
Antimony	2.60		0.100	mg/L	2.50	0.0204	103	87-111			
Arsenic	5.02		0.0500	mg/L	5.00	0.0120 U	100	89-116			
Barium	5.46		0.0500	mg/L	5.00	0.478	100	89-113			
Beryllium	2.49		0.0050	mg/L	2.50	0.0008 U	99	90-111			
Boron	6.83		0.0500	mg/L	5.00	1.85	100	89-116			
Cadmium	2.51		0.0050	mg/L	2.50	0.0009 U	100	90-112			
Calcium	58.4	B	2.50	mg/L	50.0	8.31	100	84-118			
Chromium	5.03	B	0.0500	mg/L	5.00	0.00820	100	89-114			
Cobalt	5.00		0.0500	mg/L	5.00	0.0012 U	100	90-114			
Copper	2.61		0.0500	mg/L	2.50	0.0060 U	104	90-112			
Iron	48.8		0.250	mg/L	50.0	0.0240 U	98	90-110			
Lead	5.09		0.0500	mg/L	5.00	0.00887	102	90-113			
Magnesium	51.2		2.50	mg/L	50.0	0.967	101	90-111			
Manganese	2.51		0.0100	mg/L	2.50	0.00260	100	90-112			
Molybdenum	2.50	B	0.0100	mg/L	2.50	0.00501	100	89-110			
Nickel	5.02	B	0.250	mg/L	5.00	0.0137	100	88-116			
Potassium	255		2.50	mg/L	250	1.93	101	90-110			
Selenium	5.24	B	0.0500	mg/L	5.00	0.0185 U	105	90-118			
Silver	0.487		0.0500	mg/L	0.500	0.0020 U	97	87-112			
Sodium	1730		2.50	mg/L	250	1460	108	90-113			
Thallium	2.47		0.0500	mg/L	2.50	0.0255 U	99	90-112			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Matrix Spike (8F03018-MS1) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:11

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	2.50		0.0500	mg/L	2.50	0.0022 U	100	88-114			
Zinc	5.42		0.100	mg/L	5.00	0.227	104	88-116			

Matrix Spike Dup (8F03018-MSD1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:17

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	78.7	B	1.00	mg/L	50.0	26.7	104	84-119	0.02	25	
Antimony	2.60		0.100	mg/L	2.50	0.0204	103	87-111	0.3	25	
Arsenic	5.03		0.0500	mg/L	5.00	0.0120 U	101	89-116	0.2	25	
Barium	5.46		0.0500	mg/L	5.00	0.478	100	89-113	0.2	25	
Beryllium	2.49		0.0050	mg/L	2.50	0.0008 U	100	90-111	0.2	25	
Boron	6.85		0.0500	mg/L	5.00	1.85	100	89-116	0.2	25	
Cadmium	2.52		0.0050	mg/L	2.50	0.0009 U	101	90-112	0.4	25	
Calcium	58.2	B	2.50	mg/L	50.0	8.31	100	84-118	0.3	25	
Chromium	5.05	B	0.0500	mg/L	5.00	0.00820	101	89-114	0.3	25	
Cobalt	5.01		0.0500	mg/L	5.00	0.0012 U	100	90-114	0.2	25	
Copper	2.61		0.0500	mg/L	2.50	0.0060 U	105	90-112	0.3	25	
Iron	48.9		0.250	mg/L	50.0	0.0240 U	98	90-110	0.3	25	
Lead	5.09		0.0500	mg/L	5.00	0.00887	102	90-113	0.1	25	
Magnesium	51.4		2.50	mg/L	50.0	0.967	101	90-111	0.4	25	
Manganese	2.50		0.0100	mg/L	2.50	0.00260	100	90-112	0.07	25	
Molybdenum	2.49	B	0.0100	mg/L	2.50	0.00501	100	89-110	0.4	25	
Nickel	5.04	B	0.250	mg/L	5.00	0.0137	101	88-116	0.5	25	
Potassium	255		2.50	mg/L	250	1.93	101	90-110	0.09	25	
Selenium	5.23	B	0.0500	mg/L	5.00	0.0185 U	105	90-118	0.05	25	
Silver	0.486		0.0500	mg/L	0.500	0.0020 U	97	87-112	0.2	25	
Sodium	1720		2.50	mg/L	250	1460	100	90-113	1	25	
Thallium	2.48		0.0500	mg/L	2.50	0.0255 U	99	90-112	0.2	25	
Vanadium	2.50		0.0500	mg/L	2.50	0.0022 U	100	88-114	0.3	25	
Zinc	5.43		0.100	mg/L	5.00	0.227	104	88-116	0.3	25	

Batch 8F03019 - EPA 3010A

Blank (8F03019-BLK1) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 13:47

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	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	**0.0048**	**J**	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0414**	**J**	0.500	mg/L							
Chromium	**0.0005**	**J**	0.0100	mg/L							
Cobalt	0.0002	U	0.0100	mg/L							

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SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03019 - EPA 3010A

Blank (8F03019-BLK1) Continued Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 13:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	0.0002	U	0.0020	mg/L							
Molybdenum	0.0001	U	0.0020	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	**0.0502**	**J**	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03019-BLK2) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 13:53

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	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	**0.0033**	**J**	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0431**	**J**	0.500	mg/L							
Chromium	**0.0010**	**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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	**0.0002**	**J**	0.0020	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03019-BLK3) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:00

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	0.0031	U	0.0200	mg/L							

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03019 - EPA 3010A

Blank (8F03019-BLK3) Continued Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0451**	J	0.500	mg/L							
Chromium	**0.0006**	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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	**0.0002**	J	0.0020	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03019-BLK4) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.0120	U	0.0500	mg/L							
Beryllium	0.0008	U	0.0050	mg/L							
Cadmium	0.0009	U	0.0050	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							
Selenium	0.0185	U	0.0500	mg/L							
Silver	0.0020	U	0.0500	mg/L							
Thallium	0.0255	U	0.0500	mg/L							
Vanadium	0.0022	U	0.0500	mg/L							

LCS (8F03019-BS1) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:31

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	0.509		0.0200	mg/L	0.500		102	87-111			
Arsenic	0.988		0.0100	mg/L	1.00		99	89-116			
Barium	0.999		0.0100	mg/L	1.00		100	89-113			
Beryllium	0.497		0.0010	mg/L	0.500		99	90-111			
Boron	1.01	B	0.0100	mg/L	1.00		101	89-116			
Cadmium	0.502		0.0010	mg/L	0.500		100	90-112			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03019 - EPA 3010A

LCS (8F03019-BS1) Continued Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:31

Analyte	Result	Flags	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Calcium	10.2	B	0.500	mg/L	10.0		102	84-118			
Chromium	1.01	B	0.0100	mg/L	1.00		101	89-114			
Cobalt	1.01		0.0100	mg/L	1.00		101	90-114			
Copper	0.512		0.0100	mg/L	0.500		102	90-112			
Iron	9.89		0.0500	mg/L	10.0		99	90-110			
Lead	0.994		0.0100	mg/L	1.00		99	90-113			
Magnesium	10.2		0.500	mg/L	10.0		102	90-111			
Manganese	0.505		0.0020	mg/L	0.500		101	90-112			
Molybdenum	0.495	B	0.0020	mg/L	0.500		99	89-110			
Nickel	1.01		0.0500	mg/L	1.00		101	88-116			
Potassium	50.9		0.500	mg/L	50.0		102	90-110			
Selenium	1.03		0.0100	mg/L	1.00		103	90-118			
Silver	0.0954		0.0100	mg/L	0.100		95	87-112			
Sodium	51.5	B	0.500	mg/L	50.0		103	90-113			
Thallium	0.497		0.0100	mg/L	0.500		99	90-112			
Vanadium	0.501		0.0100	mg/L	0.500		100	88-114			
Zinc	1.02		0.0200	mg/L	1.00		102	88-116			

Matrix Spike (8F03019-MS1) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:37

Source: B803008-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	70.3		1.00	mg/L	50.0	15.6	109	84-119			
Antimony	2.62		0.100	mg/L	2.50	0.0408	103	87-111			
Arsenic	5.10		0.0500	mg/L	5.00	0.0120 U	102	89-116			
Barium	5.71		0.0500	mg/L	5.00	0.563	103	89-113			
Beryllium	2.53		0.0050	mg/L	2.50	0.00133	101	90-111			
Boron	5.50	B	0.0500	mg/L	5.00	0.346	103	89-116			
Cadmium	2.59		0.0050	mg/L	2.50	0.00419	103	90-112			
Calcium	59.0	B	2.50	mg/L	50.0	7.22	104	84-118			
Chromium	5.76	B	0.0500	mg/L	5.00	0.570	104	89-114			
Cobalt	5.23		0.0500	mg/L	5.00	0.0196	104	90-114			
Copper	2.79		0.0500	mg/L	2.50	0.121	107	90-112			
Iron	56.1		0.250	mg/L	50.0	4.98	102	90-110			
Lead	5.16		0.0500	mg/L	5.00	0.0402	102	90-113			
Magnesium	52.6		2.50	mg/L	50.0	0.539	104	90-111			
Manganese	2.78		0.0100	mg/L	2.50	0.175	104	90-112			
Molybdenum	2.55	B	0.0100	mg/L	2.50	0.0130	102	89-110			
Nickel	5.76		0.250	mg/L	5.00	0.558	104	88-116			
Potassium	269		2.50	mg/L	250	9.15	104	90-110			
Selenium	5.29		0.0500	mg/L	5.00	0.0185 U	106	90-118			
Silver	0.497		0.0500	mg/L	0.500	0.0020 U	99	87-112			
Sodium	463	B	2.50	mg/L	250	201	105	90-113			
Thallium	2.56		0.0500	mg/L	2.50	0.0255 U	102	90-112			
Vanadium	2.59		0.0500	mg/L	2.50	0.00724	103	88-114			
Zinc	5.57		0.100	mg/L	5.00	0.280	106	88-116			

Matrix Spike Dup (8F03019-MSD1) Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:43

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QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03019 - EPA 3010A

Matrix Spike Dup (8F03019-MSD1) Continued Prepared: 06/03/2008 13:40 Analyzed: 06/06/2008 14:43

