

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A6H180260

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Corrosivity	5.3	5.3	No Units	100	SW846 9045A	08/18/06	6231073
Work Order #: JCQNA1AA LCS Lot-Sample#: A6H190000-073 Dilution Factor: 1							
Reactive Cyanide	100	88	mg/kg	88	SW846 7.3.3	08/22/06	6234101
Work Order #: JCVAG1AC LCS Lot-Sample#: A6H220000-101 Dilution Factor: 1							
Reactive Sulfide	120	370 N	mg/kg	296	SW846 7.3.4	08/22/06	6234102
Work Order #: JCVAH1AC LCS Lot-Sample#: A6H220000-102 Dilution Factor: 1							

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Volatiles

Client Lot #...: A6H180260 **Work Order #...**: JCJG01A6-MS **Matrix.....**: SOLID
MS Lot-Sample #: A6H170114-001 JCJG01A7-MSD
Date Sampled...: 08/15/06 08:20 **Date Received...**: 08/16/06
Leach Date.....: 08/23/06 **Prep Date.....**: 08/25/06 **Analysis Date...**: 08/25/06
Leach Batch #...: P623509 **Prep Batch #...**: 6236545
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	94	(76 - 117)			SW846 8260B
	94	(76 - 117)	0.50	(0-30)	SW846 8260B
Carbon tetrachloride	65 a	(72 - 124)			SW846 8260B
	67 a	(72 - 124)	4.1	(0-30)	SW846 8260B
Chlorobenzene	96	(72 - 114)			SW846 8260B
	97	(72 - 114)	1.4	(0-30)	SW846 8260B
Chloroform	94	(82 - 117)			SW846 8260B
	95	(82 - 117)	0.73	(0-30)	SW846 8260B
1,2-Dichloroethane	99	(80 - 120)			SW846 8260B
	99	(80 - 120)	0.67	(0-30)	SW846 8260B
1,1-Dichloroethylene	112	(67 - 129)			SW846 8260B
	112	(67 - 129)	0.22	(0-30)	SW846 8260B
Methyl ethyl ketone	62	(37 - 110)			SW846 8260B
	68	(37 - 110)	7.4	(0-30)	SW846 8260B
Tetrachloroethylene	96	(60 - 119)			SW846 8260B
	96	(60 - 119)	0.44	(0-30)	SW846 8260B
Trichloroethylene	95	(72 - 121)			SW846 8260B
	96	(72 - 121)	0.17	(0-30)	SW846 8260B
Vinyl chloride	108	(54 - 118)			SW846 8260B
	108	(54 - 118)	0.0	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(86 - 125)
	96	(86 - 125)
1,2-Dichloroethane-d4	90	(80 - 122)
	92	(80 - 122)
Toluene-d8	100	(90 - 122)
	100	(90 - 122)
4-Bromofluorobenzene	101	(84 - 125)
	103	(84 - 125)

NOTE(S):

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

Bold print denotes control parameters

a. Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP GC/MS Volatiles

Client Lot #...: A6H180260 **Work Order #...**: JCJG01A6-MS **Matrix.....**: SOLID
MS Lot-Sample #: A6H170114-001 JCJG01A7-MSD
Date Sampled...: 08/15/06 08:20 **Date Received...**: 08/16/06
Leach Date.....: 08/23/06 **Prep Date.....**: 08/25/06 **Analysis Date...**: 08/25/06
Leach Batch #...: P623509 **Prep Batch #...**: 6236545
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	1.0	0.94	mg/L	94		SW846 8260B
	ND	1.0	0.94	mg/L	94	0.50	SW846 8260B
Carbon tetrachloride	ND	1.0	0.65	mg/L	65 a		SW846 8260B
	ND	1.0	0.67	mg/L	67 a	4.1	SW846 8260B
Chlorobenzene	ND	1.0	0.96	mg/L	96		SW846 8260B
	ND	1.0	0.97	mg/L	97	1.4	SW846 8260B
Chloroform	ND	1.0	0.94	mg/L	94		SW846 8260B
	ND	1.0	0.95	mg/L	95	0.73	SW846 8260B
1,2-Dichloroethane	ND	1.0	0.99	mg/L	99		SW846 8260B
	ND	1.0	0.99	mg/L	99	0.67	SW846 8260B
1,1-Dichloroethylene	ND	1.0	1.1	mg/L	112		SW846 8260B
	ND	1.0	1.1	mg/L	112	0.22	SW846 8260B
Methyl ethyl ketone	ND	1.0	0.75	mg/L	62		SW846 8260B
	ND	1.0	0.81	mg/L	68	7.4	SW846 8260B
Tetrachloroethylene	ND	1.0	0.96	mg/L	96		SW846 8260B
	ND	1.0	0.96	mg/L	96	0.44	SW846 8260B
Trichloroethylene	ND	1.0	0.95	mg/L	95		SW846 8260B
	ND	1.0	0.96	mg/L	96	0.17	SW846 8260B
Vinyl chloride	ND	1.0	1.1	mg/L	108		SW846 8260B
	ND	1.0	1.1	mg/L	108	0.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(86 - 125)
	96	(86 - 125)
1,2-Dichloroethane-d4	90	(80 - 122)
	92	(80 - 122)
Toluene-d8	100	(90 - 122)
	100	(90 - 122)
4-Bromofluorobenzene	101	(84 - 125)
	103	(84 - 125)

NOTE(S):

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

Bold print denotes control parameters

a. Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A6H180260 **Work Order #...**: JCFQV1D3-MS **Matrix.....**: SOLID
MS Lot-Sample #: A6H160211-019 JCFQV1D4-MSD
Date Sampled...: 08/15/06 10:33 **Date Received...**: 08/16/06
Prep Date.....: 08/21/06 **Analysis Date...**: 08/24/06
Prep Batch #...: 6233064
Dilution Factor: 1 **% Moisture.....**: 14

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	48	(10 - 200)			SW846 8082
	51	(10 - 200)	6.5	(0-30)	SW846 8082
Aroclor 1260	39	(10 - 200)			SW846 8082
	46	(10 - 200)	14	(0-30)	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	56	(10 - 127)
	59	(10 - 127)
Decachlorobiphenyl	49	(40 - 138)
	67	(40 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: A6H180260 **Work Order #...**: JCFQV1D3-MS **Matrix.....**: SOLID
MS Lot-Sample #: A6H160211-019 JCFQV1D4-MSD
Date Sampled...: 08/15/06 10:33 **Date Received...**: 08/16/06
Prep Date.....: 08/21/06 **Analysis Date...**: 08/24/06
Prep Batch #...: 6233064
Dilution Factor: 1 **% Moisture.....**: 14

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Aroclor 1016	ND	390	180	ug/kg	48		SW846 8082
	ND	390	200	ug/kg	51	6.5	SW846 8082
Aroclor 1260	ND	390	160	ug/kg	39		SW846 8082
	ND	390	190	ug/kg	46	14	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	56	(10 - 127)
	59	(10 - 127)
Decachlorobiphenyl	49	(40 - 138)
	67	(40 - 138)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: A6H180260

Matrix.....: SOLID

Date Sampled...: 08/15/06 08:20 Date Received...: 08/16/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A6H170114-001 Prep Batch #... : 6237028						
Leach Date..... : 08/23/06 Leach Batch #... : P623506						
Mercury	104	(50 - 150)		SW846 7470A	08/25-08/29/06	JCJG01CP
	105	(50 - 150)	0.71 (0-20)	SW846 7470A	08/25-08/29/06	JCJG01CQ
		Dilution Factor: 1				
Arsenic	107	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01A8
	107	(50 - 150)	0.38 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01A9
		Dilution Factor: 5				
Barium	102	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01CA
	101	(50 - 150)	0.66 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01CC
		Dilution Factor: 5				
Cadmium	107	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01CD
	107	(50 - 150)	0.34 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01CE
		Dilution Factor: 5				
Chromium	103	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01CF
	102	(50 - 150)	0.35 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01CG
		Dilution Factor: 5				
Lead	107	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01CH
	107	(50 - 150)	0.47 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01CJ
		Dilution Factor: 5				
Selenium	108	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01CK
	107	(50 - 150)	0.85 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01CL
		Dilution Factor: 5				
Silver	102	(50 - 150)		SW846 6010B	08/25-08/26/06	JCJG01CM
	102	(50 - 150)	0.08 (0-20)	SW846 6010B	08/25-08/26/06	JCJG01CN
		Dilution Factor: 5				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: A6H180260

Matrix.....: SOLID

Date Sampled...: 08/15/06 08:20 Date Received...: 08/16/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A6H170114-001 Prep Batch #...: 6237028									
Leach Date.....: 08/23/06 Leach Batch #...: P623506									
Mercury									
ND		0.0050	0.0052	mg/L	104		SW846 7470A	08/25-08/29/06	JCJG01CP
ND		0.0050	0.0052	mg/L	105	0.71	SW846 7470A	08/25-08/29/06	JCJG01CQ
Dilution Factor: 1									
Arsenic									
ND		5.0	5.4	mg/L	107		SW846 6010B	08/25-08/26/06	JCJG01A8
ND		5.0	5.3	mg/L	107	0.38	SW846 6010B	08/25-08/26/06	JCJG01A9
Dilution Factor: 5									
Barium									
ND		50.0	51.4	mg/L	102		SW846 6010B	08/25-08/26/06	JCJG01CA
ND		50.0	51.0	mg/L	101	0.66	SW846 6010B	08/25-08/26/06	JCJG01CC
Dilution Factor: 5									
Cadmium									
ND		1.0	1.1	mg/L	107		SW846 6010B	08/25-08/26/06	JCJG01CD
ND		1.0	1.1	mg/L	107	0.34	SW846 6010B	08/25-08/26/06	JCJG01CE
Dilution Factor: 5									
Chromium									
ND		5.0	5.1	mg/L	103		SW846 6010B	08/25-08/26/06	JCJG01CF
ND		5.0	5.1	mg/L	102	0.35	SW846 6010B	08/25-08/26/06	JCJG01CG
Dilution Factor: 5									
Lead									
ND		5.0	5.7	mg/L	107		SW846 6010B	08/25-08/26/06	JCJG01CH
ND		5.0	5.7	mg/L	107	0.47	SW846 6010B	08/25-08/26/06	JCJG01CJ
Dilution Factor: 5									
Selenium									
ND		1.0	1.1	mg/L	108		SW846 6010B	08/25-08/26/06	JCJG01CK
ND		1.0	1.1	mg/L	107	0.85	SW846 6010B	08/25-08/26/06	JCJG01CL
Dilution Factor: 5									
Silver									
ND		1.0	1.0	mg/L	102		SW846 6010B	08/25-08/26/06	JCJG01CM
ND		1.0	1.0	mg/L	102	0.08	SW846 6010B	08/25-08/26/06	JCJG01CN
Dilution Factor: 5									

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A6H180260

Work Order #....: JCN19-SMP
JCN19-DUP

Matrix.....: S0

Date Sampled....: 08/17/06 14:10

Date Received...: 08/18/06

% Moisture.....: 12

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u> <u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Corrosivity	8.3	8.6	No Units	3.1	(0-20)	SD Lot-Sample #: A6H180260-002 SW846 9045A	08/18/06	6231073
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A6H180260

Work Order #....: JCM23-SMP
JCM23-DUP

Matrix.....: SOLID

Date Sampled....: 08/17/06 09:00

Date Received...: 08/18/06

% Moisture.....: 11

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	88.9	85.1	%	4.4	(0-20)	SD Lot-Sample #: A6H180162-007 MCAWW 160.3 MOD	08/22-08/23/06	6234465

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A6H180260

Work Order #...: JCQ2W-SMP
JCQ2W-DUP

Matrix.....: SOLID

Date Sampled...: 08/18/06 08:42

Date Received...: 08/19/06

% Moisture.....: 10

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	89.6	89.3	%	0.28	(0-20)	SD Lot-Sample #: A6H190159-003 MCAWW 160.3 MOD	08/22-08/23/06	6234465

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A6H180260

Work Order #...: JAWFG-SMP
JAWFG-DUP

Matrix.....: WASTE

Date Sampled...: 08/07/06 11:00

Date Received...: 08/08/06

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u> <u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Flashpoint	138	142	deg F	2.4	(0-20)	SD Lot-Sample #: C6H080299-001 SW846 1010	08/24/06	6236559
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A6H180260

Work Order #...: JA14A-SMP
JA14A-DUP

Matrix.....: WASTE

Date Sampled...: 08/07/06 15:00

Date Received...: 08/09/06

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u> <u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Flashpoint	147	147	deg F	0.14	(0-20)	SD Lot-Sample #: C6H100104-001 SW846 1010	08/24/06	6236559
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A6H180260

Work Order #...: JA14G-SMP
JA14G-DUP

Matrix.....: WASTE

Date Sampled...: 08/07/06 15:00

Date Received...: 08/09/06

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Flashpoint	138	140	deg F	1.3	(0-20)	SD Lot-Sample #: C6H100106-001 SW846 1010	08/24/06	6236559
Dilution Factor: 1								

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A6H180260

Work Order #...: JC0K6-SMP
JC0K6-DUP

Matrix.....: SOLID

Date Sampled...: 08/22/06 15:20

Date Received...: 08/23/06

% Moisture.....: 14

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Flashpoint	>180	>180	deg F	0.0	(0-20)	SD Lot-Sample #: A6H230137-001 SW846 1010	08/24/06	6236559

Dilution Factor: 1

**CONESTOGA-ROVERS
& ASSOCIATES**

CHAIN-OF-CUSTODY / Analytical Request Document

CONFIDENTIAL DOCUMENT All information should be controlled appropriately

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PAGE 1 OF 1

ID # N^o D 1459

SSOW Ref. Code:

E 030010

Laboratory: STL
Laboratory Location: N. Canton OH
Laboratory Contact: Danise Hecker
Requested Due Date: ---
QA/QC Requirements: TAT 3 weeks

Analysis and Method

Required Client Information:	
Company: CRA, Inc.	Report To: Kathy Shaw
Address: 14496 Sheldon Rd.	Copy To: —
Suite 200	Invoice To: Darla Stewart
Plymouth, MI 48170	P.O.: —
Phone: 734-453-5123	Project Name: GM-GR MED
Fax: 734-453-5201	Project Number: 17360-10
Email:	

Sample Identification:

Valid Matrix Codes
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for
Additional Codes

Matrix Code

Date Collected

Time Collected

Containers

Unpreserved

HCI

 H_2SO_4

11N(03)

 NaOH

Other:

TRIP VOC.

TCLP SVOC

TCLP Metals

Total PCBs

Reaktiv von

Reactive Sulf

Limitability

Corrosivity

Remarks/Lab ID	

1.	S-17360-081706-MMD-001	50	8/17/06	1315	33	X
2.	S-17360-081706-MMD-002	50	8/17/06	1410	33	X
3.						X
4.						X
5.						X
6.						X
7.						X
8.						X
9.						X
10.						X
11.						X
12.						X
13.						X
14.						X
15.						X

Sample Condition

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Distribution: WHITE - Fully Executed Copy

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - ~~Sampler~~ Copy

RFV 066041

Sampler Name: Marie E. Mathé, Drader
 Sampler Signature: [Signature] Date: 8/17/06

STL North Canton

STL Cooler Receipt Form/Narrative

Lot Number: Alt 180260

North Canton Facility

Client: CRTProject: GM GR MFDQuote#: 72904Cooler Received on: 8/18/06Opened on: 8/18/06by: [Signature] (Signature)Fedx ☒ Client Drop Off ☐ UPS ☐DHL ☐ FAS ☐ STL Courier ☐Stetson ☐ US Cargo ☐

Other: _____

STL Cooler No# 241-471Foam Box ☐Client Cooler ☐

Other _____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity _____

Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒Yes ☐ No ☐ NA ☒2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐Yes ☒ No ☐ NA ☐3. Did custody papers accompany the samples? Yes ☒ No ☐Relinquished by client? Yes ☒ No ☐4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐Yes ☒ No ☐5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐

Other: _____

6. Cooler temperature upon receipt 3.6 °C (see back of form for multiple coolers/temp)METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H₂O Slurry ☐COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐None ☐7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐Yes ☒ No ☐8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐Yes ☒ No ☐9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☒Yes ☐ No ☐ NA ☒10. Were correct bottles used for the tests indicated? Yes ☒ No ☐Yes ☒ No ☐11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒Yes ☐ No ☐ NA ☒12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐Yes ☒ No ☐13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒Yes ☐ No ☒ NA ☒14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒Yes ☐ No ☐ NA ☒Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot # 122805-HNO₃; Sulfuric Acid Lot # 100405-H₂SO₄; Sodium Hydroxide Lot # -100405 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID

pH

Date

Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

[illegible][illegible]

Discrepancies Cont.

[illegible][illegible]

END OF REPORT

APPENDIX C

DATA QUALITY VALIDATION MEMORANDUMS



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Gary Klepper	REF. NO.: 17360-10
FROM Kathy Shaw/kms/1/CT 	DATE: October 19, 2006
RE: Data Quality Assessment and Validation 2006 Groundwater Investigation General Motors Grand Rapids MFD Site - Grand Rapids, Michigan	SSOW: 17307-030006

The following details a quality assessment and validation of the analytical data resulting from the August 7, 2006 collection of six (6) groundwater and two (2) quality control samples from the General Motors Grand Rapids MDF Site in Grand Rapids, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories, Inc. in North Canton, Ohio (STL) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

The following elements are addressed in this memorandum with qualification if necessary in the identified tables:

	Data Review Element	Qualification Table
1	Sample Quantitation	NA
2	Sample Preservation and Holding Times	NA
3	Method Blank Samples	NA
4	Surrogate Compounds - Organic Analyses	NA
5	Matrix Spike/Matrix Spike Duplicate Analyses	Table 3
6	Laboratory Control Sample Analysis/Laboratory Control Duplicate	Table 4
7	Field Quality Assurance/Quality Control	NA

Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2. The samples were prepared and/or analyzed within the specified holding time periods. The samples were shipped and maintained in accordance with the sample preservation requirements.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The method blank samples were reported to be free from detectable levels of target analytes, indicating no additional laboratory-attributable contamination occurred.