Source: B803008-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	69.2		1.00	mg/L	50.0	15.6	107	84-119	2	25	
Antimony	2.57		0.100	mg/L	2.50	0.0408	101	87-111	2	25	
Arsenic	5.02		0.0500	mg/L	5.00	0.0120 U	100	89-116	2	25	
Barium	5.53		0.0500	mg/L	5.00	0.563	99	89-113	3	25	
Beryllium	2.48		0.0050	mg/L	2.50	0.00133	99	90-111	2	25	
Boron	5.44	B	0.0500	mg/L	5.00	0.346	102	89-116	1	25	
Cadmium	2.51		0.0050	mg/L	2.50	0.00419	100	90-112	3	25	
Calcium	58.2	B	2.50	mg/L	50.0	7.22	102	84-118	1	25	
Chromium	5.58	B	0.0500	mg/L	5.00	0.570	100	89-114	3	25	
Cobalt	5.08		0.0500	mg/L	5.00	0.0196	101	90-114	3	25	
Copper	2.70		0.0500	mg/L	2.50	0.121	103	90-112	3	25	
Iron	54.1		0.250	mg/L	50.0	4.98	98	90-110	4	25	
Lead	5.09		0.0500	mg/L	5.00	0.0402	101	90-113	1	25	
Magnesium	51.7		2.50	mg/L	50.0	0.539	102	90-111	2	25	
Manganese	2.69		0.0100	mg/L	2.50	0.175	101	90-112	3	25	
Molybdenum	2.51	B	0.0100	mg/L	2.50	0.0130	100	89-110	2	25	
Nickel	5.57		0.250	mg/L	5.00	0.558	100	88-116	3	25	
Potassium	265		2.50	mg/L	250	9.15	102	90-110	1	25	
Selenium	5.24		0.0500	mg/L	5.00	0.0185 U	105	90-118	0.9	25	
Silver	0.480		0.0500	mg/L	0.500	0.0020 U	96	87-112	3	25	
Sodium	455	B	2.50	mg/L	250	201	102	90-113	2	25	
Thallium	2.52		0.0500	mg/L	2.50	0.0255 U	101	90-112	2	25	
Vanadium	2.51		0.0500	mg/L	2.50	0.00724	100	88-114	3	25	
Zinc	5.40		0.100	mg/L	5.00	0.280	102	88-116	3	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.
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-14	Confirmed matrix effects

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6015
4510 Executive Park Court, Suite 211 Jacksonville, FL 32216-0183 (904) 296-3007 Fax (904) 296-6210
2015 Prospect Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-9848

Page 1 of 1

Client Name: Linkey-Hom & Assoc	Project Number: 1164360000
Address: 501 Independence Pkwy Ste 300	Project Location: Battlefield Fly-Ash
City/ST/Zip: Chesapeake, VA 23320	PO # (Billing Info):
Ph: 757-548-7300 Fax: 757-548-7301	Reporting Contact:
Sampler(s) Name, Affiliation (Print): M. Tumshchenko	Bills Contact: M. Tumshchenko
Sampler(s) Signature: M. Tumshchenko	Facility # (If Required):

Requested Analyses: SPLP

Requested Turnaround Times: Note: Rush requests subject to availability. X Standard ___ Expedited Due __/__/__

Lab Workorder: C805399

Preservation (See Codes) (Continue as necessary)

Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Sample Comments
HA-7	5-19-08	2:00	G	SE	2	55" - 71"
HA-7	↓	↓	↓	↓	2	108" - 124"
HA-7		4:00			4	162" - 180"
HA-8		4:00			4	69" - 88"
HA-8		↓			4	154" - 171"
HA-8	↓	5:08	↓	↓	4	214" - 229"
					20	← Total # of Containers

Sample Kit Prepared By:	Date/Time:	Relinquished By:	Date/Time: 5/22/08 1:20	Received By: Briana Hughes	Date/Time: 5/23/08 11:05
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler Air & Temps on Receipt: On Ice		Conform Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater, SO-Soil, SE-Sediment, SW-Surface Water, WW-Wastewater, A-Air, O-Other (state in comments) Preservation: Use H-HCL, N-HNO3, S-H2SO4, ND-NaOH, O-Other (state in comments)

Note: All samples subject to ENCO terms and conditions of sale (see reverse side of this form, unless prior written agreement exists)

www.encolabs.com

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

Monday, June 9, 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: C805397

Dear Mike Iwashchenko,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, May 23, 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

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 19.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: HA-3 (TOP) Lab ID: C805397-01 Sampled: 05/14/08 14:30 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/10/08		06/03/08	13:34	6/6/2008 17:20
EPA 6010B	11/10/08	11/30/08	06/03/08	13:34	6/6/2008 17:20
EPA 7470A	06/11/08		06/02/08	12:02	6/3/2008 10:15

Client ID: HA-3 (MID) Lab ID: C805397-02 Sampled: 05/14/08 14:30 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/10/08		06/03/08	13:34	6/6/2008 17:26
EPA 6010B	11/10/08	11/30/08	06/03/08	13:34	6/6/2008 17:26
EPA 7470A	06/11/08		06/02/08	12:02	6/3/2008 10:17

Client ID: HA-3 (BASE) Lab ID: C805397-03 Sampled: 05/14/08 14:30 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/10/08		06/03/08	13:34	6/6/2008 17:32
EPA 6010B	11/10/08	11/30/08	06/03/08	13:34	6/6/2008 17:32
EPA 7470A	06/11/08		06/02/08	12:02	6/3/2008 10:19

Client ID: HA-3 (SAT) Lab ID: C805397-04 Sampled: 05/14/08 14:30 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/10/08		06/03/08	13:34	6/6/2008 17:39
EPA 6010B	11/10/08	11/30/08	06/03/08	13:34	6/6/2008 17:39
EPA 7470A	06/11/08		06/02/08	12:02	6/3/2008 10:20

Client ID: HA-4 (TOP) Lab ID: C805397-05 Sampled: 05/19/08 10:15 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 17:45
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 17:45
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:22

Client ID: HA-4 (MID) Lab ID: C805397-06 Sampled: 05/19/08 10:15 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 17:51
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 17:51
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:27

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Client ID: HA-4 (BASE)	Lab ID: C8D5397-07	Sampled: 05/19/08 10:45	Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008	17:58
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008	17:58
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008	10:29

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SAMPLE DETECTION SUMMARY

Client ID: HA-3 (CUP) Lab ID: C805397-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	0.890	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0169	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.170		0.0100	mg/L	EPA 6010B	
Barium	0.215		0.0100	mg/L	EPA 6010B	
Boron	0.455		0.0100	mg/L	EPA 6010B	
Calcium	65.7	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0239	B	0.0100	mg/L	EPA 6010B	QB-01
Iron	0.0510		0.0500	mg/L	EPA 6010B	
Magnesium	1.55		0.500	mg/L	EPA 6010B	
Manganese	0.0002	J	0.0020	mg/L	EPA 6010B	
Molybdenum	0.0544	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0009	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	7.99		0.500	mg/L	EPA 6010B	
Selenium	0.154	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	75.6		0.500	mg/L	EPA 6010B	
Vanadium	0.0322		0.0100	mg/L	EPA 6010B	
Zinc	0.0100	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-3 (HID) Lab ID: C805397-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	6.01	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0294		0.0200	mg/L	EPA 6010B	
Arsenic	0.217		0.0100	mg/L	EPA 6010B	
Barium	0.369		0.0100	mg/L	EPA 6010B	
Boron	0.443		0.0100	mg/L	EPA 6010B	
Calcium	56.3	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0214	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.319	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.0398	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0010	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	8.36		0.500	mg/L	EPA 6010B	
Selenium	0.182	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	67.6		0.500	mg/L	EPA 6010B	
Vanadium	0.0563		0.0100	mg/L	EPA 6010B	
Zinc	0.0089	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-3 (BASE) Lab ID: C805397-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	6.34	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0280		0.0200	mg/L	EPA 6010B	
Arsenic	0.132		0.0100	mg/L	EPA 6010B	
Barium	0.375		0.0100	mg/L	EPA 6010B	
Boron	0.479		0.0100	mg/L	EPA 6010B	
Calcium	59.8	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0069	JB	0.0100	mg/L	EPA 6010B	J-01
Magnesium	0.318	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.0953	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0011	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	12.0		0.500	mg/L	EPA 6010B	

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Client ID: HA-3 (BASE) Lab ID: C805397-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Selenium	0.205	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	82.9		0.500	mg/L	EPA 6010B	
Vanadium	0.0737		0.0100	mg/L	EPA 6010B	
Zinc	0.0231		0.0200	mg/L	EPA 6010B	

Client ID: HA-3 (SAT) Lab ID: C805397-04

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	1.04	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0111	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0898		0.0100	mg/L	EPA 6010B	
Barium	0.213		0.0100	mg/L	EPA 6010B	
Boron	0.249		0.0100	mg/L	EPA 6010B	
Calcium	38.4	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0031	JB	0.0100	mg/L	EPA 6010B	J-01
Magnesium	1.17		0.500	mg/L	EPA 6010B	
Manganese	0.0010	J	0.0020	mg/L	EPA 6010B	
Molybdenum	0.112	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	15.8		0.500	mg/L	EPA 6010B	
Selenium	0.0877	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	48.0		0.500	mg/L	EPA 6010B	
Vanadium	0.0490		0.0100	mg/L	EPA 6010B	
Zinc	0.0055	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-4 (TOP) Lab ID: C805397-05

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	6.46	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0262		0.0200	mg/L	EPA 6010B	
Arsenic	0.122		0.0100	mg/L	EPA 6010B	
Barium	0.151		0.0100	mg/L	EPA 6010B	
Boron	0.640		0.0100	mg/L	EPA 6010B	
Calcium	59.2	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0145	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.486	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.0236	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0010	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	1.70		0.500	mg/L	EPA 6010B	
Selenium	0.165	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	16.2		0.500	mg/L	EPA 6010B	
Vanadium	0.0839		0.0100	mg/L	EPA 6010B	
Zinc	0.0136	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-4 (MID) Lab ID: C805397-06

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	7.63	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0249		0.0200	mg/L	EPA 6010B	
Arsenic	0.145		0.0100	mg/L	EPA 6010B	
Barium	0.169		0.0100	mg/L	EPA 6010B	
Boron	0.401		0.0100	mg/L	EPA 6010B	
Calcium	44.8	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0169	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.164	J	0.500	mg/L	EPA 6010B	

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Client ID: HA-4 (MID) Lab ID: C805397-06

Analyte	Results	Flag	MRL	Units	Method	Notes
Molybdenum	0.0446	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	6.81		0.500	mg/L	EPA 6010B	
Selenium	0.157	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	35.2		0.500	mg/L	EPA 6010B	
Vanadium	0.0780		0.0100	mg/L	EPA 6010B	
Zinc	0.0126	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-4 (BASE) Lab ID: C805397-07

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	8.40	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0265		0.0200	mg/L	EPA 6010B	
Arsenic	0.179		0.0100	mg/L	EPA 6010B	
Barium	0.302		0.0100	mg/L	EPA 6010B	
Boron	0.424		0.0100	mg/L	EPA 6010B	
Calcium	53.9	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0181	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.179	J	0.500	mg/L	EPA 6010B	
Manganese	0.0007	J	0.0020	mg/L	EPA 6010B	
Molybdenum	0.143	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	20.3		0.500	mg/L	EPA 6010B	
Selenium	0.170	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	82.7		0.500	mg/L	EPA 6010B	
Vanadium	0.0879		0.0100	mg/L	EPA 6010B	
Zinc	0.0096	J	0.0200	mg/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: HA-3 (TOP)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805397-01
Sampled: 05/14/08 14:30
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805397
% Solids:

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] ^	**0.890**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:20	ACV	QB-01
Antimony [7440-36-0] ^	**0.0169**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Arsenic [7440-38-2] ^	**0.170**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Barium [7440-39-3] ^	**0.215**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Boron [7440-42-8] ^	**0.455**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Calcium [7440-70-2] ^	**65.7**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:20	ACV	QB-01
Chromium [7440-47-3] ^	**0.0239**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	QB-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Iron [7439-89-6] ^	**0.0510**		mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Magnesium [7439-95-4] ^	**1.55**		mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Manganese [7439-96-5] ^	**0.0002**	J	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:15	RBN	
Molybdenum [7439-98-7] ^	**0.0544**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:20	ACV	QB-01
Nickel [7440-02-0] ^	**0.0009**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:20	ACV	J-01
Potassium [7440-09-7] ^	**7.99**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Selenium [7782-49-2] ^	**0.154**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Sodium [7440-23-5] ^	**75.6**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Vanadium [7440-62-2] ^	**0.0322**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:20	ACV	
Zinc [7440-66-6] ^	**0.0100**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:20	ACV	

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Description:	HA-3 (MID)	**Lab Sample ID:**	C805397-02	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/14/08 14:30	**Work Order:**	C805397
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**6.01**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:26	ACV	QB-01
Antimony [7440-36-0] ^	**0.0294**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Arsenic [7440-38-2] ^	**0.217**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Barium [7440-39-3] ^	**0.369**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Boron [7440-42-8] ^	**0.443**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Calcium [7440-70-2] ^	**56.3**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:26	ACV	QB-01
Chromium [7440-47-3] ^	**0.0214**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	QB-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Magnesium [7439-95-4] ^	**0.319**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:17	RBN	
Molybdenum [7439-98-7] ^	**0.0398**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:26	ACV	QB-01
Nickel [7440-02-0] ^	**0.0010**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:26	ACV	J-01
Potassium [7440-09-7] ^	**3.36**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Selenium [7782-49-2] ^	**0.182**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Sodium [7440-23-5] ^	**67.6**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Vanadium [7440-62-2] ^	**0.0563**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:26	ACV	
Zinc [7440-66-6] ^	**0.0089**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:26	ACV	

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Description:	HA-3 (BASE)	**Lab Sample ID:**	C805397-03	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/14/08 14:30	**Work Order:**	C805397
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**6.34**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:32	ACV	QB-01
Antimony [7440-36-0] ^	**0.0280**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Arsenic [7440-38-2] ^	**0.132**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Barium [7440-39-3] ^	**0.375**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Boron [7440-42-8] ^	**0.479**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Calcium [7440-70-2] ^	**59.8**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:32	ACV	QB-01
Chromium [7440-47-3] ^	**0.0069**	JB	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Magnesium [7439-95-4] ^	**0.318**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:19	RBN	
Molybdenum [7439-98-7] ^	**0.0953**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:32	ACV	QB-01
Nickel [7440-02-0] ^	**0.0011**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:32	ACV	J-01
Potassium [7440-09-7] ^	**12.0**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Selenium [7782-49-2] ^	**0.205**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Sodium [7440-23-5] ^	**82.9**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Vanadium [7440-62-2] ^	**0.0737**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:32	ACV	
Zinc [7440-66-6] ^	**0.0231**		mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:32	ACV	

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

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Description: HA-3 (SAT)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805397-04
Sampled: 05/14/08 14:30
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805397
% Solids:

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] ^	**1.04**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:39	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0111**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Arsenic [7440-38-2] ^	**0.0898**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Barium [7440-39-3] ^	**0.213**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Boron [7440-42-8] ^	**0.249**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Calcium [7440-70-2] ^	**38.4**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:39	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0031**	JB	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Magnesium [7439-95-4] ^	**1.17**		mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Manganese [7439-96-5] ^	**0.0010**	J	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:20	RBN	
Molybdenum [7439-98-7] ^	**0.112**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:39	ACV	Q3-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Potassium [7440-09-7] ^	**15.8**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Selenium [7782-49-2] ^	**0.0877**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	Q3-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Sodium [7440-23-5] ^	**48.0**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Vanadium [7440-62-2] ^	**0.0490**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:39	ACV	
Zinc [7440-66-6] ^	**0.0055**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:39	ACV	

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Description:	HA-4 (TOP)	**Lab Sample ID:**	C805397-05	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 10:15	**Work Order:**	C805397
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**6.46**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:45	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0262**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Arsenic [7440-38-2] ^	**0.122**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Barium [7440-39-3] ^	**0.151**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Boron [7440-42-8] ^	**0.640**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Calcium [7440-70-2] ^	**59.2**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:45	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0145**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	Q8-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Magnesium [7439-95-4] ^	**0.486**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:22	RBN	
Molybdenum [7439-98-7] ^	**0.0236**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:45	ACV	Q8-01
Nickel [7440-02-0] ^	**0.0010**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:45	ACV	J-01
Potassium [7440-09-7] ^	**1.70**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Selenium [7782-49-2] ^	**0.165**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	Q8-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Sodium [7440-23-5] ^	**16.2**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Vanadium [7440-62-2] ^	**0.0839**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:45	ACV	
Zinc [7440-66-6] ^	**0.0136**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:45	ACV	

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Description: HA-4 (MID)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805397-06
Sampled: 05/19/08 10:15
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805397
% Solids:

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] ^	**7.63**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:51	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0249**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Arsenic [7440-38-2] ^	**0.145**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Barium [7440-39-3] ^	**0.169**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Boron [7440-42-8] ^	**0.401**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Calcium [7440-70-2] ^	**44.8**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:51	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0169**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	Q8-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Magnesium [7439-95-4] ^	**0.164**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	05/03/08 10:27	RBN	
Molybdenum [7439-98-7] ^	**0.0446**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:51	ACV	Q8-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:51	ACV	J-01
Potassium [7440-09-7] ^	**6.81**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Selenium [7782-49-2] ^	**0.157**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	Q8-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Sodium [7440-23-5] ^	**35.2**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Vanadium [7440-62-2] ^	**0.0780**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:51	ACV	
Zinc [7440-66-6] ^	**0.0126**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:51	ACV	

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Description:	HA-4 (BASE)	**Lab Sample ID:**	C805397-07	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 10:15	**Work Order:**	C805397
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**8.40**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:58	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0265**		mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Arsenic [7440-38-2] ^	**0.179**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Barium [7440-39-3] ^	**0.302**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Boron [7440-42-8] ^	**0.424**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Calcium [7440-70-2] ^	**53.9**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:58	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0181**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	Q8-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Magnesium [7439-95-4] ^	**0.179**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Manganese [7439-96-5] ^	**0.0007**	J	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:29	RBN	
Molybdenum [7439-98-7] ^	**0.143**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:58	ACV	Q8-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Potassium [7440-09-7] ^	**20.3**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Selenium [7782-49-2] ^	**0.170**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	Q8-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Sodium [7440-23-5] ^	**82.7**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Vanadium [7440-62-2] ^	**0.0879**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:58	ACV	
Zinc [7440-66-6] ^	**0.0096**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:58	ACV	

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QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F02015 - EPA 7470A

Blank (8F02015-BLK1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:43

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 (8F02015-BLK2) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:56

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 (8F02015-BS1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00529		0.00020	mg/L	0.00500		106	85-115			

Matrix Spike (8F02015-MS1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:47

Source: B803734-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00525		0.00020	mg/L	0.00500	0.000054 U	125	85-115			QM-14

Matrix Spike Dup (8F02015-MSD1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:49

Source: B803734-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00641		0.00020	mg/L	0.00500	0.000054 U	128	85-115	2	25	QM-14

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK1) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:04

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	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0415**	J	0.500	mg/L							
Chromium	**0.0007**	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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	**0.0007**	J	0.0020	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK1) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	**0.0037**	**J**	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03018-BLK2) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 15:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**0.0222**	**J**	0.200	mg/L							
Antimony	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0431**	**J**	0.500	mg/L							
Chromium	**0.0011**	**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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	0.0001	U	0.0020	mg/L							
Nickel	**0.0012**	**J**	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03018-BLK3) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0155	U	0.100	mg/L							
Arsenic	0.0120	U	0.0500	mg/L							
Beryllium	0.0008	U	0.0050	mg/L							
Cadmium	0.0009	U	0.0050	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							
Molybdenum	0.0007	U	0.0100	mg/L							
Selenium	0.0185	U	0.0500	mg/L							

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QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK3) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 21:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	0.0020	U	0.0500	mg/L							
Thallium	0.0255	U	0.0500	mg/L							
Vanadium	0.0022	U	0.0500	mg/L							

LCS (8F03018-BS1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10.2	B	0.200	mg/L	10.0		102	84-119			
Antimony	0.523		0.0200	mg/L	0.500		105	87-111			
Arsenic	1.01		0.0100	mg/L	1.00		101	89-116			
Barium	1.01		0.0100	mg/L	1.00		101	89-113			
Beryllium	0.501		0.0010	mg/L	0.500		100	90-111			
Boron	1.00		0.0100	mg/L	1.00		100	89-116			
Cadmium	0.507		0.0010	mg/L	0.500		101	90-112			
Calcium	10.0	B	0.500	mg/L	10.0		100	84-118			
Chromium	1.02	B	0.0100	mg/L	1.00		102	89-114			
Cobalt	1.03		0.0100	mg/L	1.00		103	90-114			
Copper	0.514		0.0100	mg/L	0.500		103	90-112			
Iron	10.0		0.0500	mg/L	10.0		100	90-110			
Lead	1.02		0.0100	mg/L	1.00		102	90-113			
Magnesium	10.1		0.500	mg/L	10.0		101	90-111			
Manganese	0.511		0.0020	mg/L	0.500		102	90-112			
Molybdenum	0.502	B	0.0020	mg/L	0.500		100	89-110			
Nickel	1.02	B	0.0500	mg/L	1.00		102	88-116			
Potassium	51.0		0.500	mg/L	50.0		102	90-110			
Selenium	1.04	B	0.0100	mg/L	1.00		104	90-118			
Silver	0.0968		0.0100	mg/L	0.100		97	87-112			
Sodium	51.7		0.500	mg/L	50.0		103	90-113			
Thallium	0.508		0.0100	mg/L	0.500		102	90-112			
Vanadium	0.504		0.0100	mg/L	0.500		101	88-114			
Zinc	1.03		0.0200	mg/L	1.00		103	88-116			

Matrix Spike (8F03018-MS1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:11

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	78.7	B	1.00	mg/L	50.0	26.7	104	84-119			
Antimony	2.60		0.100	mg/L	2.50	0.0204	103	87-111			
Arsenic	5.02		0.0500	mg/L	5.00	0.0120 U	100	89-116			
Barium	5.46		0.0500	mg/L	5.00	0.478	100	89-113			
Beryllium	2.49		0.0050	mg/L	2.50	0.0008 U	99	90-111			
Boron	6.83		0.0500	mg/L	5.00	1.85	100	89-116			
Cadmium	2.51		0.0050	mg/L	2.50	0.0009 U	100	90-112			
Calcium	58.4	B	2.50	mg/L	50.0	8.31	100	84-118			
Chromium	5.03	B	0.0500	mg/L	5.00	0.00820	100	89-114			
Cobalt	5.00		0.0500	mg/L	5.00	0.0012 U	100	90-114			
Copper	2.61		0.0500	mg/L	2.50	0.0060 U	104	90-112			
Iron	48.8		0.250	mg/L	50.0	0.0240 U	98	90-110			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Matrix Spike (8F03018-MS1) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:11

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	5.09		0.0500	mg/L	5.00	0.00887	102	90-133			
Magnesium	51.2		2.50	mg/L	50.0	0.967	101	90-111			
Manganese	2.51		0.0100	mg/L	2.50	0.00260	100	90-112			
Molybdenum	2.50	B	0.0100	mg/L	2.50	0.00501	100	89-110			
Nickel	5.02	B	0.250	mg/L	5.00	0.0137	100	88-116			
Potassium	255		2.50	mg/L	250	1.93	101	90-110			
Selenium	5.24	B	0.0500	mg/L	5.00	0.0185 U	105	90-118			
Silver	0.487		0.0500	mg/L	0.500	0.0020 U	97	87-112			
Sodium	1730		2.50	mg/L	250	1460	108	90-113			
Thallium	2.47		0.0500	mg/L	2.50	0.0255 U	99	90-112			
Vanadium	2.50		0.0500	mg/L	2.50	0.0022 U	100	88-114			
Zinc	5.42		0.100	mg/L	5.00	0.227	104	88-116			

Matrix Spike Dup (8F03018-MSD1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:17

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	78.7	B	1.00	mg/L	50.0	26.7	104	84-119	0.02	25	
Antimony	2.60		0.100	mg/L	2.50	0.0204	103	87-111	0.3	25	
Arsenic	5.03		0.0500	mg/L	5.00	0.0120 U	101	89-116	0.2	25	
Barium	5.46		0.0500	mg/L	5.00	0.478	100	89-113	0.2	25	
Beryllium	2.49		0.0050	mg/L	2.50	0.0008 U	100	90-111	0.2	25	
Boron	6.85		0.0500	mg/L	5.00	1.85	100	89-116	0.2	25	
Cadmium	2.52		0.0050	mg/L	2.50	0.0009 U	101	90-112	0.4	25	
Calcium	58.2	B	2.50	mg/L	50.0	8.31	100	84-118	0.3	25	
Chromium	5.05	B	0.0500	mg/L	5.00	0.00820	101	89-114	0.3	25	
Cobalt	5.01		0.0500	mg/L	5.00	0.0012 U	100	90-114	0.2	25	
Copper	2.61		0.0500	mg/L	2.50	0.0060 U	105	90-112	0.3	25	
Iron	48.9		0.250	mg/L	50.0	0.0240 U	98	90-110	0.3	25	
Lead	5.09		0.0500	mg/L	5.00	0.00887	102	90-113	0.1	25	
Magnesium	51.4		2.50	mg/L	50.0	0.967	101	90-111	0.4	25	
Manganese	2.50		0.0100	mg/L	2.50	0.00260	100	90-112	0.07	25	
Molybdenum	2.49	B	0.0100	mg/L	2.50	0.00501	100	89-110	0.4	25	
Nickel	5.04	B	0.250	mg/L	5.00	0.0137	101	88-116	0.5	25	
Potassium	255		2.50	mg/L	250	1.93	101	90-110	0.09	25	
Selenium	5.23	B	0.0500	mg/L	5.00	0.0185 U	105	90-118	0.05	25	
Silver	0.486		0.0500	mg/L	0.500	0.0020 U	97	87-112	0.2	25	
Sodium	1720		2.50	mg/L	250	1460	100	90-113	1	25	
Thallium	2.48		0.0500	mg/L	2.50	0.0255 U	99	90-112	0.2	25	
Vanadium	2.50		0.0500	mg/L	2.50	0.0022 U	100	88-114	0.3	25	
Zinc	5.43		0.100	mg/L	5.00	0.227	104	88-116	0.3	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.
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-14	Confirmed matrix effects

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Quick Port Dr.
Olympia, FL 32824
(407) 658-5314 Fax (407) 658-0845

3810 Executive Park Court, Suite 211
Jacksonville, FL 32210-8001
(904) 296-3007 Fax (904) 296-6210

1014 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-1676

Page 1 of 1

Client Name: KHA	Project Number: 116 436000
Address: 501 Independence Pkwy	Project Name/Desc: Fly-ASH
City/ST/Zip: Chesapeake VA 23320	PO # / Billing Info:
Tel: 548-7300 Fax:	Reporting Contact:
Sampling Location (City/State/Zip):	Bill to Contact: M Iovashchuk
Sampling Signature: M. Iovashchuk	Facility # (if applicable):

Requested Analyses: SPLP

Requested Turnaround Times (Note: Rush requests subject to availability by the lab): X Standard ___ Expedited Due: __/__/__

Lab Workorder: C805399

Preservation (See Codes) (Describe if necessary)

Bottle	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers		Sample Comments
	HA-3 (TOP)	5-14-08	830-915	G	SE	4		3'-5'
	HA-3 (MID)	↓	↓	↓	↓	4		8-10'
	HA-3 (BASE)					4		16-18'
	HA-3 (SAT)	↓	↓	↓	↓	4		19-21
	HA-4 (TOP)	5-19-08	1015-1230	G	SE	2		18"-33"
	HA-4 (MID)	↓	↓	↓	↓	2		88"-107"
	HA-4 (BASE)	↓	↓	↓	↓	2		175"-196"

22 ← Total # of Containers

Sample Id Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		M. Iovashchuk	5/20/08 530	Diana Hungry	5/23/08 11:05
Comments:		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Temperature Upon Receipt: Orica

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

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

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

Note: All services rendered by ENCO Labs are in accordance with the terms and conditions found on the reverse of this form, unless prior 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

Monday, June 9, 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: C805398

Dear Mike Iwashchenko,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, May 23, 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

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 17.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: HA-5 (TOP) Lab ID: C805398-01 Sampled: 05/19/08 13:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 16:22
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 16:22
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:02

Client ID: HA-5 (MID) Lab ID: C805398-02 Sampled: 05/19/08 13:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 16:29
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 16:29
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:07

Client ID: HA-5 (BASE) Lab ID: C805398-03 Sampled: 05/19/08 14:00 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 16:35
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 16:35
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:09

Client ID: HA-6 (TOP) Lab ID: C805398-04 Sampled: 05/19/08 14:07 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 16:42
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 16:42
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:11

Client ID: HA-6 (MID) Lab ID: C805398-05 Sampled: 05/19/08 14:07 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 17:07
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 17:07
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:12

Client ID: HA-6 (BASE) Lab ID: C805398-06 Sampled: 05/19/08 14:55 Received: 05/23/08 11:05

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	11/15/08		06/03/08	13:34	6/6/2008 17:14
EPA 6010B	11/15/08	11/30/08	06/03/08	13:34	6/6/2008 17:14
EPA 7470A	06/16/08		06/02/08	12:02	6/3/2008 10:14

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SAMPLE DETECTION SUMMARY

Client ID: HA-5 (TOP) Lab ID: C805398-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	23.0	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0131	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0069	J	0.0100	mg/L	EPA 6010B	
Barium	0.0725		0.0100	mg/L	EPA 6010B	
Boron	0.333		0.0100	mg/L	EPA 6010B	
Calcium	59.4	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0538	B	0.0100	mg/L	EPA 6010B	QB-01
Iron	0.0072	J	0.0500	mg/L	EPA 6010B	
Magnesium	0.136	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.107	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0009	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	16.6		0.500	mg/L	EPA 6010B	
Selenium	0.0556	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	80.6		0.500	mg/L	EPA 6010B	
Vanadium	0.0665		0.0100	mg/L	EPA 6010B	
Zinc	0.0168	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-5 (MID) Lab ID: C805398-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	22.4	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0141	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0116		0.0100	mg/L	EPA 6010B	
Barium	0.0811		0.0100	mg/L	EPA 6010B	
Boron	0.376		0.0100	mg/L	EPA 6010B	
Calcium	63.9	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0640	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.152	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.134	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0010	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	16.5		0.500	mg/L	EPA 6010B	
Selenium	0.0699	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	84.8		0.500	mg/L	EPA 6010B	
Vanadium	0.0690		0.0100	mg/L	EPA 6010B	
Zinc	0.0170	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-5 (BASE) Lab ID: C805398-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	20.3	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0130	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0141		0.0100	mg/L	EPA 6010B	
Barium	0.0624		0.0100	mg/L	EPA 6010B	
Boron	0.400		0.0100	mg/L	EPA 6010B	
Calcium	67.8	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0315	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.110	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.0793	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0011	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	9.45		0.500	mg/L	EPA 6010B	
Selenium	0.0560	B	0.0100	mg/L	EPA 6010B	QB-01

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Client ID: HA-5 (BASE) Lab ID: C805398-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Sodium	59.9		0.500	mg/L	EPA 6010B	
Vanadium	0.0698		0.0100	mg/L	EPA 6010B	
Zinc	0.0096	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-5 (TOP) Lab ID: C805398-04

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	17.6	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0129	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0336		0.0100	mg/L	EPA 6010B	
Barium	0.0954		0.0100	mg/L	EPA 6010B	
Boron	0.229		0.0100	mg/L	EPA 6010B	
Calcium	54.3	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0163	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.135	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.0493	B	0.0020	mg/L	EPA 6010B	QB-01
Nickel	0.0015	JB	0.0500	mg/L	EPA 6010B	J-01
Potassium	3.90		0.500	mg/L	EPA 6010B	
Selenium	0.0722	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	32.9		0.500	mg/L	EPA 6010B	
Vanadium	0.0768		0.0100	mg/L	EPA 6010B	
Zinc	0.0175	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-5 (MID) Lab ID: C805398-05

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	17.6	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0175	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0430		0.0100	mg/L	EPA 6010B	
Barium	0.121		0.0100	mg/L	EPA 6010B	
Boron	0.284		0.0100	mg/L	EPA 6010B	
Calcium	57.5	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0368	B	0.0100	mg/L	EPA 6010B	QB-01
Magnesium	0.120	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.181	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	12.6		0.500	mg/L	EPA 6010B	
Selenium	0.0900	B	0.0100	mg/L	EPA 6010B	QB-01
Sodium	59.7		0.500	mg/L	EPA 6010B	
Vanadium	0.0978		0.0100	mg/L	EPA 6010B	
Zinc	0.0087	J	0.0200	mg/L	EPA 6010B	

Client ID: HA-6 (BASE) Lab ID: C805398-06

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	10.2	B	0.200	mg/L	EPA 6010B	QB-01
Antimony	0.0194	J	0.0200	mg/L	EPA 6010B	
Arsenic	0.0714		0.0100	mg/L	EPA 6010B	
Barium	0.138		0.0100	mg/L	EPA 6010B	
Boron	0.399		0.0100	mg/L	EPA 6010B	
Calcium	46.9	B	0.500	mg/L	EPA 6010B	QB-01
Chromium	0.0060	JB	0.0100	mg/L	EPA 6010B	J-01
Magnesium	0.146	J	0.500	mg/L	EPA 6010B	
Molybdenum	0.120	B	0.0020	mg/L	EPA 6010B	QB-01
Potassium	5.20		0.500	mg/L	EPA 6010B	