Surrogate Compounds - Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report. The surrogate recovery acceptance criteria were met for all samples.

Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The sample selected for MS/MSD analysis is identified in Table 1.

The samples that should be qualified due to violation of MS/MSD percent recovery criteria are outlined in Table 3. The MS/MSD percent recoveries and associated RPD acceptance criteria were met in the remaining sample analyses.

Laboratory Control Sample/Laboratory Control Duplicate Analysis

The laboratory control sample and laboratory control duplicate (LCS/LCD) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS/LCD percent recoveries were evaluated against method and laboratory established control limits. The LCS/LCD percent recoveries were within the laboratory control limits or did not warrant qualification, indicating that an acceptable level of overall performance was achieved with the exception of samples presented with qualifiers in Table 4.

Laboratory precision was verified by the relative percent difference (RPD) of the LCS/LCD when a matrix spike/matrix spike duplicate was not analyzed. The RPDs were within the laboratory control limits, indicating that an acceptable level of overall laboratory precision was achieved.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field duplicate sample set and one (1) trip blank sample.

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample set. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. Table 5 presents the RPDs of detected analytes in duplicate sample set. The data indicate that an adequate level of precision was achieved for the sampling event.

To monitor potential cross-contamination of VOC during aqueous sample transportation and storage, a trip blank was submitted to the laboratory for VOC analysis with each shipping cooler containing multiple samples. No target analytes were reported as detected in the trip blank sample.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
2006 GROUNDWATER INVESTIGATION
GENERAL MOTORS GRAND RAPIDS MFD
GRAND RAPIDS, MICHIGAN

Page 1 of 1

Parameters

<i>Sample Identification</i>	<i>Sample Location</i>	<i>Matrix</i>	<i>QC Sample</i>	<i>TCL VOC</i>
GW-17360-080706-DR-001	HP17-06	Water		X
GW-17360-080706-DR-002	HP17-06	Water		X
GW-17360-080706-DR-003	HP17-06	Water		X
GW-17360-080706-DR-004	HP17-06	Water		X
GW-17360-080706-DR-005	HP17-06	Water	Duplicate (004)	X
GW-17360-080706-DR-006	HP17-06	Water		X
GW-17360-080706-DR-007	HP17-06	Water	MS/MSD	X
TB-17360-080706-DR-008	--	Water	Trip Blank	X

TCL - Target Compound List

VOC - Volatile Organic Compounds

QC - Quality Control

MS/MSD - Matrix Spike / Matrix Spike Duplicate

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
GENERAL MOTORS GRAND RAPIDS MFD
GRAND RAPIDS, MICHIGAN

<i>Parameter</i>	<i>Method</i>	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
TCL VOC	SW-846 8260B	Water	- 14 days from sample collection to completion of analysis.	pH < 2 and Iced, 4 ± 2° C

TABLE 3

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
GENERAL MOTORS GRAND RAPIDS MFD
GRAND RAPIDS, MICHIGAN

Parameter	Associated Sample ID	Analyte	MS Recovery (percent)	MSD Recovery (percent)	RPD	Control Limits		Sample Result	Units	Qualifier
						Recovery (percent)	RPD (percent)			
TCL VOC	GW-17360-080706-DR-007	1,2,4-Trichlorobenzene	78	38	69	70-130	30	5.0 U	µg/L	UJ
		1,2-Dichlorobenzene	84	66	25	70-130	30	1.0 U	µg/L	UJ
		1,3-Dichlorobenzene	86	65	28	70-130	30	1.0 U	µg/L	UJ
		1,4-Dichlorobenzene	88	66	29	70-130	30	1.0 U	µg/L	UJ
		2-Hexanone	573	761	28	81-128	30	50 U	µg/L	UJ
		cis-1,3-Dichloropropene	79	78	0.64	82-130	30	1.0 U	µg/L	UJ
		Cyclohexane	81	66	20	70-130	30	1.0 U	µg/L	UJ
		Dichlorodifluoromethane (CFC-12)	76	64	16	70-130	30	1.0 U	µg/L	UJ
		Ethylbenzene	91	83	9.4	86-132	30	1.0 U	µg/L	UJ
		Methyl cyclohexane	86	55	44	70-130	30	1.0 U	µg/L	UJ
		Styrene	84	75	11	83-120	30	1.0 U	µg/L	UJ
		Tetrachloroethene	91	82	4.5	83-121	30	12	µg/L	J
		Vinyl chloride	87	86	0.95	88-126	30	1.0 U	µg/L	UJ
		Xylenes (total)	89	81	10	89-121	30	2.0 U	µg/L	UJ

Notes:

- J - Estimated Concentration
 UJ - Estimated Report Limit
 U - Not present at or above the associated value

TABLE 4

SUMMARY OF QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS
GENERAL MOTORS GRAND RAPIDS MFD
GRAND RAPIDS, MICHIGAN

Parameter	Compound	LCS Date	Associated Sample ID	LCS %Rec	LCD %Rec	RPD (percent)	Control Limits %Rec	Sample Results	Units	Qualifier	
TCL VOC	cis-1,3-Dichloropropene	08/11/06	GW-17360-080706-DR-001	81	86	5.9	84-130	30	1.0 U	µg/L	UJ
			GW-17360-080706-DR-002					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-003					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-004					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-005					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-006					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-007					1.0 U	µg/L	UJ	
			TB-17360-080706-DR-008					1.0 U	µg/L	UJ	
TCL VOC	Dichlorodifluoromethane (CFC-12)	08/11/06	GW-17360-080706-DR-001	69	69	0.71	70-130	30	1.0 U	µg/L	UJ
			GW-17360-080706-DR-002					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-003					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-004					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-005					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-006					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-007					1.0 U	µg/L	UJ	
			TB-17360-080706-DR-008					1.0 U	µg/L	UJ	
TCL VOC	trans-1,3-Dichloropropene	08/11/06	GW-17360-080706-DR-001	81	82	0.64	84-130	30	1.0 U	µg/L	UJ
			GW-17360-080706-DR-002					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-003					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-004					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-005					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-006					1.0 U	µg/L	UJ	
			GW-17360-080706-DR-007					1.0 U	µg/L	UJ	
			TB-17360-080706-DR-008					1.0 U	µg/L	UJ	

Notes:

UJ - Estimated Report Limit
 U - Not present at or above the associated value

TABLE 5

SUMMARY OF DETECTED ANALYTES IN THE FIELD DUPLICATE SAMPLE SET
GENERAL MOTORS GRAND RAPIDS MFD
GRAND RAPIDS, MICHIGAN

<i>Parameter</i>	<i>Analyte</i>	<i>Original Sample ID</i>	<i>Original Result</i>	<i>Duplicate Sample ID</i>	<i>Duplicate Result</i>	<i>RPD</i>	<i>Units</i>
TCL VOC	Bromodichloromethane	GW-17360-080706-DR-004	2.3	GW-17360-080706-DR-005	2.3	0	µg/L
	Chloroform		5.5		5.6	1.8	µg/L
	cis-1,2-Dichloroethene		7.6		7.7	1.3	µg/L
	Dibromochloromethane		1.0 U		1.0	NC	µg/L
	Tetrachloroethene		1.3		1.4	7.4	µg/L
	Trichloroethene		5.0		5.0	0	µg/L

 RPD - Relative Percent Difference

U - Not present at or above the associated value

NC - Not calculable



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MEMORANDUM

TO: Kurt Blizzard/GM ENCORE

REF. No.: 017360-10

FROM: Jeni Quigley/jq/50/Lan. 

DATE: September 8, 2006

C.C.: Scott Murto/GM
Gary Klepper/CRA

RE: 2005 Bulk Unload Area Investigation Summary
General Motors Corporation Metal Fabrication Division
Grand Rapids Metal Plant
Wyoming, Michigan

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

1.0 INTRODUCTION/BACKGROUND

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

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

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

2.0 SCOPE OF WORK

Investigation activities included the advancement of seven soil borings and the collection of 33 soil samples. Figure 2 presents the trench drain layout and approximate soil boring locations.

2.1 SOIL BORING ADVANCEMENT

Seven soil borings, SB19-05 through SB25-05 (SB19 through SB25), were advanced at the Site on December 12, 2005 and a total of 33 soil samples were collected to define current soil conditions in the vicinity of the trench drain. Soil borings SB19 through SB24 were advanced around the perimeter of the trench drain and SB25 was advanced in the northwest corner inside the trench drain area.

Soil borings were advanced utilizing a 4 1/4-inch hollow stem auger (HSA) drill rig with continuous split-spoon sampling. Soil samples were collected starting at the top of the ground surface and continuing at two-foot intervals until a terminal depth of ten feet bgs, excluding SB23 and SB24, where samples were collected at 0 to 2 feet bgs, 4 to 6 feet bgs, and 8 to 10 feet bgs intervals. A two-foot long, two-inch outside diameter stainless steel split-spoon sampler was driven into the undisturbed material through the HSA auger. Soil samples were described and classified according to the Unified Soil Classification System (USCS) by a CRA Geologist. Soil samples were field screened for visual/olfactory evidence of impact and with an 11.7 eV photoionization detector (PID). Stratigraphic soil boring logs generated during the advancement of SB19 through SB25 are presented in Attachment B.

2.2 SOIL SAMPLE COLLECTION

Soil samples were collected at two-foot intervals using 4 1/4-inch HSA drill rig equipped with a two-foot stainless steel split-spoon sampler as described in Section 2.1. Samples were collected consistent with the protocols set forth in the Michigan Department of Environmental Quality (MDEQ) Remediation and Redevelopment Division (RRD) Operation Memorandum No. 2, October 2004.

One soil sample was collected for chemical analysis from each interval, in addition to quality assurance/quality control (QA/QC) samples. A total of 33 soil samples were collected for analysis for PNAs and Target Analyte List (TAL) metals. A sample summary is presented in Table 1. Collected samples were placed in pre-cleaned laboratory-provided containers, properly labeled, placed on ice, and shipped under chain-of-custody (COC) protocol via overnight courier to Severn Trent Laboratories (STL) in North Canton, Ohio to be analyzed on a two-week turnaround time (TAT).

3.0 RESULTS

Laboratory analytical results were compared to Michigan Public Act 451, Part 201 Generic Residential and Commercial I Cleanup Criteria (Part 201 Residential), as well as the Michigan Public Act 451, Part 201 Generic Industrial and Commercial II, III, and IV Criteria (Part 201 Industrial). A summary of analytical results compared to the Part 201 Residential Cleanup Criteria is presented in Table 2. Figure 3 provides a comparison to the Part 201 Residential Cleanup Criteria by location. A summary of analytical results compared to the Part 201 Industrial Cleanup Criteria is presented in Table 3. Figure 4 provides a

comparison to the Part 201 Industrial Cleanup Criteria by location. Analytical results for the investigation are provided in Attachment C. A copy of the data validation memorandum is provided in Attachment D.

Arsenic was detected at concentrations above the Part 201 Residential Drinking Water Protection Criteria (DWPC), Direct Contact Criteria (DCC), and State Default Background Level (SDBL) in the soil samples collected from SB20 (at 0 to 2 ft bgs and 4 to 6 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs). Arsenic was detected at concentrations above the Part 201 Industrial DWPC and SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs and 4 to 6 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs).

Barium was detected at concentrations above the Part 201 Residential and Industrial Groundwater Surface Water Interface Protection Criteria (GSIC) and the SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs).

Cadmium was detected at concentrations above the Part 201 Residential and Industrial GSIC and the SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs). Additionally, cadmium was detected at concentrations above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs).

Total chromium was detected at concentrations above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB19 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs, 2 to 4 ft bgs, 4 to 6 ft bgs), SB21 (at 0 to 2 ft bgs, 2 to 4 ft bgs, 4 to 6 ft bgs, and 6 to 8 ft bgs), and SB25 (at 2 to 4 ft bgs and 4 to 6 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial DWPC in the soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs, 2 to 4 ft bgs, and 4 to 6 ft bgs), SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs), and SB25 (at 2 to 4 ft bgs and 4 to 6 ft bgs). Total chromium was detected above the Part 201 Residential and Industrial Particulate Soil Inhalation Criteria (PSIC) in soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs), and SB25 (at 2 to 4 ft bgs). Total chromium was detected above the Part 201 Residential DCC in soil samples collected from SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs), but below the Part 201 Industrial DCC.

Lead was detected above the Part 201 Residential DCC and SDBL in the soil samples collected from SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs), and SB25 (at 2 to 4 ft bgs), with the concentrations at SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs) also exceeding the Part 201 Industrial DCC. Lead was detected above the Part 201 Residential and Industrial DWPC and GSIC in the soil samples collected from SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs).

Mercury was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil sample collected from SB20 (at 0 to 2 ft bgs).

Selenium was detected above the Part 201 Residential and Industrial GSIC and SDBL in the soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs), and SB21 (at 0 to 2 ft bgs and 6 to 8 ft bgs).

Silver was detected above the Part 201 Residential GSIC and SDBL in the soil samples collected from SB19 (at 2 to 4 ft bgs), SB20 (at 0 to 2 ft bgs), SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs), SB25 (at 2 to 4 ft bgs). Additionally, silver was detected above the Part 201 Residential DWPC in the soil samples collected from SB21 (at 4 to 6 ft bgs and 6 to 8 ft bgs) and SB25 (at 2 to 4 ft bgs), with the concentrations at SB21 (at 4 to 6 ft bgs) and SB25 (at 2 to 4 ft bgs) also exceeding the Part 201 Industrial DWPC.

Benzo(a)anthracene was detected above the Part 201 Residential DCC in the soil sample collected from SB20 (at 0 to 2 ft bgs), but below the Part 201 Industrial DCC.

Benzo(a)pyrene was detected above the Part 201 Residential DCC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB21 (at 2 to 4 ft bgs), and SB25 (at 0 to 2 ft bgs). Additionally, concentrations detected in soil samples from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs) and SB21 (at 2 to 4 ft bgs) exceeded the Part 201 Industrial DCC.

Benzo(b)fluoranthene was detected above the Part 201 Residential DCC in the soil samples collected from SB20 (at 0 to 2 ft bgs) and SB21 (at 2 to 4 ft bgs), but below the Part 201 Industrial DCC.

Dibenz(a,h)anthracene was detected above the Part 201 Residential DCC in the soil samples collected from SB20 (at 0 to 2 ft bgs) and SB21 (at 2 to 4 ft bgs), but below the Part 201 Industrial DCC.

Fluoranthene was detected above the Part 201 Residential and Industrial GSIC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB21 (at 2 to 4 ft bgs), and SB25 (at 0 to 2 ft bgs).

Naphthalene was detected above the Part 201 Residential and Industrial GSIC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs).

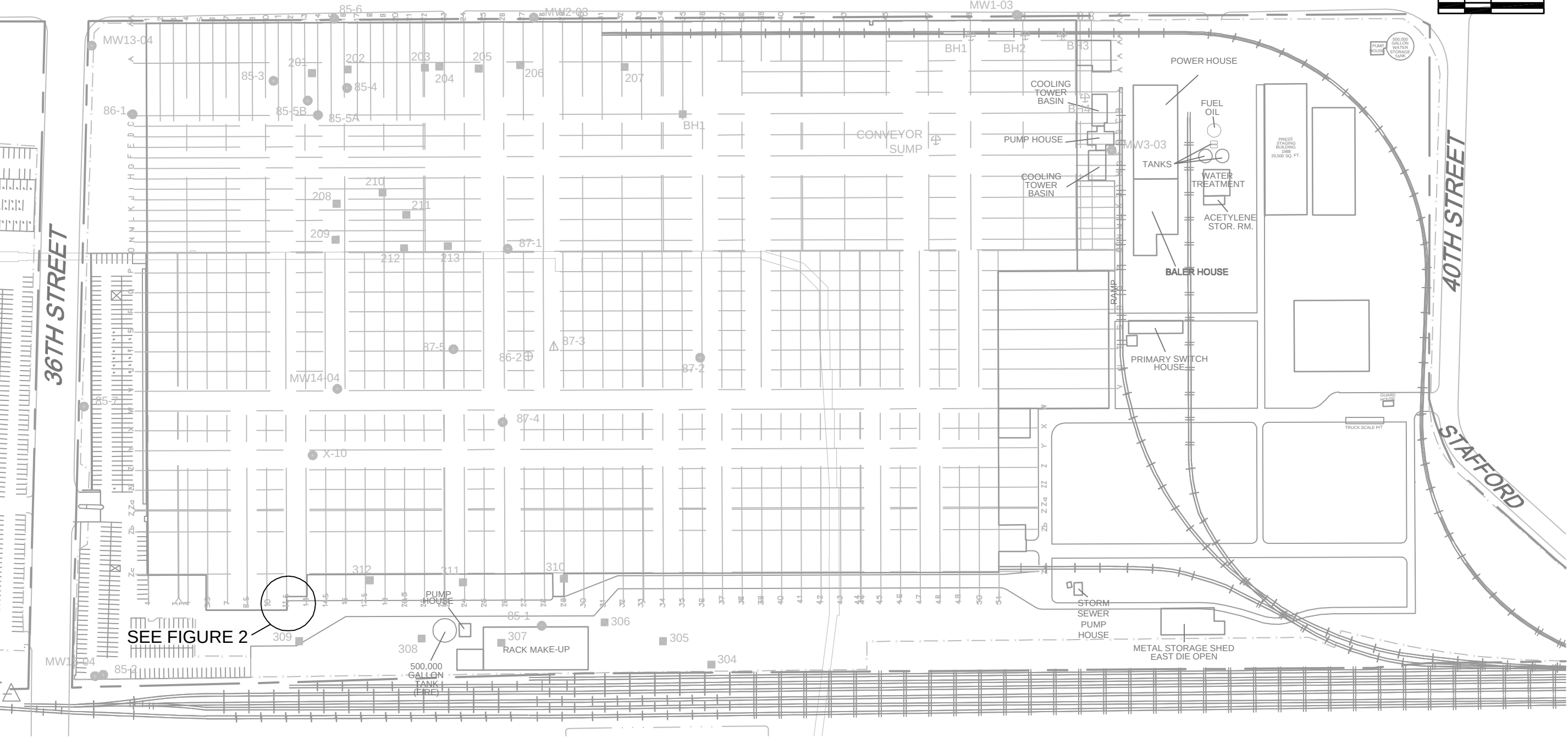
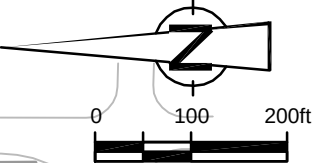
Phenanthrene was detected above the Part 201 Residential and Industrial GSIC in the soil samples collected from SB20 (at 0 to 2 ft bgs and 2 to 4 ft bgs), SB21 (at 2 to 4 ft bgs), and SB25 (at 0 to 2 ft bgs).