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Client ID: TIA-6 (BASE) Lab ID: C805398-06

Analyte	Results	Flag	MRL	Units	Method	Notes
Selenium	0.135	B	0.0100	mg/L	EPA 6010B	Q8-01
Sodium	52.2		0.500	mg/L	EPA 6010B	
Vanadium	0.105		0.0100	mg/L	EPA 6010B	
Zinc	0.0049	J	0.0200	mg/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: HA-5 (TOP)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805398-01
Sampled: 05/19/08 13:00
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805398
% Solids:

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] ^	**23.0**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 16:22	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0131**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Arsenic [7440-38-2] ^	**0.0069**	J	mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Barium [7440-39-3] ^	**0.0725**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Boron [7440-42-8] ^	**0.333**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Calcium [7440-70-2] ^	**59.4**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 16:22	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0538**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	Q8-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Iron [7439-89-6] ^	**0.0072**	J	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Magnesium [7439-95-4] ^	**0.136**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:02	RBN	
Molybdenum [7439-98-7] ^	**0.107**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 16:22	ACV	Q8-01
Nickel [7440-02-0] ^	**0.0009**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 16:22	ACV	J-01
Potassium [7440-09-7] ^	**16.6**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Selenium [7782-49-2] ^	**0.0556**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	Q8-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Sodium [7440-23-5] ^	**80.6**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Vanadium [7440-62-2] ^	**0.0665**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:22	ACV	
Zinc [7440-66-6] ^	**0.0168**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 16:22	ACV	

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

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Description: HA-5 (MID)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805398-02
Sampled: 05/19/08 13:00
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805398
% Solids:

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] ^	**22.4**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 16:29	ACV	QB-01
Antimony [7440-36-0] ^	**0.0141**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Arsenic [7440-38-2] ^	**0.0116**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Barium [7440-39-3] ^	**0.0811**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Boron [7440-42-8] ^	**0.376**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Calcium [7440-70-2] ^	**63.9**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 16:29	ACV	QB-01
Chromium [7440-47-3] ^	**0.0640**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	QB-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Magnesium [7439-95-4] ^	**0.152**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:07	RBN	
Molybdenum [7439-98-7] ^	**0.134**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 16:29	ACV	QB-01
Nickel [7440-02-0] ^	**0.0010**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 16:29	ACV	J-01
Potassium [7440-09-7] ^	**16.5**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Selenium [7782-49-2] ^	**0.0699**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Sodium [7440-23-5] ^	**84.8**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Vanadium [7440-62-2] ^	**0.0590**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:29	ACV	
Zinc [7440-66-6] ^	**0.0170**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 16:29	ACV	

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

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Description:	HA-5 (BASE)	**Lab Sample ID:**	C805398-03	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 14:00	**Work Order:**	C805398
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**20.3**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 16:35	ACV	Q8-01
Antimony [7440-36-0] ^	**0.0130**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Arsenic [7440-38-2] ^	**0.0141**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Barium [7440-39-3] ^	**0.0624**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Boron [7440-42-8] ^	**0.400**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Calcium [7440-70-2] ^	**67.8**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 16:35	ACV	Q8-01
Chromium [7440-47-3] ^	**0.0315**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	Q8-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Magnesium [7439-95-4] ^	**0.110**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:09	RBN	
Molybdenum [7439-98-7] ^	**0.0793**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 16:35	ACV	Q8-01
Nickel [7440-02-0] ^	**0.0011**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 16:35	ACV	J-01
Potassium [7440-09-7] ^	**9.45**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Selenium [7782-49-2] ^	**0.0560**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	Q8-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Sodium [7440-23-5] ^	**59.9**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Vanadium [7440-62-2] ^	**0.0698**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:35	ACV	
Zinc [7440-66-6] ^	**0.0096**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 16:35	ACV	

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Description: HA-6 (TOP)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805398-04
Sampled: 05/19/08 14:07
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805398
% Solids:

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] ^	**17.6**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 16:42	ACV	QB-01
Antimony [7440-36-0] ^	**0.0129**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Arsenic [7440-38-2] ^	**0.0336**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Barium [7440-39-3] ^	**0.0954**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Boron [7440-42-8] ^	**0.229**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Calcium [7440-70-2] ^	**54.3**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 16:42	ACV	QB-01
Chromium [7440-47-3] ^	**0.0163**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	QB-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Magnesium [7439-95-4] ^	**0.135**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:11	RBN	
Molybdenum [7439-98-7] ^	**0.0493**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 16:42	ACV	QB-01
Nickel [7440-02-0] ^	**0.0015**	JB	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 16:42	ACV	J-01
Potassium [7440-09-7] ^	**3.90**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Selenium [7782-49-2] ^	**0.0722**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Sodium [7440-23-5] ^	**32.9**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Vanadium [7440-62-2] ^	**0.0768**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 16:42	ACV	
Zinc [7440-66-6] ^	**0.0175**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 16:42	ACV	

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

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Description:	HA-6 (MID)	**Lab Sample ID:**	C805398-05	**Received:**	05/23/08 11:05
Matrix:	Soil	**Sampled:**	05/19/08 14:07	**Work Order:**	C805398
Project:	Fly Ash	**Sampled By:**	Mike Iwashchenko	**% Solids:**	

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] ^	**17.6**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:07	ACV	QB-01
Antimony [7440-36-0] ^	**0.0175**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Arsenic [7440-38-2] ^	**0.0430**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Barium [7440-39-3] ^	**0.121**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Boron [7440-42-8] ^	**0.284**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Calcium [7440-70-2] ^	**57.5**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:07	ACV	QB-01
Chromium [7440-47-3] ^	**0.0368**	B	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	QB-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Magnesium [7439-95-4] ^	**0.120**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:12	RBN	
Molybdenum [7439-98-7] ^	**0.181**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:07	ACV	QB-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Potassium [7440-09-7] ^	**12.6**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Selenium [7782-49-2] ^	**0.0900**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Sodium [7440-23-5] ^	**59.7**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Vanadium [7440-62-2] ^	**0.0978**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:07	ACV	
Zinc [7440-66-6] ^	**0.0087**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:07	ACV	

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

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Description: HA-6 (BASE)
Matrix: Soil
Project: Fly Ash

Lab Sample ID: C805398-06
Sampled: 05/19/08 14:55
Sampled By: Mike Iwashchenko

Received: 05/23/08 11:05
Work Order: C805398
% Solids:

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] ^	**10.2**	B	mg/L	1	0.0220	0.200	8F03018	EPA 6010B	06/06/08 17:14	ACV	QB-01
Antimony [7440-36-0] ^	**0.0194**	J	mg/L	1	0.0031	0.0200	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Arsenic [7440-38-2] ^	**0.0714**		mg/L	1	0.0024	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Barium [7440-39-3] ^	**0.138**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Beryllium [7440-41-7] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Boron [7440-42-8] ^	**0.399**		mg/L	1	0.0019	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Cadmium [7440-43-9] ^	0.0002	U	mg/L	1	0.0002	0.0010	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Calcium [7440-70-2] ^	**46.9**	B	mg/L	1	0.0130	0.500	8F03018	EPA 6010B	06/06/08 17:14	ACV	QB-01
Chromium [7440-47-3] ^	**0.0060**	JB	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	J-01
Cobalt [7440-48-4] ^	0.0002	U	mg/L	1	0.0002	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Copper [7440-50-8] ^	0.0012	U	mg/L	1	0.0012	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Iron [7439-89-6] ^	0.0048	U	mg/L	1	0.0048	0.0500	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Lead [7439-92-1] ^	0.0016	U	mg/L	1	0.0016	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Magnesium [7439-95-4] ^	**0.146**	J	mg/L	1	0.0150	0.500	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Manganese [7439-96-5] ^	0.0002	U	mg/L	1	0.0002	0.0020	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Mercury [7439-97-6] ^	0.000054	U	mg/L	1	0.000054	0.00020	8F02015	EPA 7470A	06/03/08 10:14	RBN	
Molybdenum [7439-98-7] ^	**0.120**	B	mg/L	1	0.0001	0.0020	8F03018	EPA 6010B	06/06/08 17:14	ACV	QB-01
Nickel [7440-02-0] ^	0.0008	U	mg/L	1	0.0008	0.0500	8F03018	EPA 6010B	06/06/08 17:14	ACV	J-01
Potassium [7440-09-7] ^	**5.20**		mg/L	1	0.054	0.500	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Selenium [7782-49-2] ^	**0.135**	B	mg/L	1	0.0037	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	QB-01
Silver [7440-22-4] ^	0.0004	U	mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Sodium [7440-23-5] ^	**52.2**		mg/L	1	0.0380	0.500	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Thallium [7440-28-0] ^	0.0051	U	mg/L	1	0.0051	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Vanadium [7440-62-2] ^	**0.105**		mg/L	1	0.0004	0.0100	8F03018	EPA 6010B	06/06/08 17:14	ACV	
Zinc [7440-66-6] ^	**0.0049**	J	mg/L	1	0.0029	0.0200	8F03018	EPA 6010B	06/06/08 17:14	ACV	

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QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F02015 - EPA 7470A

Blank (8F02015-BLK1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:43

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 (8F02015-BLK2) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:56

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 (8F02015-BS1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00529		0.00020	mg/L	0.00500		106	85-115			

Matrix Spike (8F02015-MS1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:47

Source: B803734-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limits	Notes
Mercury	0.00625		0.00020	mg/L	0.00500	0.000054 U	125	85-115			QM-14

Matrix Spike Dup (8F02015-MSD1) Prepared: 06/02/2008 12:02 Analyzed: 06/03/2008 09:49

Source: B803734-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limits	Notes
Mercury	0.00641		0.00020	mg/L	0.00500	0.000054 U	128	85-115	2	25	QM-14

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK1) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:04

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	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0415**	**J**	0.500	mg/L							
Chromium	**0.0007**	**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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	**0.0007**	**J**	0.0020	mg/L							
Nickel	0.0008	U	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK1) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	**0.0037**	J	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03018-BLK2) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 15:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	**0.0222**	J	0.200	mg/L							
Antimony	0.0031	U	0.0200	mg/L							
Arsenic	0.0024	U	0.0100	mg/L							
Barium	0.0004	U	0.0100	mg/L							
Beryllium	0.0002	U	0.0010	mg/L							
Boron	0.0019	U	0.0100	mg/L							
Cadmium	0.0002	U	0.0010	mg/L							
Calcium	**0.0431**	J	0.500	mg/L							
Chromium	**0.0011**	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	0.0150	U	0.500	mg/L							
Manganese	0.0002	U	0.0020	mg/L							
Molybdenum	0.0001	U	0.0020	mg/L							
Nickel	**0.0012**	J	0.0500	mg/L							
Potassium	0.054	U	0.500	mg/L							
Selenium	0.0037	U	0.0100	mg/L							
Silver	0.0004	U	0.0100	mg/L							
Sodium	0.0380	U	0.500	mg/L							
Thallium	0.0051	U	0.0100	mg/L							
Vanadium	0.0004	U	0.0100	mg/L							
Zinc	0.0029	U	0.0200	mg/L							