4.0 CONCLUSIONS AND RECOMMENDATIONS

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

A Work Plan will be prepared for further investigation of the area, including a historical review of operations conducted and a subsurface investigation.

COMMERCIAL/INDUSTRIAL



LEGEND

- 87-2 MONITORING WELL LOCATION
- ⊕ PWDISCH PURGE WELL LOCATION
- 307 SOIL BORING LOCATION
- X-10 DESTROYED/REMOVED MONITORING WELL LOCATION
- △ C-2 CULVERT LOCATION
- △ 87-3 ABANDONED AIR PURGE WELL
- ⊕ BH1 APPROXIMATE LOCATION OF DEWATERING WELLS

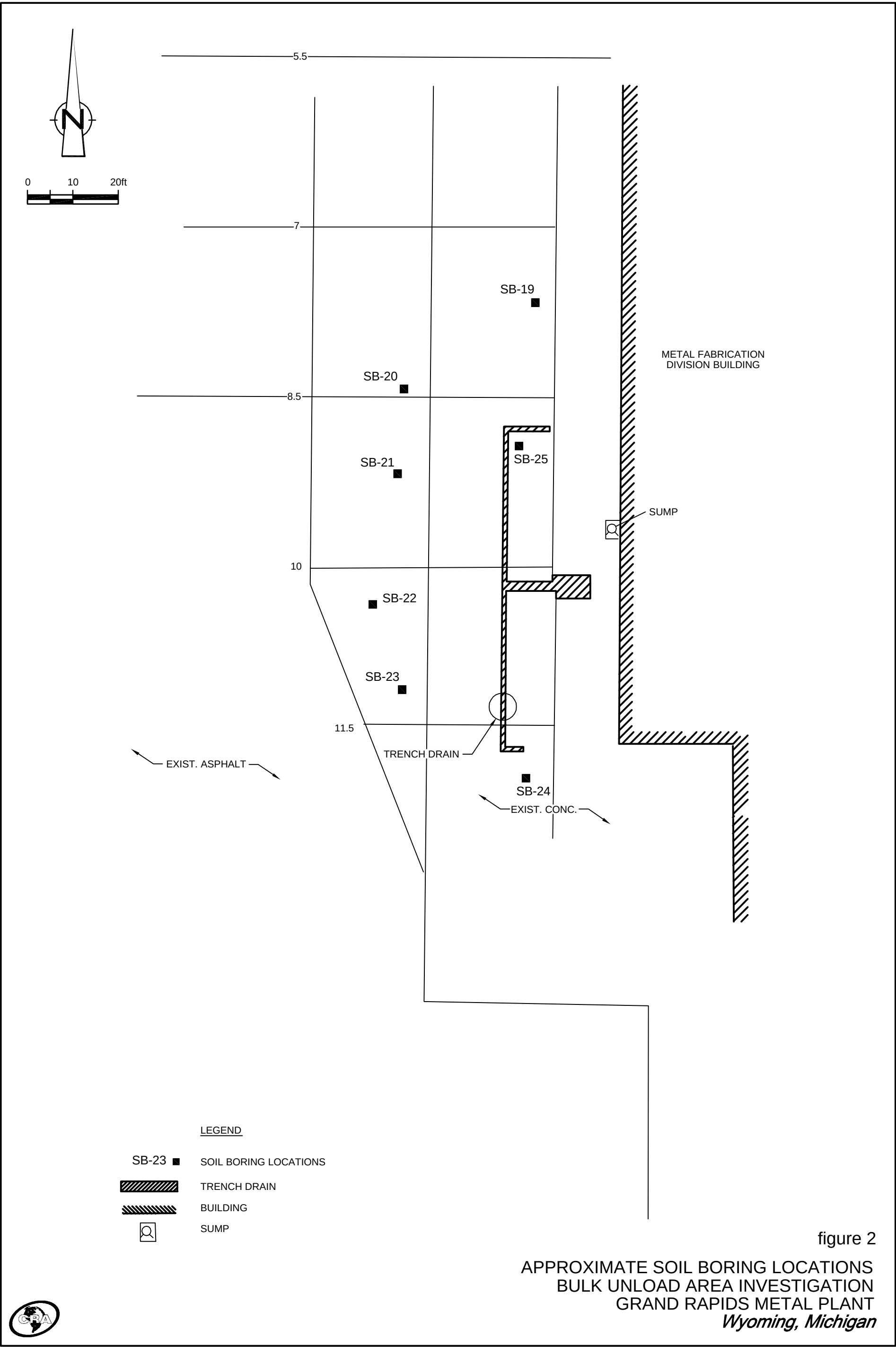
- — — — — APPROXIMATE SITE BOUNDARY
- - - - - FENCE
- - - - - RAILROAD
- - - - - COLE DRAIN

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

figure 1

APPROXIMATE BULK UNLOAD AREA
GRAND RAPIDS METAL PLANT
Wyoming, Michigan





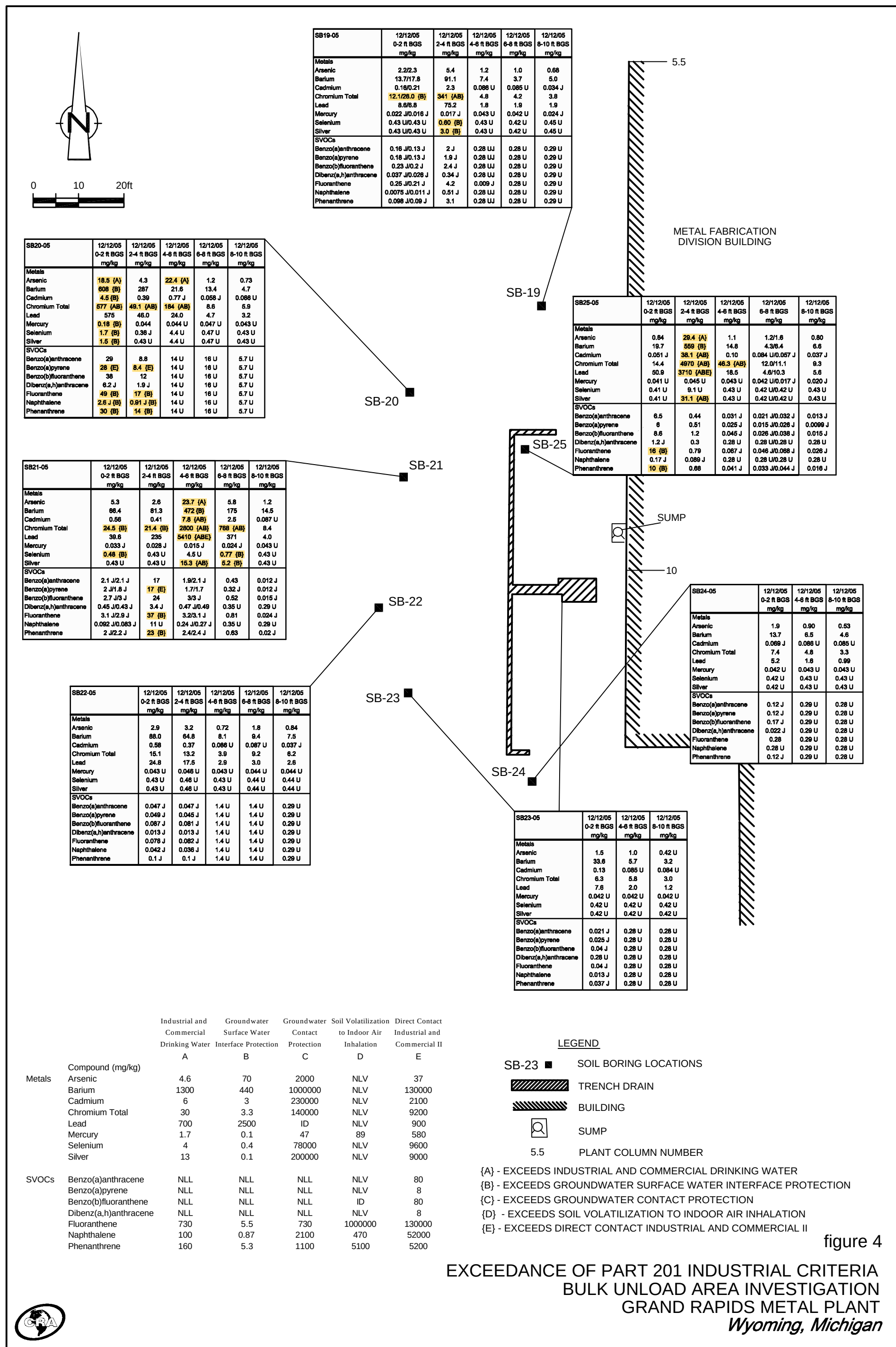


TABLE 1

SAMPLE SUMMARY
2005 BULK UNLOAD AREA INVESTIGATION SUMMARY
GENERAL MOTOR CORPORATION
GRAND RAPIDS METAL PLANT
WYOMING, MICHIGAN

<i>Sample Identification</i>	<i>Sample Location</i>	<i>Sample Depth (ft bgs)</i>	<i>Sample Matrix</i>	<i>QA/QC</i>	<i>Analysis</i>
SO-17360-121205-DCR-585	SB25-05	0 - 2	Soil	Duplicate	TAL Metals and PNAs
SO-17360-121205-DCR-586	SB25-05	2 - 4	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-587	SB25-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-588	SB25-05	6 - 8	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-589	SB25-05	6 - 8	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-590	SB25-05	8 - 10	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-591	SB24-05	0 - 2	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-592	SB24-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-593	SB24-05	8 - 10	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-594	SB23-05	0 - 2	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-595	SB23-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-596	SB23-05	8 - 10	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-597	SB22-05	0 - 2	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-598	SB22-05	2 - 4	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-599	SB22-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-600	SB22-05	6 - 8	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-601	SB22-05	8 - 10	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-602	SB21-05	0 - 2	Soil	Duplicate	TAL Metals and PNAs
SO-17360-121205-DCR-603	SB21-05	2 - 4	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-604	SB21-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-605	SB21-05	6 - 8	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-606	SB21-05	8 - 10	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-607	SB20-05	0 - 2	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-608	SB20-05	2 - 4	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-609	SB20-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-610	SB20-05	6 - 8	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-611	SB20-05	8 - 10	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-612	SB19-05	0 - 2	Soil	Duplicate	TAL Metals and PNAs
SO-17360-121205-DCR-613	SB19-05	0 - 2	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-614	SB19-05	2 - 4	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-615	SB19-05	4 - 6	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-616	SB19-05	6 - 8	Soil		TAL Metals and PNAs
SO-17360-121205-DCR-617	SB19-05	8 - 10	Soil		TAL Metals and PNAs

PNA - Polynuclear Aromatic Compounds

TAL Metals - Target Analyte List Metals

QC - Quality Control

TABLE 2

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

Sample Location		<i>Michigan Act 451, Part 201 Residential and Commercial</i> ⁽¹⁾										<i>SB19-05</i>	<i>SB19-05</i>	<i>SB19-05</i>	<i>SB19-05</i>	<i>SB19-05</i>	<i>SB19-05</i>
Sample Identification		Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	<i>SO-17360-121205-DCR-612</i>	<i>SO-17360-121205-DCR-613</i>	<i>SO-17360-121205-DCR-614</i>	<i>SO-17360-121205-DCR-615</i>	<i>SO-17360-121205-DCR-616</i>	<i>SO-17360-121205-DCR-617</i>
Sample Date		Default	Water	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>
Sample Depth		Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness			<i>0-2 ft BGS</i>	<i>0-2 ft BGS</i>	<i>2-4 ft BGS</i>	<i>4-6 ft BGS</i>	<i>6-8 ft BGS</i>	<i>8-10 ft BGS</i>
Sample Type		a	b	c	d	e	f	g	h	i	j		<i>Duplicate</i>				
<i>Units</i>																	
<i>PNA</i> s																	
2-Methylnaphthalene	mg/kg		57	ID	5500	ID	ID	ID	ID	ID	8100	0.011 J	0.013 J	0.47 J	0.28 UJ	0.28 U	0.29 U
Acenaphthene	mg/kg		300	4.4	970	190000	81000	81000	81000	14000000	41000	0.28 UJ	0.28 U	0.37 J	0.28 UJ	0.28 U	0.29 U
Acenaphthylene	mg/kg		5.9	ID	440	1600	2200	2200	2200	2300000	1600	0.28 UJ	0.28 U	2.9 U	0.28 UJ	0.28 U	0.29 U
Anthracene	mg/kg		41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	0.023 J	0.023 J	0.75 J	0.28 UJ	0.28 U	0.29 U
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	0.16 J	0.13 J	2 J	0.28 UJ	0.28 U	0.29 U
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	0.18 J	0.13 J	1.9 J	0.28 UJ	0.28 U	0.29 U
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	20	0.23 J	0.2 J	2.4 J	0.28 UJ	0.28 U	0.29 U
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	0.14 J	0.095 J	1.4 J	0.28 UJ	0.28 U	0.29 U
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	0.07 J	0.071 J	1.1 J	0.28 UJ	0.28 U	0.29 U
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	0.17 J	0.13 J	2.2 J	0.28 UJ	0.28 U	0.29 U
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	0.037 J	0.026 J	0.34 J	0.28 UJ	0.28 U	0.29 U
Fluoranthene	mg/kg		730	5.5	730	1000000	740000	740000	740000	9300000	46000	0.25 J	0.21 J	4.2	0.009 J	0.28 U	0.29 U
Fluorene	mg/kg		390	5.3	890	580000	130000	130000	130000	9300000	27000	0.28 UJ	0.0073 J	0.43 J	0.28 UJ	0.28 U	0.29 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	0.12 J	0.084 J	1.2 J	0.28 UJ	0.28 U	0.29 U
Naphthalene	mg/kg		35	0.87	2100	250	300	300	300	200000	16000	0.0075 J	0.011 J	0.51 J	0.28 UJ	0.28 U	0.29 U
Phenanthrene	mg/kg		56	5.3	1100	2800	160	160	160	6700	1600	0.098 J	0.09 J	3.1	0.28 UJ	0.28 U	0.29 U
Pyrene	mg/kg		480	ID	480	1000000	650000	650000	650000	6700000	29000	0.21 J	0.18 J	3.2	0.28 UJ	0.28 U	0.29 U
<i>Metals</i>																	
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	720	7.6	2.3	2.2	5.4	1.2	1.0	0.68
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	330000	37000	17.8	13.7	91.1	7.4	3.7	5.0
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	1700	550	0.21	0.16	2.3	0.086 U	0.085 U	0.034 J
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	260	2500	26.0 ^{ac}	12.1	341 ^{abct}	4.8	4.2	3.8
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	100000	400	8.6	6.8	75.2	1.8	1.9	1.9
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	52	20000	160	0.016 J	0.022 J	0.017 J	0.043 U	0.042 U	0.024 J
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	130000	2600	0.43 U	0.43 U	0.60 ^{ac}	0.43 U	0.42 U	0.45 U
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	NLV	6700	2500	0.43 U	0.43 U	3.0 ^{ac}	0.43 U	0.42 U	0.45 U

(1) Cleanup criteria identified by MDEQ RRD Op Memo No. 1, updated 1/23/2006, pursuant to 1994 PA 451 as amended.

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

TABLE 2

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

Sample Location		<i>Michigan Act 451, Part 201 Residential and Commercial</i> ⁽¹⁾										SB20-05	SB20-05	SB20-05	SB20-05	SB20-05	SB21-05
Sample Identification		Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	SO-17360-121205-DCR-607	SO-17360-121205-DCR-608	SO-17360-121205-DCR-609	SO-17360-121205-DCR-610	SO-17360-121205-DCR-611	SO-17360-121205-DCR-602
Sample Date		Default	Water	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005
Sample Depth		Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness			0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	8-10 ft BGS	0-2 ft BGS
Sample Type		a	b	c	d	e	f	g	h	i	j						
Units																	
PNAs																	
2-Methylnaphthalene	mg/kg		57	ID	5500	ID	ID	ID	ID	ID	8100	1.5 J	0.71 J	14 U	16 U	5.7 U	0.13 J
Acenaphthene	mg/kg		300	4.4	970	190000	81000	81000	81000	14000000	41000	2.3 J	1.3 J	14 U	16 U	5.7 U	0.18 J
Acenaphthylene	mg/kg		5.9	ID	440	1600	2200	2200	2200	2300000	1600	2.1 J	5.7 U	14 U	16 U	5.7 U	0.026 J
Anthracene	mg/kg		41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	9 J	2.9 J	14 U	16 U	5.7 U	0.57 J
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	29 ^j	8.8	14 U	16 U	5.7 U	2.1 J
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	28 ^j	8.4 ^j	14 U	16 U	5.7 U	2 J
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	20	38 ^j	12	14 U	16 U	5.7 U	3 J
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	21	6.3	14 U	16 U	5.7 U	1.3 J
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	14 J	4.4 J	14 U	16 U	5.7 U	0.82 J
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	32	12	14 U	16 U	5.7 U	2.6 J
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	6.2 J ^j	1.9 J	14 U	16 U	5.7 U	0.43 J
Fluoranthene	mg/kg		730	5.5	730	1000000	740000	740000	740000	9300000	46000	49 ^c	17 ^c	14 U	16 U	5.7 U	3.1 J
Fluorene	mg/kg		390	5.3	890	580000	130000	130000	130000	9300000	27000	3.5 J	1.5 J	14 U	16 U	5.7 U	0.26 J
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	17	5.2 J	14 U	16 U	5.7 U	1.1 J
Naphthalene	mg/kg		35	0.87	2100	250	300	300	300	200000	16000	2.6 J ^c	0.91 J ^c	14 U	16 U	5.7 U	0.092 J
Phenanthrene	mg/kg		56	5.3	1100	2800	160	160	160	6700	1600	30 ^c	14 ^c	14 U	16 U	5.7 U	2.2 J
Pyrene	mg/kg		480	ID	480	1000000	650000	650000	650000	6700000	29000	39	14	14 U	16 U	5.7 U	2.6 J
Metals																	
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	720	7.6	18.5 ^{abj}	4.3	22.4 ^{abj}	1.2	0.73	5.3
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	330000	37000	608 ^{ac}	287	21.6	13.4	4.7	66.4
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	1700	550	4.5 ^{ac}	0.39	0.77 J	0.058 J	0.086 U	0.56
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	260	2500	577 ^{abct}	49.1 ^{abcc}	184 ^{abcc}	8.6	5.9	24.5 ^{ac}
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	100000	400	575 ^{aj}	46.0	24.0	4.7	3.2	39.6
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	52	20000	160	0.18 ^{ac}	0.044	0.044 U	0.047 U	0.043 U	0.033 J
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	130000	2600	1.7 ^{ac}	0.36 J	4.4 U	0.47 U	0.43 U	0.48 ^{ac}
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	NLV	6700	2500	1.5 ^{ac}	0.43 U	4.4 U	0.47 U	0.43 U	0.43 U

(1) Cleanup criteria identified by MDEQ RRD Op Memo No. 1, updated 1/23/2006, pursuant to 1994 PA 451 as amended.