Blank (8F03018-BLK3) Prepared: 06/03/2008 13:34 Analyzed: 06/06/2008 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0155	U	0.100	mg/L							
Arsenic	0.0120	U	0.0500	mg/L							
Beryllium	0.0008	U	0.0050	mg/L							
Cadmium	0.0009	U	0.0050	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							
Molybdenum	0.0007	U	0.0100	mg/L							
Selenium	0.0185	U	0.0500	mg/L							

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Blank (8F03018-BLK3) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 21:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	0.0020	U	0.0500	mg/L							
Thallium	0.0255	U	0.0500	mg/L							
Vanadium	0.0022	U	0.0500	mg/L							

LCS (8F03018-BS1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10.2	B	0.200	mg/L	10.0		102	84-119			
Antimony	0.523		0.0200	mg/L	0.500		105	87-111			
Arsenic	1.01		0.0100	mg/L	1.00		101	89-116			
Barium	1.01		0.0100	mg/L	1.00		101	89-113			
Beryllium	0.501		0.0010	mg/L	0.500		100	90-111			
Boron	1.00		0.0100	mg/L	1.00		100	89-116			
Cadmium	0.507		0.0010	mg/L	0.500		101	90-112			
Calcium	10.0	B	0.500	mg/L	10.0		100	84-118			
Chromium	1.02	B	0.0100	mg/L	1.00		102	89-114			
Cobalt	1.03		0.0100	mg/L	1.00		103	90-114			
Copper	0.514		0.0100	mg/L	0.500		103	90-112			
Iron	10.0		0.0500	mg/L	10.0		100	90-110			
Lead	1.02		0.0100	mg/L	1.00		102	90-113			
Magnesium	10.1		0.500	mg/L	10.0		101	90-111			
Manganese	0.511		0.0020	mg/L	0.500		102	90-112			
Molybdenum	0.502	B	0.0020	mg/L	0.500		100	89-110			
Nickel	1.02	B	0.0500	mg/L	1.00		102	88-116			
Potassium	51.0		0.500	mg/L	50.0		102	90-110			
Selenium	1.04	B	0.0100	mg/L	1.00		104	90-118			
Silver	0.0968		0.0100	mg/L	0.100		97	87-112			
Sodium	51.7		0.500	mg/L	50.0		103	90-113			
Thallium	0.508		0.0100	mg/L	0.500		102	90-112			
Vanadium	0.504		0.0100	mg/L	0.500		101	88-114			
Zinc	1.03		0.0200	mg/L	1.00		103	88-116			

Matrix Spike (8F03018-MS1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:11

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	78.7	B	1.00	mg/L	50.0	26.7	104	84-119			
Antimony	2.60		0.100	mg/L	2.50	0.0204	103	87-111			
Arsenic	5.02		0.0500	mg/L	5.00	0.0120 U	100	89-116			
Barium	5.46		0.0500	mg/L	5.00	0.478	100	89-113			
Beryllium	2.49		0.0050	mg/L	2.50	0.0008 U	99	90-111			
Boron	6.83		0.0500	mg/L	5.00	1.85	100	89-116			
Cadmium	2.51		0.0050	mg/L	2.50	0.0009 U	100	90-112			
Calcium	58.4	B	2.50	mg/L	50.0	8.31	100	84-118			
Chromium	5.03	B	0.0500	mg/L	5.00	0.00820	100	89-114			
Cobalt	5.00		0.0500	mg/L	5.00	0.0012 U	100	90-114			
Copper	2.61		0.0500	mg/L	2.50	0.0060 U	104	90-112			
Iron	48.8		0.250	mg/L	50.0	0.0240 U	98	90-110			

QUALITY CONTROL

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 8F03018 - EPA 3010A

Matrix Spike (8F03018-MS1) Continued Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:11

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	5.09		0.0500	mg/L	5.00	0.00887	102	90-113			
Magnesium	51.2		2.50	mg/L	50.0	0.967	101	90-111			
Manganese	2.51		0.0100	mg/L	2.50	0.00260	100	90-112			
Molybdenum	2.50	B	0.0100	mg/L	2.50	0.00501	100	89-110			
Nickel	5.02	B	0.250	mg/L	5.00	0.0137	100	88-116			
Potassium	255		2.50	mg/L	250	1.93	101	90-110			
Selenium	5.24	B	0.0500	mg/L	5.00	0.0185 U	105	90-118			
Silver	0.487		0.0500	mg/L	0.500	0.0020 U	97	87-112			
Sodium	1730		2.50	mg/L	250	1460	108	90-113			
Thallium	2.47		0.0500	mg/L	2.50	0.0255 U	99	90-112			
Vanadium	2.50		0.0500	mg/L	2.50	0.0022 U	100	88-114			
Zinc	5.42		0.100	mg/L	5.00	0.227	104	88-116			

Matrix Spike Dup (8F03018-MSD1) Prepared: 06/03/2008 13:34 Analyzed: 06/05/2008 22:17

Source: B803749-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	78.7	B	1.00	mg/L	50.0	26.7	104	84-119	0.02	25	
Antimony	2.60		0.100	mg/L	2.50	0.0204	103	87-111	0.3	25	
Arsenic	5.03		0.0500	mg/L	5.00	0.0120 U	101	89-116	0.2	25	
Barium	5.46		0.0500	mg/L	5.00	0.478	100	89-113	0.2	25	
Beryllium	2.49		0.0050	mg/L	2.50	0.0008 U	100	90-111	0.2	25	
Boron	6.85		0.0500	mg/L	5.00	1.85	100	89-116	0.2	25	
Cadmium	2.52		0.0050	mg/L	2.50	0.0009 U	101	90-112	0.4	25	
Calcium	58.2	B	2.50	mg/L	50.0	8.31	100	84-118	0.3	25	
Chromium	5.05	B	0.0500	mg/L	5.00	0.00820	101	89-114	0.3	25	
Cobalt	5.01		0.0500	mg/L	5.00	0.0012 U	100	90-114	0.2	25	
Copper	2.61		0.0500	mg/L	2.50	0.0060 U	105	90-112	0.3	25	
Iron	48.9		0.250	mg/L	50.0	0.0240 U	98	90-110	0.3	25	
Lead	5.09		0.0500	mg/L	5.00	0.00887	102	90-113	0.1	25	
Magnesium	51.4		2.50	mg/L	50.0	0.967	101	90-111	0.4	25	
Manganese	2.50		0.0100	mg/L	2.50	0.00260	100	90-112	0.07	25	
Molybdenum	2.49	B	0.0100	mg/L	2.50	0.00501	100	89-110	0.4	25	
Nickel	5.04	B	0.250	mg/L	5.00	0.0137	101	88-116	0.5	25	
Potassium	255		2.50	mg/L	250	1.93	101	90-110	0.09	25	
Selenium	5.23	B	0.0500	mg/L	5.00	0.0185 U	105	90-118	0.05	25	
Silver	0.486		0.0500	mg/L	0.500	0.0020 U	97	87-112	0.2	25	
Sodium	1720		2.50	mg/L	250	1460	100	90-113	1	25	
Thallium	2.48		0.0500	mg/L	2.50	0.0255 U	99	90-112	0.2	25	
Vanadium	2.50		0.0500	mg/L	2.50	0.0022 U	100	88-114	0.3	25	
Zinc	5.43		0.100	mg/L	5.00	0.227	104	88-116	0.3	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.
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-14	Confirmed matrix effects

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945

1597 Sleepiake Park Court, Suite 211 Jacksonville, FL 32216-0069 (904) 296-3007 Fax (904) 296-6210

1015 Passport Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-0445

Page 1 of 1

Company Name: Kimley-Horn + Associates	Project Number: 116096000
Address: 501 Independence Pkwy, Ste	Project Name/Site: Battlefield Fly-Ash
City/State/Zip: Chesapeake, VA 23320	PO # (Billing Info):
Tel: 757-548-7605 Fax: 757-548-2021	Reporting Contact:
Sampled by Name (Print or Stamp): M. Iwashchenko	Report Contact: M. Iwashchenko
Sampled by Signature: M. Iwashchenko	Facility # (Location):

Requested Analysis: PCB

Requested Turnaround Times: Non-rush requests subject to acceptance by our lab. — X Standard — Expedited — Due __/__/__

Lab Workorder: C805398

Preservation (See Codes) (Contact if necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	PCB	Sample Comments
	HA-5 (top)	5-19-08	1:00	G	SE	2	X	26" - 45"
	HA-5 (MID)	↓	↓	↓	↓	2	X	115" - 62"
	HA-5 (BASE)		1:00			2	X	83" - 96"
	HA-6 (top)		2:07			2	X	13" - 33"
	HA-6 (MID)		↓			2	X	50" - 72"
	HA-6 (BASE)	↓	2:55	↓	↓	2	X	126" - 144"

← Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		M. Iwashchenko	5/22/08 5:00	Buena Gregory	5/22/08 11:05
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: On Ice		Contents Upon Receipt: Acceptable / Unacceptable	

Matrix: GW Groundwater, SO-Soil, SE-Sediment, SW-Surface Water, WW-Wastewater, A-Air, O-Other (state in comments) Preservation: Ice, HCl, HNO3, H2SO4, NaOH, O-Other (state in comments)

Note: All samples submitted to ENCO Labs are subject to and conditions listed on the reverse of this form, unless prior 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

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Tuesday, July 22, 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: C807784

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 14.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: OFB | Lab ID: C807784-01 | Sampled: 07/14/08 13:10 | 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 10:13
EPA 310.2	07/28/08	07/16/08 07:23	7/16/2008 10:48
EPA 353.2	08/11/08	07/21/08 07:56	7/21/2008 10:48
EPA 365.4	08/11/08	07/21/08 10:12	7/21/2008 15:52
EPA 6010B	01/10/09	07/16/08 06:45	7/17/2008 13:21
EPA 7470A	08/11/08	07/16/08 06:51	7/16/2008 15:50
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: OFB Lab ID: C807784-01

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	253	B	100	ug/L	EPA 6010B	
Barium	2.60	J	10.0	ug/L	EPA 6010B	
Calcium	520		100	ug/L	EPA 6010B	
Iron	220		50	ug/L	EPA 6010B	
Magnesium	85	J	100	ug/L	EPA 6010B	
Manganese	5.6	J	10.0	ug/L	EPA 6010B	
Phosphorus	0.10		0.10	mg/L	EPA 365.4	
Thallium	5.3	J	10.0	ug/L	EPA 6010B	
Total Alkalinity	4.3	JB	15	mg/L	EPA 310.2	J-01
Total Dissolved Solids	14		10	mg/L	EPA 160.1	
Total Suspended Solids	5.0		1.0	mg/L	EPA 160.2	
Zinc	8.7	J	10.0	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: OFB
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807784-01
Sampled: 07/14/08 13:10
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807784