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

TABLE 2

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

Sample Location		<i>Michigan Act 451, Part 201 Residential and Commercial</i> ⁽¹⁾										<i>SB21-05</i>	<i>SB21-05</i>	<i>SB21-05</i>	<i>SB21-05</i>	<i>SB22-05</i>	<i>SB22-05</i>
Sample Identification		Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	<i>SO-17360-121205-DCR-603</i>	<i>SO-17360-121205-DCR-604</i>	<i>SO-17360-121205-DCR-605</i>	<i>SO-17360-121205-DCR-606</i>	<i>SO-17360-121205-DCR-597</i>	<i>SO-17360-121205-DCR-598</i>
Sample Date		Default	Water	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>
Sample Depth		Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness			<i>2-4 ft BGS</i>	<i>4-6 ft BGS</i>	<i>6-8 ft BGS</i>	<i>8-10 ft BGS</i>	<i>0-2 ft BGS</i>	<i>2-4 ft BGS</i>
Sample Type		a	b	c	d	e	f	g	h	i	j						
<i>Units</i>																	
<i>PNA</i> s																	
2-Methylnaphthalene	mg/kg		57	ID	5500	ID	ID	ID	ID	ID	8100	11 U	0.078 J	0.35 U	0.29 U	0.086 J	0.079 J
Acenaphthene	mg/kg		300	4.4	970	190000	81000	81000	81000	14000000	41000	1.9 J	0.18 J	0.043 J	0.29 U	0.28 U	0.3 U
Acenaphthylene	mg/kg		5.9	ID	440	1600	2200	2200	2200	2300000	1600	11 U	0.017 J	0.35 U	0.29 U	0.01 J	0.3 U
Anthracene	mg/kg		41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	5.2 J	0.54	0.12 J	0.29 U	0.0099 J	0.0098 J
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	17	1.9	0.43	0.012 J	0.047 J	0.047 J
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	17 ^J	1.7	0.32 J	0.012 J	0.049 J	0.045 J
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	20	24 ^J	3	0.52	0.015 J	0.087 J	0.081 J
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	12	1.3	0.25 J	0.29 U	0.046 J	0.045 J
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	8.9 J	1	0.12 J	0.29 U	0.022 J	0.022 J
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	21	2.6	0.49	0.013 J	0.08 J	0.079 J
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	3.4 J ^J	0.49	0.35 U	0.29 U	0.013 J	0.013 J
Fluoranthene	mg/kg		730	5.5	730	1000000	740000	740000	740000	9300000	46000	37 ^U	3.2	0.81	0.024 J	0.078 J	0.082 J
Fluorene	mg/kg		390	5.3	890	580000	130000	130000	130000	9300000	27000	2.2 J	0.23 J	0.047 J	0.29 U	0.28 U	0.3 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	10 J	1.2	0.21 J	0.29 U	0.033 J	0.032 J
Naphthalene	mg/kg		35	0.87	2100	250	300	300	300	200000	16000	11 U	0.27 J	0.35 U	0.29 U	0.042 J	0.036 J
Phenanthrene	mg/kg		56	5.3	1100	2800	160	160	160	6700	1600	23 ^U	2.4	0.63	0.02 J	0.1 J	0.1 J
Pyrene	mg/kg		480	ID	480	1000000	650000	650000	650000	6700000	29000	29	2.5	0.64	0.019 J	0.065 J	0.067 J
<i>Metals</i>																	
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	720	7.6	2.6	23.7 ^{abj}	5.8	1.2	2.9	3.2
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	330000	37000	81.3	472 ^{ac}	175	14.5	88.0	64.8
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	1700	550	0.41	7.8 ^{abc}	2.5	0.087 U	0.58	0.37
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	260	2500	21.4 ^{ac}	2800 ^{abcuj}	768 ^{abcd}	8.4	15.1	13.2
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	100000	400	235	5410 ^{abcj}	371	4.0	24.8	17.5
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	52	20000	160	0.028 J	0.015 J	0.024 J	0.043 U	0.043 U	0.046 U
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	130000	2600	0.43 U	4.5 U	0.77 ^{ac}	0.43 U	0.43 U	0.46 U
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	NLV	6700	2500	0.43 U	15.3 ^{abc}	5.2 ^{abc}	0.43 U	0.43 U	0.46 U

(1) Cleanup criteria identified by MDEQ RRD Op Memo No. 1, updated 1/23/2006, pursuant to 1994 PA 451 as amended.

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

TABLE 2

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

Sample Location		<i>Michigan Act 451, Part 201 Residential and Commercial</i> ⁽¹⁾										<i>SB22-05</i>	<i>SB22-05</i>	<i>SB22-05</i>	<i>SB23-05</i>	<i>SB23-05</i>	<i>SB23-05</i>
Sample Identification		Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	<i>SO-17360-121205-DCR-599</i>	<i>SO-17360-121205-DCR-600</i>	<i>SO-17360-121205-DCR-601</i>	<i>SO-17360-121205-DCR-594</i>	<i>SO-17360-121205-DCR-595</i>	<i>SO-17360-121205-DCR-596</i>
Sample Date		Default	Water	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>
Sample Depth		Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness			<i>4-6 ft BGS</i>	<i>6-8 ft BGS</i>	<i>8-10 ft BGS</i>	<i>0-2 ft BGS</i>	<i>4-6 ft BGS</i>	<i>8-10 ft BGS</i>
Sample Type		a	b	c	d	e	f	g	h	i	j						
<i>Units</i>																	
<i>PNA</i> s																	
2-Methylnaphthalene	mg/kg		57	ID	5500	ID	ID	ID	ID	ID	8100	1.4 U	1.4 U	0.29 U	0.025 J	0.28 U	0.28 U
Acenaphthene	mg/kg		300	4.4	970	190000	81000	81000	81000	14000000	41000	1.4 U	1.4 U	0.29 U	0.28 U	0.28 U	0.28 U
Acenaphthylene	mg/kg		5.9	ID	440	1600	2200	2200	2200	2300000	1600	1.4 U	1.4 U	0.29 U	0.28 U	0.28 U	0.28 U
Anthracene	mg/kg		41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	1.4 U	1.4 U	0.29 U	0.28 U	0.28 U	0.28 U
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	1.4 U	1.4 U	0.29 U	0.021 J	0.28 U	0.28 U
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	1.4 U	1.4 U	0.29 U	0.025 J	0.28 U	0.28 U
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	20	1.4 U	1.4 U	0.29 U	0.04 J	0.28 U	0.28 U
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	1.4 U	1.4 U	0.29 U	0.02 J	0.28 U	0.28 U
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	1.4 U	1.4 U	0.29 U	0.015 J	0.28 U	0.28 U
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	1.4 U	1.4 U	0.29 U	0.036 J	0.28 U	0.28 U
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	1.4 U	1.4 U	0.29 U	0.28 U	0.28 U	0.28 U
Fluoranthene	mg/kg		730	5.5	730	1000000	740000	740000	740000	9300000	46000	1.4 U	1.4 U	0.29 U	0.04 J	0.28 U	0.28 U
Fluorene	mg/kg		390	5.3	890	580000	130000	130000	130000	9300000	27000	1.4 U	1.4 U	0.29 U	0.28 U	0.28 U	0.28 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	1.4 U	1.4 U	0.29 U	0.015 J	0.28 U	0.28 U
Naphthalene	mg/kg		35	0.87	2100	250	300	300	300	200000	16000	1.4 U	1.4 U	0.29 U	0.013 J	0.28 U	0.28 U
Phenanthrene	mg/kg		56	5.3	1100	2800	160	160	160	6700	1600	1.4 U	1.4 U	0.29 U	0.037 J	0.28 U	0.28 U
Pyrene	mg/kg		480	ID	480	1000000	650000	650000	650000	6700000	29000	1.4 U	1.4 U	0.29 U	0.035 J	0.28 U	0.28 U
<i>Metals</i>																	
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	720	7.6	0.72	1.8	0.84	1.5	1.0	0.42 U
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	330000	37000	8.1	9.4	7.5	33.6	5.7	3.2
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	1700	550	0.086 U	0.087 U	0.037 J	0.13	0.085 U	0.084 U
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	260	2500	3.9	9.2	6.2	6.3	5.8	3.0
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	100000	400	2.9	3.0	2.6	7.6	2.0	1.2
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	52	20000	160	0.043 U	0.044 U	0.044 U	0.042 U	0.042 U	0.042 U
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	130000	2600	0.43 U	0.44 U	0.44 U	0.42 U	0.42 U	0.42 U
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	NLV	6700	2500	0.43 U	0.44 U	0.44 U	0.42 U	0.42 U	0.42 U

(1) Cleanup criteria identified by MDEQ RRD Op Memo No. 1, updated 1/23/2006, pursuant to 1994 PA 451 as amended.

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

TABLE 2

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

Sample Location		<u>Michigan Act 451, Part 201 Residential and Commercial</u> ⁽¹⁾										SB24-05	SB24-05	SB24-05	SB25-05	SB25-05	SB25-05
Sample Identification		Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	SO-17360-121205-DCR-591	SO-17360-121205-DCR-592	SO-17360-121205-DCR-593	SO-17360-121205-DCR-585	SO-17360-121205-DCR-586	SO-17360-121205-DCR-587
Sample Date		Default	Water	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005
Sample Depth		Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness			0-2 ft BGS	4-6 ft BGS	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS
Sample Type		a	b	c	d	e	f	g	h	i	j						
Units																	
PNAs																	
2-Methylnaphthalene	mg/kg		57	ID	5500	ID	ID	ID	ID	ID	8100	0.0082 J	0.29 U	0.28 U	0.09 J	0.035 J	0.28 U
Acenaphthene	mg/kg		300	4.4	970	190000	81000	81000	81000	14000000	41000	0.012 J	0.29 U	0.28 U	1.1 J	0.3 U	0.28 U
Acenaphthylene	mg/kg		5.9	ID	440	1600	2200	2200	2200	2300000	1600	0.28 U	0.29 U	0.28 U	3.4 U	0.3 U	0.28 U
Anthracene	mg/kg		41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	0.035 J	0.29 U	0.28 U	2.5 J	0.052 J	0.0082 J
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	0.12 J	0.29 U	0.28 U	6.5	0.44	0.031 J
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	0.12 J	0.29 U	0.28 U	6 ^j	0.51	0.025 J
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	20	0.17 J	0.29 U	0.28 U	8.6	1.2	0.045 J
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	0.09 J	0.29 U	0.28 U	3.9	0.86	0.021 J
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	0.051 J	0.29 U	0.28 U	3.2 J	0.33	0.015 J
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	0.13 J	0.29 U	0.28 U	7.5	0.69	0.037 J
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	0.022 J	0.29 U	0.28 U	1.2 J	0.3	0.28 U
Fluoranthene	mg/kg		730	5.5	730	1000000	740000	740000	740000	9300000	46000	0.28	0.29 U	0.28 U	16 ^e	0.79	0.067 J
Fluorene	mg/kg		390	5.3	890	580000	130000	130000	130000	9300000	27000	0.0094 J	0.29 U	0.28 U	0.94 J	0.022 J	0.28 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	0.077 J	0.29 U	0.28 U	3.7	0.63	0.017 J
Naphthalene	mg/kg		35	0.87	2100	250	300	300	300	200000	16000	0.28 U	0.29 U	0.28 U	0.17 J	0.089 J	0.28 U
Phenanthrene	mg/kg		56	5.3	1100	2800	160	160	160	6700	1600	0.12 J	0.29 U	0.28 U	10 ^e	0.68	0.041 J
Pyrene	mg/kg		480	ID	480	1000000	650000	650000	650000	6700000	29000	0.21 J	0.29 U	0.28 U	12	0.53	0.047 J
Metals																	
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	720	7.6	1.9	0.90	0.53	0.64	29.4 ^{abj}	1.1
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	330000	37000	13.7	6.5	4.6	19.7	559 ^{ac}	14.8
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	1700	550	0.069 J	0.086 U	0.085 U	0.051 J	38.1 ^{abc}	0.10
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	260	2500	7.4	4.8	3.3	14.4	4970 ^{abcj}	46.3 ^{abc}
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	100000	400	5.2	1.6	0.99	50.9	3710 ^{abcj}	18.5
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	52	20000	160	0.042 U	0.043 U	0.043 U	0.041 U	0.045 U	0.043 U
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	130000	2600	0.42 U	0.43 U	0.43 U	0.41 U	9.1 U	0.43 U
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	NLV	6700	2500	0.42 U	0.43 U	0.43 U	0.41 U	31.1 ^{abc}	0.43 U

(1) Cleanup criteria identified by MDEQ RRD Op Memo No. 1, updated 1/23/2006, pursuant to 1994 PA 451 as amended.

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

TABLE 2

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

Sample Location	<i>Michigan Act 451, Part 201 Residential and Commercial</i> ⁽¹⁾										<i>SB25-05</i>	<i>SB25-05</i>	<i>SB25-05</i>
Sample Identification	Statewide	Drinking	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct	<i>SO-17360-121205-DCR-588</i>	<i>SO-17360-121205-DCR-589</i>	<i>SO-17360-121205-DCR-590</i>
Sample Date	Default	Water	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Contact	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>
Sample Depth	Background	Protection	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness			<i>6-8 ft BGS</i>	<i>6-8 ft BGS</i>	<i>8-10 ft BGS</i>
Sample Type	a	b	c	d	e	f	g	h	i	j		<i>Duplicate</i>	
<i>Units</i>													
<i>PNA</i> s													
2-Methylnaphthalene	mg/kg	57	ID	5500	ID	ID	ID	ID	ID	8100	0.28 U	0.28 U	0.28 U
Acenaphthene	mg/kg	300	4.4	970	190000	81000	81000	81000	1400000	41000	0.28 U	0.28 U	0.28 U
Acenaphthylene	mg/kg	5.9	ID	440	1600	2200	2200	2200	2300000	1600	0.28 U	0.28 U	0.28 U
Anthracene	mg/kg	41	ID	41	1000000	1400000	1400000	1400000	67000000	230000	0.28 U	0.0076 J	0.28 U
Benzo(a)anthracene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	0.021 J	0.032 J	0.013 J
Benzo(a)pyrene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	1500	2	0.015 J	0.026 J	0.0099 J
Benzo(b)fluoranthene	mg/kg	NLL	NLL	NLL	ID	ID	ID	ID	ID	20	0.026 J	0.038 J	0.015 J
Benzo(g,h,i)perylene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	800000	2500	0.011 J	0.017 J	0.0072 J
Benzo(k)fluoranthene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	200	0.0092 J	0.018 J	0.28 U
Chrysene	mg/kg	NLL	NLL	NLL	ID	ID	ID	ID	ID	2000	0.024 J	0.033 J	0.014 J
Dibenz(a,h)anthracene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	2	0.28 U	0.28 U	0.28 U
Fluoranthene	mg/kg	730	5.5	730	1000000	740000	740000	740000	9300000	46000	0.046 J	0.068 J	0.026 J
Fluorene	mg/kg	390	5.3	890	580000	130000	130000	130000	9300000	27000	0.28 U	0.28 U	0.28 U
Indeno(1,2,3-cd)pyrene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	20	0.0095 J	0.016 J	0.28 U
Naphthalene	mg/kg	35	0.87	2100	250	300	300	300	200000	16000	0.28 U	0.28 U	0.28 U
Phenanthrene	mg/kg	56	5.3	1100	2800	160	160	160	6700	1600	0.033 J	0.044 J	0.016 J
Pyrene	mg/kg	480	ID	480	1000000	650000	650000	650000	6700000	29000	0.034 J	0.047 J	0.019 J
<i>Metals</i>													
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	720	7.6	1.6	1.2	0.80
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	330000	37000	6.4	4.3	6.6
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	1700	550	0.057 J	0.084 U	0.037 J
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	260	2500	12.0	11.1	9.3
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	100000	400	10.3	4.6	5.6
Mercury	mg/kg	0.13	1.7	0.1	47	48	52	52	20000	160	0.042 U	0.017 J	0.020 J
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	130000	2600	0.42 U	0.42 U	0.43 U
Silver	mg/kg	1	4.5	0.1	200000	NLV	NLV	NLV	6700	2500	0.42 U	0.42 U	0.43 U

(1) Cleanup criteria identified by MDEQ RRD Op Memo No. 1, updated 1/23/2006, pursuant to 1994 PA 451 as amended.

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

TABLE 3

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

Sample Location		Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾										SB19-05		SB19-05		SB19-05		SB19-05		SB19-05	
Sample Identification		Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	SO-17360-121205-DCR-612	SO-17360-121205-DCR-613	SO-17360-121205-DCR-614	SO-17360-121205-DCR-615	SO-17360-121205-DCR-616					
Sample Date		Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005				
Sample Depth		Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	0-2 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS					
Sample Type		a	b	c	d	e	f	g	h	i	j	Duplicate									
Units																					
PNAs																					
2-Methylnaphthalene	mg/kg		170	ID	5500	ID	ID	ID	ID	ID	26000	0.011 J	0.013 J	0.47 J	0.28 UJ	0.28 U					
Acenaphthene	mg/kg		880	4.4	970	350000	97000	97000	97000	6200000	130000	0.28 UJ	0.28 U	0.37 J	0.28 UJ	0.28 U					
Acenaphthylene	mg/kg		17	ID	440	3000	2700	2700	2700	1000000	5200	0.28 UJ	0.28 U	2.9 U	0.28 UJ	0.28 U					
Anthracene	mg/kg		41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	0.023 J	0.023 J	0.75 J	0.28 UJ	0.28 U					
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.16 J	0.13 J	2 J	0.28 UJ	0.28 U					
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	0.18 J	0.13 J	1.9 J	0.28 UJ	0.28 U					
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	80	0.23 J	0.2 J	2.4 J	0.28 UJ	0.28 U					
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	0.14 J	0.095 J	1.4 J	0.28 UJ	0.28 U					
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	0.07 J	0.071 J	1.1 J	0.28 UJ	0.28 U					
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	0.17 J	0.13 J	2.2 J	0.28 UJ	0.28 U					
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	0.037 J	0.026 J	0.34 J	0.28 UJ	0.28 U					
Fluoranthene	mg/kg		730	5.5	730	1000000	890000	880000	880000	4100000	130000	0.25 J	0.21 J	4.2	0.009 J	0.28 U					
Fluorene	mg/kg		890	5.3	890	1000000	150000	150000	150000	4100000	87000	0.28 UJ	0.0073 J	0.43 J	0.28 UJ	0.28 U					
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.12 J	0.084 J	1.2 J	0.28 UJ	0.28 U					
Naphthalene	mg/kg		100	0.87	2100	470	350	350	350	88000	52000	0.0075 J	0.011 J	0.51 J	0.28 UJ	0.28 U					
Phenanthrene	mg/kg		160	5.3	1100	5100	190	190	190	2900	5200	0.098 J	0.09 J	3.1	0.28 UJ	0.28 U					
Pyrene	mg/kg		480	ID	480	1000000	780000	780000	780000	2900000	84000	0.21 J	0.18 J	3.2	0.28 UJ	0.28 U					
Metals																					
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	2.3	2.2	5.4	1.2	1.0					
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	17.8	13.7	91.1	7.4	3.7					
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.21		2.3	0.086 U	0.085 U					
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	26.0 ^{RC}	12.1	341 ^{ARC}	4.8	4.2					
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	8.6	6.8	75.2	1.8	1.9					
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	0.016 J	0.022 J	0.017 J	0.043 U	0.042 U					
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.43 U	0.43 U	0.60 ^{RC}	0.43 U	0.42 U					
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.43 U	0.43 U	3.0 ^{RC}	0.43 U	0.42 U					

TABLE 3

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

Sample Location		Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾										SB19-05	SB20-05	SB20-05	SB20-05	SB20-05
Sample Identification		Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	SO-17360-121205-DCR-617	SO-17360-121205-DCR-607	SO-17360-121205-DCR-608	SO-17360-121205-DCR-609	SO-17360-121205-DCR-610
Sample Date		Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005
Sample Depth		Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS
Sample Type		a	b	c	d	e	f	g	h	i	j					
		Units														
PNAs																
2-Methylnaphthalene	mg/kg		170	ID	5500	ID	ID	ID	ID	ID	26000	0.29 U	1.5 J	0.71 J	14 U	16 U
Acenaphthene	mg/kg		880	4.4	970	350000	97000	97000	97000	6200000	130000	0.29 U	2.3 J	1.3 J	14 U	16 U
Acenaphthylene	mg/kg		17	ID	440	3000	2700	2700	2700	1000000	5200	0.29 U	2.1 J	5.7 U	14 U	16 U
Anthracene	mg/kg		41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	0.29 U	9 J	2.9 J	14 U	16 U
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	29	8.8	14 U	16 U
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	0.29 U	28 ^j	8.4 ^j	14 U	16 U
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	80	0.29 U	38	12	14 U	16 U
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	3500000	7000	0.29 U	21	6.3	14 U	16 U
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	0.29 U	14 J	4.4 J	14 U	16 U
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	0.29 U	32	12	14 U	16 U
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	0.29 U	6.2 J	1.9 J	14 U	16 U
Fluoranthene	mg/kg		730	5.5	730	1000000	890000	880000	880000	4100000	130000	0.29 U	49 ^e	17 ^e	14 U	16 U
Fluorene	mg/kg		890	5.3	890	1000000	150000	150000	150000	4100000	87000	0.29 U	3.5 J	1.5 J	14 U	16 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	17	5.2 J	14 U	16 U
Naphthalene	mg/kg		100	0.87	2100	470	350	350	350	88000	52000	0.29 U	2.6 J ^e	0.91 J ^e	14 U	16 U
Phenanthrene	mg/kg		160	5.3	1100	5100	190	190	190	2900	5200	0.29 U	30 ^e	14 ^e	14 U	16 U
Pyrene	mg/kg		480	ID	480	1000000	780000	780000	780000	2900000	84000	0.29 U	39	14	14 U	16 U
Metals																
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	0.68	18.5 ^{ab}	4.3	22.4 ^{ab}	1.2
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	5.0	608 ^{ac}	287	21.6	13.4
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.034 J	4.5 ^{ac}	0.39	0.77 J	0.058 J
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	3.8	577 ^{abct}	49.1 ^{abc}	184 ^{abc}	8.6
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	1.9	575	46.0	24.0	4.7
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	0.024 J	0.18 ^{ac}	0.044	0.044 U	0.047 U
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.45 U	1.7 ^{ac}	0.36 J	4.4 U	0.47 U
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.45 U	1.5 ^{ac}	0.43 U	4.4 U	0.47 U

TABLE 3

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

Sample Location		Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾										SB20-05	SB21-05	SB21-05	SB21-05	SB21-05
Sample Identification		Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	SO-17360-121205-DCR-611	SO-17360-121205-DCR-602	SO-17360-121205-DCR-603	SO-17360-121205-DCR-604	SO-17360-121205-DCR-605
Sample Date		Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005
Sample Depth		Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS
Sample Type		a	b	c	d	e	f	g	h	i	j					
Units																
PNAs																
2-Methylnaphthalene	mg/kg		170	ID	5500	ID	ID	ID	ID	ID	26000	5.7 U	0.13 J	11 U	0.078 J	0.35 U
Acenaphthene	mg/kg		880	4.4	970	350000	97000	97000	97000	6200000	130000	5.7 U	0.18 J	1.9 J	0.18 J	0.043 J
Acenaphthylene	mg/kg		17	ID	440	3000	2700	2700	2700	1000000	5200	5.7 U	0.026 J	11 U	0.017 J	0.35 U
Anthracene	mg/kg		41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	5.7 U	0.57 J	5.2 J	0.54	0.12 J
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	5.7 U	2.1 J	17	1.9	0.43
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	5.7 U	2 J	17 ^f	1.7	0.32 J
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	80	5.7 U	3 J	24	3	0.52
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	5.7 U	1.3 J	12	1.3	0.25 J
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	5.7 U	0.82 J	8.9 J	1	0.12 J
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	5.7 U	2.6 J	21	2.6	0.49
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	5.7 U	0.43 J	3.4 J	0.49	0.35 U
Fluoranthene	mg/kg		730	5.5	730	1000000	890000	880000	880000	4100000	130000	5.7 U	3.1 J	37 ^c	3.2	0.81
Fluorene	mg/kg		890	5.3	890	1000000	150000	150000	150000	4100000	87000	5.7 U	0.26 J	2.2 J	0.23 J	0.047 J
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	5.7 U	1.1 J	10 J	1.2	0.21 J
Naphthalene	mg/kg		100	0.87	2100	470	350	350	350	88000	52000	5.7 U	0.092 J	11 U	0.27 J	0.35 U
Phenanthrene	mg/kg		160	5.3	1100	5100	190	190	190	2900	5200	5.7 U	2.2 J	23 ^c	2.4	0.63
Pyrene	mg/kg		480	ID	480	1000000	780000	780000	780000	2900000	84000	5.7 U	2.6 J	29	2.5	0.64
Metals																
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	0.73	5.3	2.6	23.7 ^{ab}	5.8
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	4.7	66.4	81.3	472 ^{ac}	175
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.086 U	0.56	0.41	7.8 ^{abc}	2.5
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	5.9	24.5 ^{ac}	21.4 ^{ac}	2800 ^{abc}	768 ^{abc}
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900		39.6	235	5410 ^{abcj}	371
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	0.043 U	0.033 J	0.028 J	0.015 J	0.024 J
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.43 U	0.48 ^{ac}	0.43 U	4.5 U	0.77 ^{ac}
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.43 U	0.43 U	0.43 U	15.3 ^{abc}	5.2 ^{ac}

TABLE 3

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

Sample Location	Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾										SB21-05	SB22-05	SB22-05	SB22-05	SB22-05	
Sample Identification	Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	SO-17360-121205-DCR-606	SO-17360-121205-DCR-597	SO-17360-121205-DCR-598	SO-17360-121205-DCR-599	SO-17360-121205-DCR-600	
Sample Date	Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005	
Sample Depth	Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	8-10 ft BGS	0-2 ft BGS	2-4 ft BGS	4-6 ft BGS	6-8 ft BGS	
Sample Type	a	b	c	d	e	f	g	h	i	j						
Units																
PNAs																
2-Methylnaphthalene	mg/kg	170	ID	5500	ID	ID	ID	ID	ID	26000	0.29 U	0.086 J	0.079 J	1.4 U	1.4 U	
Acenaphthene	mg/kg	880	4.4	970	350000	97000	97000	97000	6200000	130000	0.29 U	0.28 U	0.3 U	1.4 U	1.4 U	
Acenaphthylene	mg/kg	17	ID	440	3000	2700	2700	2700	1000000	5200	0.29 U	0.01 J	0.3 U	1.4 U	1.4 U	
Anthracene	mg/kg	41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	0.29 U	0.0099 J	0.0098 J	1.4 U	1.4 U	
Benzo(a)anthracene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.012 J	0.047 J	0.047 J	1.4 U	1.4 U	
Benzo(a)pyrene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	0.012 J	0.049 J	0.045 J	1.4 U	1.4 U	
Benzo(b)fluoranthene	mg/kg	NLL	NLL	NLL	ID	ID	ID	ID	ID	80	0.015 J	0.087 J	0.081 J	1.4 U	1.4 U	
Benzo(g,h,i)perylene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	0.29 U	0.046 J	0.045 J	1.4 U	1.4 U	
Benzo(k)fluoranthene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	0.29 U	0.022 J	0.022 J	1.4 U	1.4 U	
Chrysene	mg/kg	NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	0.013 J	0.08 J	0.079 J	1.4 U	1.4 U	
Dibenz(a,h)anthracene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	0.29 U	0.013 J	0.013 J	1.4 U	1.4 U	
Fluoranthene	mg/kg	730	5.5	730	1000000	890000	880000	880000	4100000	130000	0.024 J	0.078 J	0.082 J	1.4 U	1.4 U	
Fluorene	mg/kg	890	5.3	890	1000000	150000	150000	150000	4100000	87000	0.29 U	0.28 U	0.3 U	1.4 U	1.4 U	
Indeno(1,2,3-cd)pyrene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	0.033 J	0.032 J	1.4 U	1.4 U	
Naphthalene	mg/kg	100	0.87	2100	470	350	350	350	88000	52000	0.29 U	0.042 J	0.036 J	1.4 U	1.4 U	
Phenanthrene	mg/kg	160	5.3	1100	5100	190	190	190	2900	5200	0.02 J	0.1 J	0.1 J	1.4 U	1.4 U	
Pyrene	mg/kg	480	ID	480	1000000	780000	780000	780000	2900000	84000	0.019 J	0.065 J	0.067 J	1.4 U	1.4 U	
Metals																
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	1.2	2.9	3.2	0.72	1.8
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	14.5	88.0	64.8	8.1	9.4
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.087 U	0.58	0.37	0.086 U	0.087 U
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	8.4	15.1	13.2	3.9	9.2
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	4.0	24.8	17.5	2.9	3.0
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	8800	580	0.043 U	0.043 U	0.046 U	0.043 U	0.044 U	
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.43 U	0.43 U	0.46 U	0.43 U	0.44 U
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.43 U	0.43 U	0.46 U	0.43 U	0.44 U

TABLE 3

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

Sample Location		Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾										SB22-05		SB23-05		SB23-05		SB23-05		SB24-05	
Sample Identification		Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	SO-17360-121205-DCR-601	SO-17360-121205-DCR-594	SO-17360-121205-DCR-595	SO-17360-121205-DCR-596	SO-17360-121205-DCR-591					
Sample Date		Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	12/12/2005	12/12/2005	12/12/2005	12/12/2005	12/12/2005					
Sample Depth		Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	8-10 ft BGS	0-2 ft BGS	4-6 ft BGS	8-10 ft BGS	0-2 ft BGS					
Sample Type		a	b	c	d	e	f	g	h	i	j										
		Units																			
PNAs																					
2-Methylnaphthalene	mg/kg		170	ID	5500	ID	ID	ID	ID	ID	26000	0.29 U	0.025 J	0.28 U		0.0082 J					
Acenaphthene	mg/kg		880	4.4	970	350000	97000	97000	97000	6200000	130000	0.29 U	0.28 U	0.28 U	0.28 U	0.012 J					
Acenaphthylene	mg/kg		17	ID	440	3000	2700	2700	2700	1000000	5200	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U					
Anthracene	mg/kg		41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	0.29 U	0.28 U	0.28 U	0.28 U	0.035 J					
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	0.021 J	0.28 U	0.28 U	0.12 J					
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	0.29 U	0.025 J	0.28 U	0.28 U	0.12 J					
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	80	0.29 U	0.04 J	0.28 U	0.28 U	0.17 J					
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	0.29 U	0.02 J	0.28 U	0.28 U	0.09 J					
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	0.29 U	0.015 J	0.28 U	0.28 U	0.051 J					
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	0.29 U	0.036 J	0.28 U	0.28 U	0.13 J					
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	0.29 U	0.28 U	0.28 U	0.28 U	0.022 J					
Fluoranthene	mg/kg		730	5.5	730	1000000	890000	880000	880000	4100000	130000	0.29 U	0.04 J	0.28 U	0.28 U	0.28					
Fluorene	mg/kg		890	5.3	890	1000000	150000	150000	150000	4100000	87000	0.29 U	0.28 U	0.28 U	0.28 U	0.0094 J					
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	0.015 J	0.28 U	0.28 U	0.077 J					
Naphthalene	mg/kg		100	0.87	2100	470	350	350	350	88000	52000	0.29 U	0.013 J	0.28 U	0.28 U	0.28 U					
Phenanthrene	mg/kg		160	5.3	1100	5100	190	190	190	2900	5200	0.29 U	0.037 J	0.28 U	0.28 U	0.12 J					
Pyrene	mg/kg		480	ID	480	1000000	780000	780000	780000	2900000	84000	0.29 U	0.035 J	0.28 U	0.28 U	0.21 J					
Metals																					
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	0.84	1.5	1.0	0.42 U	1.9					
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	7.5	33.6	5.7	3.2	13.7					
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.037 J	0.13	0.085 U	0.084 U	0.069 J					
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	6.2	6.3	5.8	3.0	7.4					
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	2.6	7.6	2.0	1.2	5.2					
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	0.044 U	0.042 U	0.042 U	0.042 U	0.042 U					
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.44 U	0.42 U	0.42 U	0.42 U	0.42 U					
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.44 U	0.42 U	0.42 U	0.42 U	0.42 U					

TABLE 3

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

Sample Location		<i>Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾</i>										<i>SB24-05</i>	<i>SB24-05</i>	<i>SB25-05</i>	<i>SB25-05</i>	<i>SB25-05</i>
Sample Identification		Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	<i>SO-17360-121205-DCR-592</i>	<i>SO-17360-121205-DCR-593</i>	<i>SO-17360-121205-DCR-585</i>	<i>SO-17360-121205-DCR-586</i>	<i>SO-17360-121205-DCR-587</i>
Sample Date		Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>	<i>12/12/2005</i>
Sample Depth		Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	<i>4-6 ft BGS</i>	<i>8-10 ft BGS</i>	<i>0-2 ft BGS</i>	<i>2-4 ft BGS</i>	<i>4-6 ft BGS</i>
Sample Type		a	b	c	d	e	f	g	h	i	j					
<i>Units</i>																
<i>PNA</i> s																
2-Methylnaphthalene	mg/kg		170	ID	5500	ID	ID	ID	ID	ID	26000	0.29 U	0.28 U	0.09 J	0.035 J	0.28 U
Acenaphthene	mg/kg		880	4.4	970	350000	97000	97000	97000	6200000	130000	0.29 U	0.28 U	1.1 J	0.3 U	0.28 U
Acenaphthylene	mg/kg		17	ID	440	3000	2700	2700	2700	1000000	5200	0.29 U	0.28 U	3.4 U	0.3 U	0.28 U
Anthracene	mg/kg		41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	0.29 U	0.28 U	2.5 J	0.052 J	0.0082 J
Benzo(a)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	0.28 U	6.5	0.44	0.031 J
Benzo(a)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	0.29 U	0.28 U	6	0.51	0.025 J
Benzo(b)fluoranthene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	80	0.29 U	0.28 U	8.6	1.2	0.045 J
Benzo(g,h,i)perylene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	0.29 U	0.28 U	3.9	0.86	0.021 J
Benzo(k)fluoranthene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	0.29 U	0.28 U	3.2 J	0.33	0.015 J
Chrysene	mg/kg		NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	0.29 U	0.28 U	7.5	0.69	0.037 J
Dibenz(a,h)anthracene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	0.29 U	0.28 U	1.2 J	0.3	0.28 U
Fluoranthene	mg/kg		730	5.5	730	1000000	890000	880000	880000	4100000	130000	0.29 U	0.28 U	16 ^c		0.79
Fluorene	mg/kg		890	5.3	890	1000000	150000	150000	150000	4100000	87000	0.29 U	0.28 U	0.94 J	0.022 J	0.28 U
Indeno(1,2,3-cd)pyrene	mg/kg		NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.29 U	0.28 U	3.7	0.63	0.017 J
Naphthalene	mg/kg		100	0.87	2100	470	350	350	350	88000	52000	0.29 U	0.28 U	0.17 J	0.089 J	0.28 U
Phenanthrene	mg/kg		160	5.3	1100	5100	190	190	190	2900	5200	0.29 U	0.28 U	10 ^c		0.68
Pyrene	mg/kg		480	ID	480	1000000	780000	780000	780000	2900000	84000	0.29 U	0.28 U	12	0.53	0.047 J
<i>Metals</i>																
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	0.90	0.53	0.64	29.4 ^{ab}	
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	6.5	4.6	19.7	559 ^{ac}	
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.086 U	0.085 U	0.051 J	38.1 ^{abc}	
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	4.8	3.3	14.4	4970 ^{abc}	
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	1.6	0.99	50.9	3710 ^{abcj}	
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	0.043 U	0.043 U	0.041 U	0.045 U	0.043 U
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.43 U	0.43 U	0.41 U	9.1 U	0.43 U
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.43 U	0.43 U	0.41 U	31.1 ^{abc}	