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] ^	**253**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Arsenic [7440-38-2] ^	2.8	U	ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Barium [7440-39-3] ^	**2.60**	J	ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Boron [7440-42-8] ^	5.0	U	ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Calcium [7440-70-2] ^	**520**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Chromium [7440-47-3] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Cobalt [7440-48-4] ^	1.1	U	ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Iron [7439-89-6] ^	**220**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Lead [7439-92-1] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Magnesium [7439-95-4] ^	**85**	J	ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Manganese [7439-96-5] ^	**5.6**	J	ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:50	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Nickel [7440-02-0] ^	1.8	U	ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Potassium [7440-09-7] ^	150	U	ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Sodium [7440-23-5] ^	400	U	ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Thallium [7440-28-0] ^	**5.3**	J	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Vanadium [7440-62-2] ^	1.4	U	ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	
Zinc [7440-66-6] ^	**8.7**	J	ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 13:21	VLO	

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Description: OFB
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807784-01
Sampled: 07/14/08 13:10
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807784

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	0.50	U	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:18	PEV	
Fluoride [16984-48-8]	0.01	U	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 10:13	AJ	
Nitrate/Nitrite as N [NA]	0.017	U	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:48	PEV	
Phosphorus [7723-14-0]	**0.10**		mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:52	PEV	
Sulfate as SO4 [14808-79-8]	0.05	U	mg/L	1	0.05	5.0	8G17018	EPA 300.0	07/19/08 10:13	AJ	
Total Alkalinity [NA]	**4.3**	JB	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:48	PEV	J-01
Total Dissolved Solids [NA]	**14**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**5.0**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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 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			

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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.
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) 859-6945
5810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3650 Fax (919) 467-3515

Page 1 of 1

Client Name: Kimley-Horn + Assoc	Project Number: Battlefield Golf Course
Address: 501 Independence Pkwy	Project Name/Desc:
City/St/Zip: Chesapeake, VA 23320	Invoice Billing Info:
Tel: 757-518-3000 Fax: 757-518-3001	Reporting Contact:
Sampler(s) Name, Affiliation (Print): Michele Ward	Billing Contact:
Sampler(s) Signature: Michele Ward	Facility # (if required):

Requested Analyses: TSS, TDS, Fluoride, Chloride, Sulfate, NO3, Alkalinity, Se, Ni, Cr, Hg, Pb, Cu, Mn, Cd, Cr, Cu, B, Mo, Zn, Be, Hg, Ag, Al

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

Lab Workorder: C807784

Preservation (See Codes) (Continue as necessary)

Item #	Sample ID (Field Identifier)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments
	OFB	7/14/08	1310	G	GW	6	X	X	X	X	X	X	X	X	X	

<- Total # of Containers

Sample Kit Prepared By:	Date/Time:	Relinquished By: Michele Ward	Date/Time: 7/14/08 1500	Received By: Briana Gregory	Date/Time: 7/15/08 11:00
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-436 3.5°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: Hcl HNO3 NaOH H2SO4 NO HOOH O Other (details in comments)

Note: All services subject to ENCO Lab's terms and conditions which are found on the reverse of this form, unless prior written agreements exist.

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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

Tuesday, July 22, 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: C807785

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 23.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-3 | **Lab ID: C807785-01** | **Sampled: 07/14/08 12:42** | **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 10:43
EPA 310.2	07/28/08	07/16/08 07:23	7/16/2008 10:51
EPA 353.2	08/11/08	07/21/08 07:56	7/21/2008 10:50
EPA 365.4	08/11/08	07/21/08 10:12	7/21/2008 15:53
EPA 6010B	01/10/09	07/16/08 06:45	7/17/2008 11:01
EPA 7470A	08/11/08	07/16/08 06:51	7/16/2008 15:10
SM4500-Cl/E	08/11/08	07/16/08 07:26	7/16/2008 10:20

Client ID: MW-3 | **Lab ID: C807785-01RE1** | **Sampled: 07/14/08 12:42** | **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 11:13

Client ID: MW-3D | **Lab ID: C807785-02** | **Sampled: 07/14/08 12:42** | **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 11:42
EPA 310.2	07/28/08	07/16/08 07:23	7/16/2008 10:52
EPA 353.2	08/11/08	07/21/08 07:56	7/21/2008 10:52
EPA 365.4	08/11/08	07/21/08 10:12	7/21/2008 15:54
EPA 6010B	01/10/09	07/16/08 06:45	7/17/2008 13:52
EPA 7470A	08/11/08	07/16/08 06:51	7/16/2008 15:53
SM4500-Cl/E	08/11/08	07/16/08 07:26	7/16/2008 10:20

Client ID: MW-3D | **Lab ID: C807785-02RE1** | **Sampled: 07/14/08 12:42** | **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 12:12

Client ID: MW-1 | **Lab ID: C807785-03** | **Sampled: 07/14/08 12:24** | **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 12:42
EPA 310.2	07/28/08	07/16/08 07:23	7/16/2008 10:52
EPA 353.2	08/11/08	07/21/08 07:56	7/21/2008 10:54
EPA 365.4	08/11/08	07/21/08 10:12	7/21/2008 15:56
EPA 6010B	01/10/09	07/16/08 06:45	7/17/2008 13:59
EPA 7470A	08/11/08	07/16/08 06:51	7/16/2008 16:04
SM4500-Cl/E	08/11/08	07/16/08 07:26	7/16/2008 10:21

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Client ID: MW-2	Lab ID: C807785-04	Sampled: 07/14/08 12:30	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 14:11
EPA 310.2	07/28/08	07/16/08 07:23	7/16/2008 10:53
EPA 353.2	08/11/08	07/21/08 07:56	7/21/2008 10:56
EPA 365.4	08/11/08	07/21/08 10:12	7/21/2008 15:58
EPA 6010B	01/10/09	07/16/08 06:45	7/17/2008 14:06
EPA 7470A	08/11/08	07/16/08 06:51	7/16/2008 14:54
SM4500-Cl/E	08/11/08	07/16/08 07:26	7/16/2008 10:22

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SAMPLE DETECTION SUMMARY

Client ID: MW-3 — **Lab ID: C807785-01**

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	69500	B	100	ug/L	EPA 6010B	
Arsenic	71.3		10.0	ug/L	EPA 6010B	
Barium	265		10.0	ug/L	EPA 6010B	
Beryllium	3.00	B	1.00	ug/L	EPA 6010B	
Boron	56.4		50.0	ug/L	EPA 6010B	
Calcium	56900		100	ug/L	EPA 6010B	
Chloride	44	B	5.0	mg/L	SM4500-Cl/E	QB-01
Chromium	158		10.0	ug/L	EPA 6010B	
Cobalt	96.3		10.0	ug/L	EPA 6010B	
Copper	32.5		10.0	ug/L	EPA 6010B	
Fluoride	0.40	B	0.20	mg/L	EPA 300.0	QB-01
Iron	129000		50	ug/L	EPA 6010B	
Lead	66.8		10.0	ug/L	EPA 6010B	
Magnesium	33700		100	ug/L	EPA 6010B	
Manganese	907		10.0	ug/L	EPA 6010B	
Mercury	0.12	J	0.20	ug/L	EPA 7470A	
Nickel	187		10.0	ug/L	EPA 6010B	
Potassium	10500		500	ug/L	EPA 6010B	
Sodium	22700		500	ug/L	EPA 6010B	
Total Alkalinity	61	B	15	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	380		10	mg/L	EPA 160.1	
Total Suspended Solids	2600		1.0	mg/L	EPA 160.2	
Vanadium	202		10.0	ug/L	EPA 6010B	
Zinc	524		10.0	ug/L	EPA 6010B	

Client ID: MW-3 — **Lab ID: C807785-01RE1**

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	130	BD	10	mg/L	EPA 300.0	QB-01

Client ID: MW-3D — **Lab ID: C807785-02**

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	37600	B	100	ug/L	EPA 6010B	
Arsenic	39.9		10.0	ug/L	EPA 6010B	
Barium	148		10.0	ug/L	EPA 6010B	
Beryllium	1.00	B	1.00	ug/L	EPA 6010B	
Boron	49.6	J	50.0	ug/L	EPA 6010B	
Calcium	59000		100	ug/L	EPA 6010B	
Chloride	44	B	5.0	mg/L	SM4500-Cl/E	QB-01
Chromium	89.0		10.0	ug/L	EPA 6010B	
Cobalt	52.1		10.0	ug/L	EPA 6010B	
Copper	12.1		10.0	ug/L	EPA 6010B	
Fluoride	0.40	B	0.20	mg/L	EPA 300.0	QB-01
Iron	75900		50	ug/L	EPA 6010B	
Lead	36.3		10.0	ug/L	EPA 6010B	
Magnesium	26300		100	ug/L	EPA 6010B	
Manganese	572		10.0	ug/L	EPA 6010B	
Nickel	111		10.0	ug/L	EPA 6010B	
Phosphorus	0.93		0.10	mg/L	EPA 365.4	
Potassium	7380		500	ug/L	EPA 6010B	

Client ID: MW-3D | Lab ID: C807785-02

Analyte	Results	Flag	MRL	Units	Method	Notes
Sodium	23400		500	ug/L	EPA 6010B	
Total Alkalinity	66	B	15	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	390		10	mg/L	EPA 160.1	
Total Suspended Solids	1200		1.0	mg/L	EPA 160.2	
Vanadium	114		10.0	ug/L	EPA 6010B	
Zinc	307		10.0	ug/L	EPA 6010B	

Client ID: MW-3D | Lab ID: C807785-02RE1

Analyte	Results	Flag	MRL	Units	Method	Notes
Sulfate as SO4	130	BD	10	mg/L	EPA 300.0	QB-01

Client ID: MW-1 | Lab ID: C807785-03

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	26800	B	100	ug/L	EPA 6010B	
Arsenic	22.7		10.0	ug/L	EPA 6010B	
Barium	110		10.0	ug/L	EPA 6010B	
Beryllium	0.90	JB	1.00	ug/L	EPA 6010B	
Boron	37.7	J	50.0	ug/L	EPA 6010B	
Calcium	23700		100	ug/L	EPA 6010B	
Chloride	20	B	5.0	mg/L	SM4500-Cl/E	QB-01
Chromium	58.4		10.0	ug/L	EPA 6010B	
Cobalt	33.9		10.0	ug/L	EPA 6010B	
Copper	5.70	J	10.0	ug/L	EPA 6010B	
Fluoride	0.16	JB	0.20	mg/L	EPA 300.0	QB-01
Iron	48100		50	ug/L	EPA 6010B	
Lead	26.3		10.0	ug/L	EPA 6010B	
Magnesium	19100		100	ug/L	EPA 6010B	
Manganese	416		10.0	ug/L	EPA 6010B	
Nickel	80.2		10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.079	JB	0.10	mg/L	EPA 353.2	J-01
Phosphorus	0.75		0.10	mg/L	EPA 365.4	
Potassium	3980		500	ug/L	EPA 6010B	
Sodium	11900		500	ug/L	EPA 6010B	
Sulfate as SO4	79	B	5.0	mg/L	EPA 300.0	QB-01
Total Alkalinity	31	B	15	mg/L	EPA 310.2	J-01
Total Dissolved Solids	230		10	mg/L	EPA 160.1	
Total Suspended Solids	660		1.0	mg/L	EPA 160.2	
Vanadium	72.4		10.0	ug/L	EPA 6010B	
Zinc	235		10.0	ug/L	EPA 6010B	