TABLE 3

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

Sample Location	Michigan Act 451, Part 201 Industrial and Commercial II, III, IV ⁽¹⁾										SB25-05	SB25-05	SB25-05	
Sample Identification	Statewide	Industrial and	Groundwater	Groundwater	Soil Volatilization	Infinite Source	Finite VSIC for	Finite VSIC for	Particulate	Direct Contact	SO-17360-121205-DCR-588	SO-17360-121205-DCR-589	SO-17360-121205-DCR-590	
Sample Date	Default	Commercial	Surface Water	Contact	to Indoor Air	Volatile Soil	5 Meter Source	2 Meter Source	Soil Inhalation	Industrial and	12/12/2005	12/12/2005	12/12/2005	
Sample Depth	Background	Drinking Water	Interface Protection	Protection	Inhalation	Inhalation	Thickness	Thickness		Commercial II	6-8 ft BGS	6-8 ft BGS	8-10 ft BGS	
Sample Type	a	b	c	d	e	f	g	h	i	j		Duplicate		
Units														
PNAs														
2-Methylnaphthalene	mg/kg	170	ID	5500	ID	ID	ID	ID	ID	26000	0.28 U	0.28 U	0.28 U	
Acenaphthene	mg/kg	880	4.4	970	350000	97000	97000	97000	6200000	130000	0.28 U	0.28 U	0.28 U	
Acenaphthylene	mg/kg	17	ID	440	3000	2700	2700	2700	1000000	5200	0.28 U	0.28 U	0.28 U	
Anthracene	mg/kg	41	ID	41	1000000	1600000	1600000	1600000	29000000	730000	0.28 U	0.0076 J	0.28 U	
Benzo(a)anthracene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.021 J	0.032 J	0.013 J	
Benzo(a)pyrene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	1900	8	0.015 J	0.026 J	0.0099 J	
Benzo(b)fluoranthene	mg/kg	NLL	NLL	NLL	ID	ID	ID	ID	ID	80	0.026 J	0.038 J	0.015 J	
Benzo(g,h,i)perylene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	350000	7000	0.011 J	0.017 J	0.0072 J	
Benzo(k)fluoranthene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	800	0.0092 J	0.018 J	0.28 U	
Chrysene	mg/kg	NLL	NLL	NLL	ID	ID	ID	ID	ID	8000	0.024 J	0.033 J	0.014 J	
Dibenz(a,h)anthracene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8	0.28 U	0.28 U	0.28 U	
Fluoranthene	mg/kg	730	5.5	730	1000000	890000	880000	880000	4100000	130000	0.046 J	0.068 J	0.026 J	
Fluorene	mg/kg	890	5.3	890	1000000	150000	150000	150000	4100000	87000	0.28 U	0.28 U	0.28 U	
Indeno(1,2,3-cd)pyrene	mg/kg	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80	0.0095 J	0.016 J	0.28 U	
Naphthalene	mg/kg	100	0.87	2100	470	350	350	350	88000	52000	0.28 U	0.28 U	0.28 U	
Phenanthrene	mg/kg	160	5.3	1100	5100	190	190	190	2900	5200	0.033 J	0.044 J	0.016 J	
Pyrene	mg/kg	480	ID	480	1000000	780000	780000	780000	2900000	84000	0.034 J	0.047 J	0.019 J	
Metals														
Arsenic	mg/kg	5.8	4.6	70	2000	NLV	NLV	NLV	NLV	910	37	1.6	1.2	0.80
Barium	mg/kg	75	1300	440	1000000	NLV	NLV	NLV	NLV	150000	130000	6.4	4.3	6.6
Cadmium	mg/kg	1.2	6	3	230000	NLV	NLV	NLV	NLV	2200	2100	0.057 J	0.084 U	0.037 J
Chromium Total	mg/kg	18NA	30	3.3	140000	NLV	NLV	NLV	NLV	240	9200	12.0	11.1	9.3
Lead	mg/kg	21	700	2500	ID	NLV	NLV	NLV	NLV	44000	900	10.3	4.6	5.6
Mercury	mg/kg	0.13	1.7	0.1	47	89	62	62	62	8800	580	0.042 U	0.017 J	0.020 J
Selenium	mg/kg	0.41	4	0.4	78000	NLV	NLV	NLV	NLV	59000	9600	0.42 U	0.42 U	0.43 U
Silver	mg/kg	1	13	0.1	200000	NLV	NLV	NLV	NLV	2900	9000	0.42 U	0.42 U	0.43 U

ATTACHMENT A

WASTE CHARACTERIZATION ANALYTICAL DATA



Analytical Laboratory Report

Revised Report

Report ID: S20002.01(02)
Generated on 12/16/2004

Report to

Attention: Tony Feliciano
GM MFD Grand Rapids
300 36th St. SW
Grand Rapids, MI 49548

Phone: 616-246-2992 FAX: 616-246-2896

Report produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S20002.01
Project: Containment Area Soil
Submitted Date/Time: 11/30/2004 15:00
Sampled by: TG
P.O. #: WFB00013

Report Notes

Results relate only to items tested.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
"Not detected" indicates that parameter was not found at a level equal to or greater than the RDL.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories.

A handwritten signature in cursive script that reads "Violetta F. Murshak".

Violetta F. Murshak
Laboratory Director



Analytical Laboratory Report

Revised Report

Lab Sample ID: S20002.01

Sample Tag: Containmnet Area Soil

Collected Date/Time: 11/29/2004

Matrix: Soil

COC Reference: 022999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	32 oz Glass	None	Yes	4	3

Analysis	Results	Units	RDL	Method	Run Date/Time	Analyst	Limits	Flags

Extraction / Prep.

Mercury Digestion	Completed			7470A	12/03/04 10:00	JRT		
Metal Digestion	Completed			3050B	12/09/04 14:00	SLS		
Metal Digestion	Completed			3015A	12/02/04 15:00	SLS		
PNA Extraction	Completed			3550B	12/09/04 17:14	PL		
Oil & Grease n-Hexane Extract.	268	mg/kg	10	1664A	12/06/04 17:17	TAS		

TCLP Extraction

% Solids	100			1311	12/02/04 13:00	LBR		
Sample Used g	100			1311	12/02/04 13:00	LBR		
Final Volume mL	2,000			1311	12/02/04 13:00	LBR		
Final Extract pH	5.77			1311	12/02/04 13:00	LBR		

Inorganics

Total Solids	91	%	1	160.3	12/09/04 13:30	PCS		

Metals

Arsenic, TCLP	Not detected	mg/L	0.02	200.8	12/02/04 17:12	SLS	5.0	
Barium, TCLP	1.89	mg/L	0.05	200.8	12/02/04 17:12	SLS	100.0	
Cadmium, TCLP	0.351	mg/L	0.005	200.8	12/02/04 17:12	SLS	1.0	
Chromium, TCLP	Not detected	mg/L	0.05	200.8	12/02/04 17:12	SLS	5.0	
Copper, TCLP	0.85	mg/L	0.05	200.8	12/02/04 17:12	SLS		
Lead, TCLP	12.5	mg/L	0.03	200.8	12/02/04 17:12	SLS	5.0	!
Lead, TCLP (Replicate 01)	12.8	mg/L	0.003	200.8	12/09/04 15:27	SLS	5.0	!
Mercury, TCLP	Not detected	mg/L	0.0002	245.1M	12/03/04 14:27	JRT	0.2	
Selenium, TCLP	Not detected	mg/L	0.05	200.8	12/02/04 17:12	SLS	1.0	
Silver, TCLP	Not detected	mg/L	0.005	200.8	12/02/04 17:12	SLS	5.0	
Zinc, TCLP	5.34	mg/L	0.05	200.8	12/02/04 17:12	SLS		
Lead	146	mg/kg	0.50	6020	12/09/04 15:41	SLS		

Organics

Gasoline	Not detected	ug/kg	5,000	Vol-8015M	12/12/04 22:55	JGH		

TPH DRO (C10-C32)

Diesel	10,000	ug/kg	10,000	SV-8015M	12/10/04 21:35	ARH		X
TPH-Other	20,000	ug/kg		SV-8015M	12/10/04 21:35	ARH		

!-Result is outside of regulatory limits

X-Elevated reporting limit due to matrix interference

ATTACHMENT B

STRATIGRAPHIC SOIL BORING LOGS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB19-05

PROJECT NUMBER: 17360-10

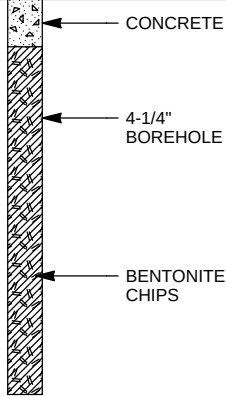
DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	674.51						
	CONCRETE							
2	SM-SANDS, with silts, trace fine gravels, loose, fine to coarse grained, poorly graded, dark brown, moist - medium brown at 2.0ft BGS - rust/black discoloration to soils at 3.5ft BGS - orange at 4.0ft BGS - medium brown, trace orange streaking at 5.8ft BGS	673.31						
10	END OF BOREHOLE @ 10.0ft BGS	664.51						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA CORP.GDT 3/9/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB20-05

PROJECT NUMBER: 17360-10

DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	673.75						
	CONCRETE							
2	SM-SANDS, with silts, trace fine gravels, loose, fine to coarse grained, poorly graded, dark brown to black, moist	672.55						
4	- trace concrete debris at 2.5ft BGS - rust brown and red at 4.3ft BGS							
6	- dark brown to medium brown at 6.5ft BGS							
8	- fine to medium grained, medium brown at 8.0ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	663.75						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA CORP.GDT 3/9/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB21-05

PROJECT NUMBER: 17360-10

DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	673.82						
	CONCRETE							
2	SM-SANDS, with silts, trace fine gravels, loose, fine to coarse grained, poorly graded, dark brown to black, moist	672.62						
4	- light brown at 3.5ft BGS - dark brown to black at 4.0ft BGS							
6								
8								
10	- trace coarse grained, fine to medium grained, medium brown at 8.5ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	663.82						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA_CORP.GDT 3/9/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB22-05

PROJECT NUMBER: 17360-10

DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	673.75						
	CONCRETE							
2	SM-SANDS, with silts, trace medium grained to fine grained, loose, fine grained, poorly graded, dark brown, moist	672.55						
4	- fine to coarse grained, dark brown to black at 3.5ft BGS							
6	- trace medium to coarse grained, fine grained, light brown at 4.5ft BGS							
8	- fine to coarse grained, medium brown, trace orange streaking at 6.5ft BGS							
10	- light brown to beige at 8.0ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	663.75						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA_CORP.GDT 3/9/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB23-05

PROJECT NUMBER: 17360-10

DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	673.95						
	CONCRETE							
2	SM-SANDS, with silts, trace medium grained to fine gravels, loose, fine grained, poorly graded, dark brown, moist	672.75						
4	- orange brown to dark brown at 2.5ft BGS							
6	- light brown, some orange streaking at 6.0ft BGS							
8								
10	END OF BOREHOLE @ 10.0ft BGS	663.95						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA_CORP.GDT 3/9/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB24-05

PROJECT NUMBER: 17360-10

DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	675.36						
	CONCRETE							
2	SM-SANDS, with silts, loose, fine grained, medium grained to fine gravels, poorly graded, brown, moist	674.16						
4	- fine to medium grained, trace coarse grained, orange brown at 4.5ft BGS							
6	- light brown at 6.0ft BGS							
8								
10	END OF BOREHOLE @ 10.0ft BGS	665.36						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA CORP.GDT 3/9/06



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

HOLE DESIGNATION: SB25-05

PROJECT NUMBER: 17360-10

DATE COMPLETED: December 12, 2005

CLIENT: GENERAL MOTORS

DRILLING METHOD: 4-1/4" HSA

LOCATION: GRAND RAPIDS, MI

FIELD PERSONNEL: D. RIVERS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft AMSL	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	674.41						
	CONCRETE							
2	SM-SANDS, with silts, trace medium sands to fine gravels, compact, fine grained, poorly graded, light brown, moist, - rust colored at 3.0ft BGS - brown and red at 3.3ft BGS - trace medium grained, trace coarse grained, orange brown at 4.3ft BGS	673.21						
4								
6								
8	- light brown at 8.5ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	664.41						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

OVERBURDEN LOG 17360-10.GPJ CRA_CORP.GDT 3/9/06

ATTACHMENT C

LABORATORY ANALYTICAL DATA

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STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 17360-10

GM-GRAND RAPIDS SSOW# E030002

Lot #: A5L140222

SDG #: 5L14222

Paul Wiseman (PM)

Conestoga Rovers & Assoc., Inc
14496 Sheldon Rd Suite 200
Plymouth, MI 48170

SEVERN TRENT LABORATORIES, INC.

Denise D. Heckler *DA*
Denise D. Heckler
Project Manager

December 29, 2005

CASE NARRATIVE

CASE NARRATIVE

5L14222

The following report contains the analytical results for thirty-three solid samples submitted to STL North Canton by Conestoga-Rovers & Associates, Inc. from the GM-Grand Rapids SSOW# E030002 Site, project number 17360-10. The samples were received December 14, 2005, according to documented sample acceptance procedures.

This SDG consists of (1) laboratory ID's: A5L140222.

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

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

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

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

If you have any questions, please call the Project Manager, Denise D. Heckler, at 734-205-2535.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.3°C.

CASE NARRATIVE (continued)

GC/MS SEMIVOLATILES

Result concentration exceeds the calibration range. Refer to the sample report pages for the affected compound(s) flagged with "E".

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Sample(s) SO-17360-121205-DCR-602 and SO-17360-121205-DCR-615 had up to one surrogate recovery per fraction outside acceptance limits. However, since the recovery was greater than 10% and all associated QC met criteria, no corrective action was taken.

Two analyses were used to report sample(s) SO-17360-121205-DCR-602 and SO-17360-121205-DCR-604 due to high analyte concentrations.

Sample(s) SO-17360-121205-DCR-599, SO-17360-121205-DCR-600, SO-17360-121205-DCR-608, SO-17360-121205-DCR-609, SO-17360-121205-DCR-610, SO-17360-121205-DCR-611, and SO-17360-121205-DCR-614 had elevated reporting limits due to matrix interference.

Sample(s) SO-17360-121205-DCR-590 was double surrogated. Adjustments were made accordingly.

Due to inherent matrix effects, sample(s) SO-17360-121205-DCR-608 could not be concentrated to the final method required volume. Since this was an effective dilution, the final reporting limits were adjusted proportionately.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) had elevated reporting limits due to matrix interferences. Refer to the sample report pages for the affected analyte(s) flagged with "G".

CASE NARRATIVE (continued)

METALS (continued)

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

No ICP Trace Form IX was provided for batch(es) 5349026. The serial dilution was performed on a different sample from the same QC batch(es).

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

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

QC BATCH

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

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

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

METHOD BLANK

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

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

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals</u>
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

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

SURROGATE COMPOUNDS

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

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

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

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)



EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-585 12/12/05 10:35 001				
Arsenic	0.64	0.41	mg/kg	SW846 6010B
Barium	19.7	0.81	mg/kg	SW846 6010B
Cadmium	0.051 B	0.081	mg/kg	SW846 6010B
Chromium	14.4	0.41	mg/kg	SW846 6010B
Lead	50.9	0.24	mg/kg	SW846 6010B
Acenaphthene	1100 J	3400	ug/kg	SW846 8270C
Anthracene	2500 J	3400	ug/kg	SW846 8270C
Benzo(a)anthracene	6500	3400	ug/kg	SW846 8270C
Benzo(a)pyrene	6000	3400	ug/kg	SW846 8270C
Benzo(b)fluoranthene	8600	3400	ug/kg	SW846 8270C
Benzo(ghi)perylene	3900	3400	ug/kg	SW846 8270C
Benzo(k)fluoranthene	3200 J	3400	ug/kg	SW846 8270C
Chrysene	7500	3400	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	1200 J	3400	ug/kg	SW846 8270C
Fluoranthene	16000	3400	ug/kg	SW846 8270C
Fluorene	940 J	3400	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	3700	3400	ug/kg	SW846 8270C
2-Methylnaphthalene	90 J	3400	ug/kg	SW846 8270C
Naphthalene	170 J	3400	ug/kg	SW846 8270C
Phenanthrene	10000	3400	ug/kg	SW846 8270C
Pyrene	12000	3400	ug/kg	SW846 8270C
Percent Solids	98.5	10.0	%	MCAWW 160.3 MOD

S0-17360-121205-DCR-586 12/12/05 10:40 002

Silver	31.1	9.1	mg/kg	SW846 6010B
Arsenic	29.4	9.1	mg/kg	SW846 6010B
Barium	559	0.91	mg/kg	SW846 6010B
Cadmium	38.1	1.8	mg/kg	SW846 6010B
Chromium	4970	9.1	mg/kg	SW846 6010B
Lead	3710	5.4	mg/kg	SW846 6010B
Anthracene	52 J	300	ug/kg	SW846 8270C
Benzo(a)anthracene	440	300	ug/kg	SW846 8270C
Benzo(a)pyrene	510	300	ug/kg	SW846 8270C
Benzo(b)fluoranthene	1200	300	ug/kg	SW846 8270C
Benzo(ghi)perylene	860	300	ug/kg	SW846 8270C
Benzo(k)fluoranthene	330	300	ug/kg	SW846 8270C
Chrysene	690	300	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	300	300	ug/kg	SW846 8270C
Fluoranthene	790	300	ug/kg	SW846 8270C
Fluorene	22 J	300	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	630	300	ug/kg	SW846 8270C
2-Methylnaphthalene	35 J	300	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-586 12/12/05 10:40 002				
Naphthalene	89 J	300	ug/kg	SW846 8270C
Phenanthrene	680	300	ug/kg	SW846 8270C
Pyrene	530	300	ug/kg	SW846 8270C
Percent Solids	88.1	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-587 12/12/05 10:45 003				
Arsenic	1.1	0.43	mg/kg	SW846 6010B
Barium	14.8	0.86	mg/kg	SW846 6010B
Cadmium	0.10	0.086	mg/kg	SW846 6010B
Chromium	46.3	0.43	mg/kg	SW846 6010B
Lead	18.5	0.26	mg/kg	SW846 6010B
Anthracene	8.2 J	280	ug/kg	SW846 8270C
Benzo(a)anthracene	31 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	25 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	45 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	21 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	15 J	280	ug/kg	SW846 8270C
Chrysene	37 J	280	ug/kg	SW846 8270C
Fluoranthene	67 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	17 J	280	ug/kg	SW846 8270C
Phenanthrene	41 J	280	ug/kg	SW846 8270C
Pyrene	47 J	280	ug/kg	SW846 8270C
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-588 12/12/05 10:47 004				
Arsenic	1.6	0.42	mg/kg	SW846 6010B
Barium	6.4	0.85	mg/kg	SW846 6010B
Cadmium	0.057 B	0.085	mg/kg	SW846 6010B
Chromium	12.0	0.42	mg/kg	SW846 6010B
Lead	10.3	0.25	mg/kg	SW846 6010B
Benzo(a)anthracene	21 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	15 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	26 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	11 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	9.2 J	280	ug/kg	SW846 8270C
Chrysene	24 J	280	ug/kg	SW846 8270C
Fluoranthene	46 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	9.5 J	280	ug/kg	SW846 8270C
Phenanthrene	33 J	280	ug/kg	SW846 8270C
Pyrene	34 J	280	ug/kg	SW846 8270C
Percent Solids	94.5	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-589 12/12/05 10:50 005				
Mercury	0.017 B	0.042	mg/kg	SW846 7471A
Arsenic	1.2	0.42	mg/kg	SW846 6010B
Barium	4.3	0.84	mg/kg	SW846 6010B
Chromium	11.1	0.42	mg/kg	SW846 6010B
Lead	4.6	0.25	mg/kg	SW846 6010B
Anthracene	7.6 J	280	ug/kg	SW846 8270C
Benzo(a)anthracene	32 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	26 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	38 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	17 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	18 J	280	ug/kg	SW846 8270C
Chrysene	33 J	280	ug/kg	SW846 8270C
Fluoranthene	68 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	16 J	280	ug/kg	SW846 8270C
Phenanthrene	44 J	280	ug/kg	SW846 8270C
Pyrene	47 J	280	ug/kg	SW846 8270C
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-590 12/12/05 10:55 006				
Mercury	0.020 B	0.043	mg/kg	SW846 7471A
Arsenic	0.80	0.43	mg/kg	SW846 6010B
Barium	6.6	0.85	mg/kg	SW846 6010B
Cadmium	0.037 B	0.085	mg/kg	SW846 6010B
Chromium	9.3	0.43	mg/kg	SW846 6010B
Lead	5.6	0.26	mg/kg	SW846 6010B
Benzo(a)anthracene	13 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	9.9 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	15 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	7.2 J	280	ug/kg	SW846 8270C
Chrysene	14 J	280	ug/kg	SW846 8270C
Fluoranthene	26 J	280	ug/kg	SW846 8270C
Phenanthrene	16 J	280	ug/kg	SW846 8270C
Pyrene	19 J	280	ug/kg	SW846 8270C
Percent Solids	93.6	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-591 12/12/05 11:35 007				
Arsenic	1.9	0.42	mg/kg	SW846 6010B
Barium	13.7	0.83	mg/kg	SW846 6010B
Cadmium	0.069 B	0.083	mg/kg	SW846 6010B
Chromium	7.4	0.42	mg/kg	SW846 6010B
Lead	5.2	0.25	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-591 12/12/05 11:35 007				
Acenaphthene	12 J	280	ug/kg	SW846 8270C
Anthracene	35 J	280	ug/kg	SW846 8270C
Benzo(a)anthracene	120 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	120 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	170 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	90 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	51 J	280	ug/kg	SW846 8270C
Chrysene	130 J	280	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	22 J	280	ug/kg	SW846 8270C
Fluoranthene	280	280	ug/kg	SW846 8270C
Fluorene	9.4 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	77 J	280	ug/kg	SW846 8270C
2-Methylnaphthalene	8.2 J	280	ug/kg	SW846 8270C
Phenanthrene	120 J	280	ug/kg	SW846 8270C
Pyrene	210 J	280	ug/kg	SW846 8270C
Percent Solids	96.0	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-592 12/12/05 11:40 008				
Arsenic	0.90	0.43	mg/kg	SW846 6010B
Barium	6.5	0.86	mg/kg	SW846 6010B
Chromium	4.8	0.43	mg/kg	SW846 6010B
Lead	1.6	0.26	mg/kg	SW846 6010B
Percent Solids	92.5	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-593 12/12/05 11:50 009				
Arsenic	0.53	0.43	mg/kg	SW846 6010B
Barium	4.6	0.85	mg/kg	SW846 6010B
Chromium	3.3	0.43	mg/kg	SW846 6010B
Lead	0.99	0.26	mg/kg	SW846 6010B
Percent Solids	93.8	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-594 12/12/05 12:20 010				
Arsenic	1.5	0.42	mg/kg	SW846 6010B
Barium	33.6	0.85	mg/kg	SW846 6010B
Cadmium	0.13	0.085	mg/kg	SW846 6010B
Chromium	6.3	0.42	mg/kg	SW846 6010B
Lead	7.6	0.25	mg/kg	SW846 6010B
Benzo(a)anthracene	21 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	25 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	40 J	280	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-594 12/12/05 12:20 010				
Benzo(ghi)perylene	20 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	15 J	280	ug/kg	SW846 8270C
Chrysene	36 J	280	ug/kg	SW846 8270C
Fluoranthene	40 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	15 J	280	ug/kg	SW846 8270C
2-Methylnaphthalene	25 J	280	ug/kg	SW846 8270C
Naphthalene	13 J	280	ug/kg	SW846 8270C
Phenanthrene	37 J	280	ug/kg	SW846 8270C
Pyrene	35 J	280	ug/kg	SW846 8270C
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-595 12/12/05 12:30 011				
Arsenic	1.0	0.42	mg/kg	SW846 6010B
Barium	5.7	0.85	mg/kg	SW846 6010B
Chromium	5.8	0.42	mg/kg	SW846 6010B
Lead	2.0	0.25	mg/kg	SW846 6010B
Percent Solids	94.3	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-596 12/12/05 12:35 012				
Barium	3.2	0.84	mg/kg	SW846 6010B
Chromium	3.0	0.42	mg/kg	SW846 6010B
Lead	1.2	0.25	mg/kg	SW846 6010B
Percent Solids	95.5	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-597 12/12/05 13:30 013				
Arsenic	2.9	0.43	mg/kg	SW846 6010B
Barium	88.0	0.86	mg/kg	SW846 6010B
Cadmium	0.58	0.086	mg/kg	SW846 6010B
Chromium	15.1	0.43	mg/kg	SW846 6010B
Lead	24.8	0.26	mg/kg	SW846 6010B
Acenaphthylene	10 J	280	ug/kg	SW846 8270C
Anthracene	9.9 J	280	ug/kg	SW846 8270C
Benzo(a)anthracene	47 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	49 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	87 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	46 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	22 J	280	ug/kg	SW846 8270C
Chrysene	80 J	280	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	13 J	280	ug/kg	SW846 8270C
Fluoranthene	78 J	280	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-597 12/12/05 13:30 013				
Indeno(1,2,3-cd)pyrene	33 J	280	ug/kg	SW846 8270C
2-Methylnaphthalene	86 J	280	ug/kg	SW846 8270C
Naphthalene	42 J	280	ug/kg	SW846 8270C
Phenanthrene	100 J	280	ug/kg	SW846 8270C
Pyrene	65 J	280	ug/kg	SW846 8270C
Percent Solids	93.0	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-598 12/12/05 13:40 014				
Arsenic	3.2	0.46	mg/kg	SW846 6010B
Barium	64.8	0.91	mg/kg	SW846 6010B
Cadmium	0.37	0.091	mg/kg	SW846 6010B
Chromium	13.2	0.46	mg/kg	SW846 6010B
Lead	17.5	0.27	mg/kg	SW846 6010B
Anthracene	9.8 J	300	ug/kg	SW846 8270C
Benzo(a)anthracene	47 J	300	ug/kg	SW846 8270C
Benzo(a)pyrene	45 J	300	ug/kg	SW846 8270C
Benzo(b)fluoranthene	81 J	300	ug/kg	SW846 8270C
Benzo(ghi)perylene	45 J	300	ug/kg	SW846 8270C
Benzo(k)fluoranthene	22 J	300	ug/kg	SW846 8270C
Chrysene	79 J	300	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	13 J	300	ug/kg	SW846 8270C
Fluoranthene	82 J	300	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	32 J	300	ug/kg	SW846 8270C
2-Methylnaphthalene	79 J	300	ug/kg	SW846 8270C
Naphthalene	36 J	300	ug/kg	SW846 8270C
Phenanthrene	100 J	300	ug/kg	SW846 8270C
Pyrene	67 J	300	ug/kg	SW846 8270C
Percent Solids	87.6	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-599 12/12/05 13:45 015				
Arsenic	0.72	0.43	mg/kg	SW846 6010B
Barium	8.1	0.86	mg/kg	SW846 6010B
Chromium	3.9	0.43	mg/kg	SW846 6010B
Lead	2.9	0.26	mg/kg	SW846 6010B
Percent Solids	93.1	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-600 12/12/05 13:50 016				
Arsenic	1.8	0.44	mg/kg	SW846 6010B
Barium	9.4	0.87	mg/kg	SW846 6010B
Chromium	9.2	0.44	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SO-17360-121205-DCR-600 12/12/05 13:50 016				
Lead	3.0	0.26	mg/kg	SW846 6010B
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD
SO-17360-121205-DCR-601 12/12/05 13:55 017				
Arsenic	0.84	0.44	mg/kg	SW846 6010B
Barium	7.5	0.87	mg/kg	SW846 6010B
Cadmium	0.037 B	0.087	mg/kg	SW846 6010B
Chromium	6.2	0.44	mg/kg	SW846 6010B
Lead	2.6	0.26	mg/kg	SW846 6010B
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD
SO-17360-121205-DCR-602 12/12/05 14:25 018				
Mercury	0.033 B	0.043	mg/kg	SW846 7471A
Arsenic	5.3	0.43	mg/kg	SW846 6010B
Barium	66.4	0.86	mg/kg	SW846 6010B
Cadmium	0.56	0.086	mg/kg	SW846 6010B
Chromium	24.5	0.43	mg/kg	SW846 6010B
Lead	39.6	0.26	mg/kg	SW846 6010B
Selenium	0.48	0.43	mg/kg	SW846 6010B
Acenaphthene	180 J	280	ug/kg	SW846 8270C
Acenaphthene	170 J	710	ug/kg	SW846 8270C
Acenaphthylene	26 J	280	ug/kg	SW846 8270C
Anthracene	570	280	ug/kg	SW846 8270C
Anthracene	530 J	710	ug/kg	SW846 8270C
Benzo(a)anthracene	2100 E	280	ug/kg	SW846 8270C
Benzo(a)anthracene	2100	710	ug/kg	SW846 8270C
Benzo(a)pyrene	1800 E	280	ug/kg	SW846 8270C
Benzo(a)pyrene	2000	710	ug/kg	SW846 8270C
Benzo(b)fluoranthene	2700 E	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	3000	710	ug/kg	SW846 8270C
Benzo(ghi)perylene	1300	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	1300	710	ug/kg	SW846 8270C
Benzo(k)fluoranthene	820	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	950	710	ug/kg	SW846 8270C
Chrysene	2500 E	280	ug/kg	SW846 8270C
Chrysene	2600	710	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	430	280	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	450 J	710	ug/kg	SW846 8270C
Fluoranthene	2900 E	280	ug/kg	SW846 8270C
Fluoranthene	3100	710	ug/kg	SW846 8270C
Fluorene	260 J	280	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-602 12/12/05 14:25 018				
Fluorene	250 J	710	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	1100	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	1100	710	ug/kg	SW846 8270C
2-Methylnaphthalene	130 J	280	ug/kg	SW846 8270C
2-Methylnaphthalene	110 J	710	ug/kg	SW846 8270C
Naphthalene	92 J	280	ug/kg	SW846 8270C
Naphthalene	83 J	710	ug/kg	SW846 8270C
Phenanthrene	2000 E	280	ug/kg	SW846 8270C
Phenanthrene	2200	710	ug/kg	SW846 8270C
Pyrene	2600 E	280	ug/kg	SW846 8270C
Pyrene	2600	710	ug/kg	SW846 8270C
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-603 12/12/05 14:30 019				
Mercury	0.028 B	0.043	mg/kg	SW846 7471A
Arsenic	2.6	0.43	mg/kg	SW846 6010B
Barium	81.3	0.86	mg/kg	SW846 6010B
Cadmium	0.41	0.086	mg/kg	SW846 6010B
Chromium	21.4	0.43	mg/kg	SW846 6010B
Lead	235	0.26	mg/kg	SW846 6010B
Acenaphthene	1900 J	11000	ug/kg	SW846 8270C
Anthracene	5200 J	11000	ug/kg	SW846 8270C
Benzo(a)anthracene	17000	11000	ug/kg	SW846 8270C
Benzo(a)pyrene	17000	11000	ug/kg	SW846 8270C
Benzo(b)fluoranthene	24000	11000	ug/kg	SW846 8270C
Benzo(ghi)perylene	12000	11000	ug/kg	SW846 8270C
Benzo(k)fluoranthene	8900 J	11000	ug/kg	SW846 8270C
Chrysene	21000	11000	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	3400 J	11000	ug/kg	SW846 8270C
Fluoranthene	37000	11000	ug/kg	SW846 8270C
Fluorene	2200 J	11000	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	10000 J	11000	ug/kg	SW846 8270C
Phenanthrene	23000	11000	ug/kg	SW846 8270C
Pyrene	29000	11000	ug/kg	SW846 8270C
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-604 12/12/05 14:35 020				
Mercury	0.015 B	0.045	mg/kg	SW846 7471A
Silver	15.3	4.5	mg/kg	SW846 6010B
Arsenic	23.7	4.5	mg/kg	SW846 6010B
Barium	472	0.90	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-604 12/12/05 14:35 020				
Cadmium	7.8	0.90	mg/kg	SW846 6010B
Chromium	2800	0.45	mg/kg	SW846 6010B
Lead	5410	2.7	mg/kg	SW846 6010B
Acenaphthene	180 J	300	ug/kg	SW846 8270C
Acenaphthene	160 J	740	ug/kg	SW846 8270C
Acenaphthylene	17 J	300	ug/kg	SW846 8270C
Anthracene	540	300	ug/kg	SW846 8270C
Anthracene	480 J	740	ug/kg	SW846 8270C
Benzo(a)anthracene	2100 E	300	ug/kg	SW846 8270C
Benzo(a)anthracene	1900	740	ug/kg	SW846 8270C
Benzo(a)pyrene	1700	300	ug/kg	SW846 8270C
Benzo(a)pyrene	1700	740	ug/kg	SW846 8270C
Benzo(b)fluoranthene	3000 E	300	ug/kg	SW846 8270C
Benzo(b)fluoranthene	3000	740	ug/kg	SW846 8270C
Benzo(ghi)perylene	1300	300	ug/kg	SW846 8270C
Benzo(ghi)perylene	1300	740	ug/kg	SW846 8270C
Benzo(k)fluoranthene	1000	300	ug/kg	SW846 8270C
Benzo(k)fluoranthene	950	740	ug/kg	SW846 8270C
Chrysene	2800 E	300	ug/kg	SW846 8270C
Chrysene	2600	740	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	490	300	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	470 J	740	ug/kg	SW846 8270C
Fluoranthene	3100 E	300	ug/kg	SW846 8270C
Fluoranthene	3200	740	ug/kg	SW846 8270C
Fluorene	230 J	300	ug/kg	SW846 8270C
Fluorene	210 J	740	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	1200	300	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	1100	740	ug/kg	SW846 8270C
2-Methylnaphthalene	78 J	300	ug/kg	SW846 8270C
2-Methylnaphthalene	70 J	740	ug/kg	SW846 8270C
Naphthalene	270 J	300	ug/kg	SW846 8270C
Naphthalene	240 J	740	ug/kg	SW846 8270C
Phenanthrene	2400 E	300	ug/kg	SW846 8270C
Phenanthrene	2400	740	ug/kg	SW846 8270C
Pyrene	2700 E	300	ug/kg	SW846 8270C
Pyrene	2500	740	ug/kg	SW846 8270C
Percent Solids	89.1	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-605 12/12/05 14:40 021				
Mercury	0.024 B	0.053	mg/kg	SW846 7471A
Silver	5.2	0.53	mg/kg	SW846 6010B
Arsenic	5.8	0.53	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-605 12/12/05 14:40 021				
Barium	175	1.1	mg/kg	SW846 6010B
Cadmium	2.5	0.11	mg/kg	SW846 6010B
Chromium	768	0.53	mg/kg	SW846 6010B
Lead	371	0.32	mg/kg	SW846 6010B
Selenium	0.77	0.53	mg/kg	SW846 6010B
Acenaphthene	43 J	350	ug/kg	SW846 8270C
Anthracene	120 J	350	ug/kg	SW846 8270C
Benzo(a)anthracene	430	350	ug/kg	SW846 8270C
Benzo(a)pyrene	320 J	350	ug/kg	SW846 8270C
Benzo(b)fluoranthene	520	350	ug/kg	SW846 8270C
Benzo(ghi)perylene	250 J	350	ug/kg	SW846 8270C
Benzo(k)fluoranthene	120 J	350	ug/kg	SW846 8270C
Chrysene	490	350	ug/kg	SW846 8270C
Fluoranthene	810	350	ug/kg	SW846 8270C
Fluorene	47 J	350	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	210 J	350	ug/kg	SW846 8270C
Phenanthrene	630	350	ug/kg	SW846 8270C
Pyrene	640	350	ug/kg	SW846 8270C
Percent Solids	74.9	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-606 12/12/05 14:45 022				
Arsenic	1.2	0.43	mg/kg	SW846 6010B
Barium	14.5	0.87	mg/kg	SW846 6010B
Chromium	8.4	0.43	mg/kg	SW846 6010B
Lead	4.0	0.26	mg/kg	SW846 6010B
Benzo(a)anthracene	12 J	290	ug/kg	SW846 8270C
Benzo(a)pyrene	12 J	290	ug/kg	SW846 8270C
Benzo(b)fluoranthene	15 J	290	ug/kg	SW846 8270C
Chrysene	13 J	290	ug/kg	SW846 8270C
Fluoranthene	24 J	290	ug/kg	SW846 8270C
Phenanthrene	20 J	290	ug/kg	SW846 8270C
Pyrene	19 J	290	ug/kg	SW846 8270C
Percent Solids	92.2	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-607 12/12/05 15:25 023				
Mercury	0.18	0.047	mg/kg	SW846 7471A
Silver	1.5	0.47	mg/kg	SW846 6010B
Arsenic	18.5	0.47	mg/kg	SW846 6010B
Barium	608	0.94	mg/kg	SW846 6010B
Cadmium	4.5	0.094	mg/kg	SW846 6010B
Chromium	577	0.47	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SO-17360-121205-DCR-607 12/12/05 15:25 023				
Lead	575	0.28	mg/kg	SW846 6010B
Selenium	1.7	0.47	mg/kg	SW846 6010B
Acenaphthene	2300 J	15000	ug/kg	SW846 8270C
Acenaphthylene	2100 J	15000	ug/kg	SW846 8270C
Anthracene	9000 J	15000	ug/kg	SW846 8270C
Benzo(a)anthracene	29000	15000	ug/kg	SW846 8270C
Benzo(a)pyrene	28000	15000	ug/kg	SW846 8270C
Benzo(b)fluoranthene	38000	15000	ug/kg	SW846 8270C
Benzo(ghi)perylene	21000	15000	ug/kg	SW846 8270C
Benzo(k)fluoranthene	14000 J	15000	ug/kg	SW846 8270C
Chrysene	32000	15000	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	6200 J	15000	ug/kg	SW846 8270C
Fluoranthene	49000	15000	ug/kg	SW846 8270C
Fluorene	3500 J	15000	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	17000	15000	ug/kg	SW846 8270C
2-Methylnaphthalene	1500 J	15000	ug/kg	SW846 8270C
Naphthalene	2600 J	15000	ug/kg	SW846 8270C
Phenanthrene	30000	15000	ug/kg	SW846 8270C
Pyrene	39000	15000	ug/kg	SW846 8270C
Percent Solids	85.3	10.0	%	MCAWW 160.3 MOD
SO-17360-121205-DCR-608 12/12/05 15:30 024				
Mercury	0.044	0.043	mg/kg	SW846 7471A
Arsenic	4.3	0.43	mg/kg	SW846 6010B
Barium	287	0.87	mg/kg	SW846 6010B
Cadmium	0.39	0.087	mg/kg	SW846 6010B
Chromium	49.1	0.43	mg/kg	SW846 6010B
Lead	46.0	0.26	mg/kg	SW846 6010B
Selenium	0.36 B	0.43	mg/kg	SW846 6010B
Acenaphthene	1300 J	5700	ug/kg	SW846 8270C
Anthracene	2900 J	5700	ug/kg	SW846 8270C
Benzo(a)anthracene	8800	5700	ug/kg	SW846 8270C
Benzo(a)pyrene	8400	5700	ug/kg	SW846 8270C
Benzo(b)fluoranthene	12000	5700	ug/kg	SW846 8270C
Benzo(ghi)perylene	6300	5700	ug/kg	SW846 8270C
Benzo(k)fluoranthene	4400 J	5700	ug/kg	SW846 8270C
Chrysene	12000	5700	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	1900 J	5700	ug/kg	SW846 8270C
Fluoranthene	17000	5700	ug/kg	SW846 8270C
Fluorene	1500 J	5700	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	5200 J	5700	ug/kg	SW846 8270C
2-Methylnaphthalene	710 J	5700	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-608 12/12/05 15:30 024				
Naphthalene	910 J	5700	ug/kg	SW846 8270C
Phenanthrene	14000	5700	ug/kg	SW846 8270C
Pyrene	14000	5700	ug/kg	SW846 8270C
Percent Solids	92.4	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-609 12/12/05 15:35 025				
Arsenic	22.4	4.4	mg/kg	SW846 6010B
Barium	21.6	0.87	mg/kg	SW846 6010B
Cadmium	0.77 B, G	0.87	mg/kg	SW846 6010B
Chromium	184	4.4	mg/kg	SW846 6010B
Lead	24.0	2.6	mg/kg	SW846 6010B
Percent Solids	91.5	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-610 12/12/05 15:40 026				
Arsenic	1.2	0.47	mg/kg	SW846 6010B
Barium	13.4	0.94	mg/kg	SW846 6010B
Cadmium	0.058 B	0.094	mg/kg	SW846 6010B
Chromium	8.6	0.47	mg/kg	SW846 6010B
Lead	4.7	0.28	mg/kg	SW846 6010B
Percent Solids	85.2	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-611 12/12/05 15:45 027				
Arsenic	0.73	0.43	mg/kg	SW846 6010B
Barium	4.7	0.86	mg/kg	SW846 6010B
Chromium	5.9	0.43	mg/kg	SW846 6010B
Lead	3.2	0.26	mg/kg	SW846 6010B
Percent Solids	93.2	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-612 12/12/05 16:45 028				
Mercury	0.016 B	0.043	mg/kg	SW846 7471A
Arsenic	2.3	0.43	mg/kg	SW846 6010B
Barium	17.8	0.85	mg/kg	SW846 6010B
Cadmium	0.21	0.085	mg/kg	SW846 6010B
Chromium	26.0	0.43	mg/kg	SW846 6010B
Lead	8.6	0.26	mg/kg	SW846 6010B
Anthracene	23 J	280	ug/kg	SW846 8270C
Benzo(a)anthracene	160 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	180 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	230 J	280	ug/kg	SW846 8270C