Client ID: MW-2 | Lab ID: C807785-04

Analyte	Results	Flag	MRL	Units	Method	Notes
Aluminum	16100	B	100	ug/L	EPA 6010B	
Arsenic	21.0		10.0	ug/L	EPA 6010B	
Barium	94.1		10.0	ug/L	EPA 6010B	
Boron	40.1	J	50.0	ug/L	EPA 6010B	
Calcium	58800		100	ug/L	EPA 6010B	
Chloride	36	B	5.0	mg/L	SM4500-Cl/E	QB-01
Chromium	34.2		10.0	ug/L	EPA 6010B	
Cobalt	22.0		10.0	ug/L	EPA 6010B	
Copper	4.40	J	10.0	ug/L	EPA 6010B	

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Client ID: MW-2 Lab ID: C807785-04

Analyte	Results	Flag	MRL	Units	Method	Notes
Fluoride	0.26	B	0.20	mg/L	EPA 300.0	QB-01
Iron	32600		50	ug/L	EPA 6010B	
Lead	15.3		10.0	ug/L	EPA 6010B	
Magnesium	22200		100	ug/L	EPA 6010B	
Manganese	284		10.0	ug/L	EPA 6010B	
Nickel	52.0		10.0	ug/L	EPA 6010B	
Nitrate/Nitrite as N	0.19	B	0.10	mg/L	EPA 353.2	QB-01
Phosphorus	0.99		0.10	mg/L	EPA 365.4	
Potassium	4350		500	ug/L	EPA 6010B	
Sodium	27300		500	ug/L	EPA 6010B	
Sulfate as SO4	96	B	5.0	mg/L	EPA 300.0	QB-01
Total Alkalinity	89	B	15	mg/L	EPA 310.2	QB-01
Total Dissolved Solids	390		10	mg/L	EPA 160.1	
Total Suspended Solids	180		1.0	mg/L	EPA 160.2	
Vanadium	45.8		10.0	ug/L	EPA 6010B	
Zinc	91.1		10.0	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

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

Lab Sample ID: C807785-01
Sampled: 07/14/08 12:42
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

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] ^	69500	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Arsenic [7440-38-2] ^	71.3		ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Barium [7440-39-3] ^	265		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Beryllium [7440-41-7] ^	3.00	B	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Boron [7440-42-8] ^	56.4		ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Calcium [7440-70-2] ^	56900		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Chromium [7440-47-3] ^	158		ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Cobalt [7440-48-4] ^	96.3		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Copper [7440-50-8] ^	32.5		ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Iron [7439-89-6] ^	129000		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Lead [7439-92-1] ^	66.8		ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Magnesium [7439-95-4] ^	33700		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Manganese [7439-96-5] ^	907		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
ercury [7439-97-6] ^	0.12	J	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:10	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Nickel [7440-02-0] ^	187		ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Potassium [7440-09-7] ^	10500		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Sodium [7440-23-5] ^	22700		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Vanadium [7440-62-2] ^	202		ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	
Zinc [7440-66-6] ^	524		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 11:01	VLO	

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

Lab Sample ID: C807785-01
Sampled: 07/14/08 12:42
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**44**	B	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:20	PEV	QB-01
Fluoride [16984-48-8]	**0.40**	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 10:43	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 10:50	PEV	
Phosphorus [7723-14-0]	0.050	U	mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:53	PEV	
Sulfate as SO4 [14808-79-8]	**130**	BD	mg/L	2	0.10	10	8G17018	EPA 300.0	07/19/08 11:13	AJ	QB-01
Total Alkalinity [NA]	**61**	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:51	PEV	QB-01
Total Dissolved Solids [NA]	**380**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**2600**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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

Lab Sample ID: C807785-02
Sampled: 07/14/08 12:42
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

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] ^	**37600**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Arsenic [7440-38-2] ^	**39.9**		ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Barium [7440-39-3] ^	**148**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Beryllium [7440-41-7] ^	**1.00**	B	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Boron [7440-42-8] ^	**49.6**	J	ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Calcium [7440-70-2] ^	**59000**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Chromium [7440-47-3] ^	**89.0**		ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Cobalt [7440-48-4] ^	**52.1**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Copper [7440-50-8] ^	**12.1**		ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Iron [7439-89-6] ^	**75900**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Lead [7439-92-1] ^	**36.3**		ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Magnesium [7439-95-4] ^	**26300**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Manganese [7439-96-5] ^	**572**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 15:53	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Nickel [7440-02-0] ^	**111**		ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
otassium [7440-09-7] ^	**7380**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Sodium [7440-23-5] ^	**23400**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Vanadium [7440-62-2] ^	**114**		ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	
Zinc [7440-66-6] ^	**307**		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 13:52	VLO	

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

Lab Sample ID: C807785-02
Sampled: 07/14/08 12:42
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	**44**	B	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:20	PEV	QB-01
Fluoride [16984-48-8]	**0.40**	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 11:42	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 10:52	PEV	
Phosphorus [7723-14-0]	**0.93**		mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:54	PEV	
Sulfate as SO4 [14808-79-8]	**130**	BD	mg/L	2	0.10	10	8G17018	EPA 300.0	07/19/08 12:12	AJ	QB-01
Total Alkalinity [NA]	**66**	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:52	PEV	QB-01
Total Dissolved Solids [NA]	**390**		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	**1200**		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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Description: MW-1
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807785-03
Sampled: 07/14/08 12:24
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

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] ^	**26800**	B	ug/L	1	17	100	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Arsenic [7440-38-2] ^	**22.7**		ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Barium [7440-39-3] ^	**110**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Beryllium [7440-41-7] ^	**0.90**	JB	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Boron [7440-42-8] ^	**37.7**	J	ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Calcium [7440-70-2] ^	**23700**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Chromium [7440-47-3] ^	**58.4**		ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Cobalt [7440-48-4] ^	**33.9**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Copper [7440-50-8] ^	**5.70**	J	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Iron [7439-89-6] ^	**48100**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Lead [7439-92-1] ^	**26.3**		ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Magnesium [7439-95-4] ^	**19100**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Manganese [7439-96-5] ^	**416**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 16:04	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Nickel [7440-02-0] ^	**80.2**		ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Potassium [7440-09-7] ^	**3980**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Sodium [7440-23-5] ^	**11900**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Vanadium [7440-62-2] ^	**72.4**		ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	
Zinc [7440-66-6] ^	**235**		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 13:59	VLO	

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Description: MW-1
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807785-03
Sampled: 07/14/08 12:24
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

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	8G16007	SM4500-Cl/E	07/16/08 10:21	PEV	QB-01
Fluoride [16984-48-8]	0.16	JB	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 12:42	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.079	JB	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:54	PEV	J-01
Phosphorus [7723-14-0]	0.75		mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:56	PEV	
Sulfate as SO4 [14808-79-8]	79	B	mg/L	1	0.05	5.0	8G17018	EPA 300.0	07/19/08 12:42	AJ	QB-01
Total Alkalinity [NA]	31	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:52	PEV	J-01
Total Dissolved Solids [NA]	230		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	660		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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Description: MW-2
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807785-04
Sampled: 07/14/08 12:30
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

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	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Antimony [7440-36-0] ^	1.0	U	ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Arsenic [7440-38-2] ^	**21.0**		ug/L	1	2.8	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Barium [7440-39-3] ^	**94.1**		ug/L	1	1.00	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Beryllium [7440-41-7] ^	0.10	U	ug/L	1	0.10	1.00	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Boron [7440-42-8] ^	**40.1**	J	ug/L	1	5.0	50.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Cadmium [7440-43-9] ^	0.36	U	ug/L	1	0.36	1.00	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Calcium [7440-70-2] ^	**58800**		ug/L	1	20.0	100	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Chromium [7440-47-3] ^	**34.2**		ug/L	1	1.0	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Cobalt [7440-48-4] ^	**22.0**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Copper [7440-50-8] ^	**4.40**	J	ug/L	1	1.60	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Iron [7439-89-6] ^	**32600**		ug/L	1	22	50	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Lead [7439-92-1] ^	**15.3**		ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Magnesium [7439-95-4] ^	**22200**		ug/L	1	23	100	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Manganese [7439-96-5] ^	**284**		ug/L	1	1.1	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	8G16002	EPA 7470A	07/16/08 14:54	MPL	
Molybdenum [7439-98-7] ^	2.5	U	ug/L	1	2.5	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Nickel [7440-02-0] ^	**52.0**		ug/L	1	1.8	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
otassium [7440-09-7] ^	**4350**		ug/L	1	150	500	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Selenium [7782-49-2] ^	2.7	U	ug/L	1	2.7	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Silver [7440-22-4] ^	1.9	U	ug/L	1	1.9	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Sodium [7440-23-5] ^	**27300**		ug/L	1	400	500	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Thallium [7440-28-0] ^	4.8	U	ug/L	1	4.8	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Vanadium [7440-62-2] ^	**45.8**		ug/L	1	1.4	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	
Zinc [7440-66-6] ^	**91.1**		ug/L	1	3.8	10.0	8G16001	EPA 6010B	07/17/08 14:06	VLO	

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Description: MW-2
Matrix: Ground Water
Project: Fly Ash

Lab Sample ID: C807785-04
Sampled: 07/14/08 12:30
Sampled By: Michelle Ward

Received: 07/15/08 11:00
Work Order: C807785

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6]	36	B	mg/L	1	0.50	5.0	8G16007	SM4500-Cl/E	07/16/08 10:22	PEV	QB-01
Fluoride [16984-48-8]	0.26	B	mg/L	1	0.01	0.20	8G17018	EPA 300.0	07/19/08 14:11	AJ	QB-01
Nitrate/Nitrite as N [NA]	0.19	B	mg/L	1	0.017	0.10	8G21005	EPA 353.2	07/21/08 10:56	PEV	QB-01
Phosphorus [7723-14-0]	0.99		mg/L	1	0.050	0.10	8G21007	EPA 365.4	07/21/08 15:58	PEV	
Sulfate as SO4 [14808-79-8]	96	B	mg/L	1	0.05	5.0	8G17018	EPA 300.0	07/19/08 14:11	AJ	QB-01
Total Alkalinity [NA]	89	B	mg/L	1	2.7	15	8G16005	EPA 310.2	07/16/08 10:53	PEV	QB-01
Total Dissolved Solids [NA]	390		mg/L	1	10	10	8G17008	EPA 160.1	07/22/08 12:23	JOC	
Total Suspended Solids [NA]	180		mg/L	1	1.0	1.0	8G17006	EPA 160.2	07/18/08 09:13	FLT	

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

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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			

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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)

Source: C807785-01

Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 11:08

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)

Source: C807785-01

Prepared: 07/16/2008 06:45 Analyzed: 07/17/2008 11:15

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	