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-612 12/12/05 16:45 028				
Benzo(ghi)perylene	140 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	70 J	280	ug/kg	SW846 8270C
Chrysene	170 J	280	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	37 J	280	ug/kg	SW846 8270C
Fluoranthene	250 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	120 J	280	ug/kg	SW846 8270C
2-Methylnaphthalene	11 J	280	ug/kg	SW846 8270C
Naphthalene	7.5 J	280	ug/kg	SW846 8270C
Phenanthrene	98 J	280	ug/kg	SW846 8270C
Pyrene	210 J	280	ug/kg	SW846 8270C
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-613 12/12/05 16:50 029				
Mercury	0.022 B	0.043	mg/kg	SW846 7471A
Arsenic	2.2	0.43	mg/kg	SW846 6010B
Barium	13.7	0.85	mg/kg	SW846 6010B
Cadmium	0.16	0.085	mg/kg	SW846 6010B
Chromium	12.1	0.43	mg/kg	SW846 6010B
Lead	6.8	0.26	mg/kg	SW846 6010B
Anthracene	23 J	280	ug/kg	SW846 8270C
Benzo(a)anthracene	130 J	280	ug/kg	SW846 8270C
Benzo(a)pyrene	130 J	280	ug/kg	SW846 8270C
Benzo(b)fluoranthene	200 J	280	ug/kg	SW846 8270C
Benzo(ghi)perylene	95 J	280	ug/kg	SW846 8270C
Benzo(k)fluoranthene	71 J	280	ug/kg	SW846 8270C
Chrysene	130 J	280	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	26 J	280	ug/kg	SW846 8270C
Fluoranthene	210 J	280	ug/kg	SW846 8270C
Fluorene	7.3 J	280	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	84 J	280	ug/kg	SW846 8270C
2-Methylnaphthalene	13 J	280	ug/kg	SW846 8270C
Naphthalene	11 J	280	ug/kg	SW846 8270C
Phenanthrene	90 J	280	ug/kg	SW846 8270C
Pyrene	180 J	280	ug/kg	SW846 8270C
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-614 12/12/05 16:55 030				
Mercury	0.017 B	0.044	mg/kg	SW846 7471A
Silver	3.0	0.44	mg/kg	SW846 6010B
Arsenic	5.4	0.44	mg/kg	SW846 6010B
Barium	91.1	0.89	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-614 12/12/05 16:55 030				
Cadmium	2.3	0.089	mg/kg	SW846 6010B
Chromium	341	0.44	mg/kg	SW846 6010B
Lead	75.2	0.27	mg/kg	SW846 6010B
Selenium	0.60	0.44	mg/kg	SW846 6010B
Acenaphthene	370 J	2900	ug/kg	SW846 8270C
Anthracene	750 J	2900	ug/kg	SW846 8270C
Benzo(a)anthracene	2000 J	2900	ug/kg	SW846 8270C
Benzo(a)pyrene	1900 J	2900	ug/kg	SW846 8270C
Benzo(b)fluoranthene	2400 J	2900	ug/kg	SW846 8270C
Benzo(ghi)perylene	1400 J	2900	ug/kg	SW846 8270C
Benzo(k)fluoranthene	1100 J	2900	ug/kg	SW846 8270C
Chrysene	2200 J	2900	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	340 J	2900	ug/kg	SW846 8270C
Fluoranthene	4200	2900	ug/kg	SW846 8270C
Fluorene	430 J	2900	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	1200 J	2900	ug/kg	SW846 8270C
2-Methylnaphthalene	470 J	2900	ug/kg	SW846 8270C
Naphthalene	510 J	2900	ug/kg	SW846 8270C
Phenanthrene	3100	2900	ug/kg	SW846 8270C
Pyrene	3200	2900	ug/kg	SW846 8270C
Percent Solids	90.2	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-615 12/12/05 17:00 031				
Arsenic	1.2	0.43	mg/kg	SW846 6010B
Barium	7.4	0.86	mg/kg	SW846 6010B
Chromium	4.8	0.43	mg/kg	SW846 6010B
Lead	1.8	0.26	mg/kg	SW846 6010B
Fluoranthene	9.0 J	280	ug/kg	SW846 8270C
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD
S0-17360-121205-DCR-616 12/12/05 17:02 032				
Arsenic	1.0	0.42	mg/kg	SW846 6010B
Barium	3.7	0.85	mg/kg	SW846 6010B
Chromium	4.2	0.42	mg/kg	SW846 6010B
Lead	1.9	0.25	mg/kg	SW846 6010B
Percent Solids	94.7	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

5L14222 : A5L140222

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-121205-DCR-617 12/12/05 17:05 033				
Mercury	0.024 B	0.045	mg/kg	SW846 7471A
Arsenic	0.68	0.45	mg/kg	SW846 6010B
Barium	5.0	0.89	mg/kg	SW846 6010B
Cadmium	0.034 B	0.089	mg/kg	SW846 6010B
Chromium	3.8	0.45	mg/kg	SW846 6010B
Lead	1.9	0.27	mg/kg	SW846 6010B
Percent Solids	89.8	10.0	%	MCAWW 160.3 MOD

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

5L14222

PARAMETER	ANALYTICAL METHOD
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Total Residue as Percent Solids	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B

References:

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

SAMPLE SUMMARY

SAMPLE SUMMARY

5L14222 : A5L140222

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HR36E	001	S0-17360-121205-DCR-585	12/12/05	10:35
HR37E	002	S0-17360-121205-DCR-586	12/12/05	10:40
HR37F	003	S0-17360-121205-DCR-587	12/12/05	10:45
HR37G	004	S0-17360-121205-DCR-588	12/12/05	10:47
HR37J	005	S0-17360-121205-DCR-589	12/12/05	10:50
HR37L	006	S0-17360-121205-DCR-590	12/12/05	10:55
HR37N	007	S0-17360-121205-DCR-591	12/12/05	11:35
HR37P	008	S0-17360-121205-DCR-592	12/12/05	11:40
HR37Q	009	S0-17360-121205-DCR-593	12/12/05	11:50
HR37T	010	S0-17360-121205-DCR-594	12/12/05	12:20
HR37V	011	S0-17360-121205-DCR-595	12/12/05	12:30
HR37W	012	S0-17360-121205-DCR-596	12/12/05	12:35
HR37X	013	S0-17360-121205-DCR-597	12/12/05	13:30
HR370	014	S0-17360-121205-DCR-598	12/12/05	13:40
HR372	015	S0-17360-121205-DCR-599	12/12/05	13:45
HR373	016	S0-17360-121205-DCR-600	12/12/05	13:50
HR377	017	S0-17360-121205-DCR-601	12/12/05	13:55
HR38D	018	S0-17360-121205-DCR-602	12/12/05	14:25
HR38F	019	S0-17360-121205-DCR-603	12/12/05	14:30
HR38H	020	S0-17360-121205-DCR-604	12/12/05	14:35
HR38J	021	S0-17360-121205-DCR-605	12/12/05	14:40
HR38N	022	S0-17360-121205-DCR-606	12/12/05	14:45
HR38R	023	S0-17360-121205-DCR-607	12/12/05	15:25
HR38T	024	S0-17360-121205-DCR-608	12/12/05	15:30
HR38W	025	S0-17360-121205-DCR-609	12/12/05	15:35
HR380	026	S0-17360-121205-DCR-610	12/12/05	15:40
HR382	027	S0-17360-121205-DCR-611	12/12/05	15:45
HR384	028	S0-17360-121205-DCR-612	12/12/05	16:45
HR387	029	S0-17360-121205-DCR-613	12/12/05	16:50
HR389	030	S0-17360-121205-DCR-614	12/12/05	16:55
HR39A	031	S0-17360-121205-DCR-615	12/12/05	17:00
HR39C	032	S0-17360-121205-DCR-616	12/12/05	17:02
HR39D	033	S0-17360-121205-DCR-617	12/12/05	17:05

(Continued on next page)

SAMPLE SUMMARY

5L14222 : A5L140222

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME

NOTE(S):

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

***SHIPPING
AND
RECEIVING DOCUMENTS***

Required Client Information:

company: CRA, Inc.	Report To: <i>K. Shaw</i>
address: 14496 Sheldon Rd.	Copy To: <i>B. M. Iles</i>
Suite 200	Invoice To: <i>D. Stewart</i>
Plymouth, MI 48170	P.O.:
phone: 734-453-5123	Project Name: <i>GA Grand Rapids</i>
fax: 734-453-5201	Project Number: <i>1736070</i>
email:	

PAGE 2 OF 3

Laboratory:	572- 14. Canton
Laboratory Location:	14. Canton 011
Laboratory Contact:	D. Hecker
Requested Due Date:	TAT: 57D
QA/QC Requirements:	

ID # **N^o D 0934**

SSOW Ref. Code: E030002

Analysis and Method

Simple Identification:

Valid Matrix Codes
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for
Additional Codes

Matrix Code

Date Collected

Time Collected

Containers

Unpreserved

Index

 H_2SO_4

HNO₃

 NaOH

Other:

DNA-c

RCRA metals

ms/ms 0

Remarks/Lab ID

[illegible]

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FEED EX	1	ALB / GMA	12/13/05	1200	Wm J. Bos	12/14/05	0948
IRBILL NO.	8530 1314 2609						
Sample Condition							

emp in C	
received on Ice	Y / N
sealed Cooler	Y / N
amples Intact	Y / N

Additional Comments:

Distribution:

WHITE - Fully Executed Copy

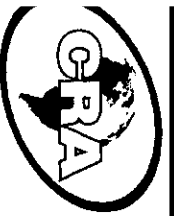
YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampler Copy

R1X: 06144

Sampler Name: David Rivers
Sampler Signature: *[Signature]* Date: 12-13-05



CONESTOGA-ROVERS & ASSOCIATES

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Quirred Client Information:

Company: CRA, Inc.	Report To: K. Shaw
Address: 14496 Sheldon Rd.	Copy To: B. Miller
Suite 200	Invoice To: D. Stewart
Plymouth, MI 48170	P.O.:
Phone: 734-453-5123	Project Name: GM-Grand Rapids
Fax: 734-453-5201	Project Number: 1736070
Email:	

PAGE 3 OF 3

Laboratory: STL-N. Canton
Laboratory Location: N. Canton, OH
Laboratory Contact: D. Hekker
Requested Due Date: TAT: STD
QA/QC Requirements:

ID # No D 0005

SSOW Ref Code: E030602

Sample Identification:

Valid Matrix Codes:	Matrix Code
WG Groundwater	
WB Borehole Water	
WS Surface Water	
SO Soil	
SE Sediment	
See Back for Additional Codes	

Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	PNAs	RCRA metals
12/14/05	1700	22							X	X
	1705	22							X	X

Remarks/Lab ID

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FED EX	1	David Rivers	12/14/05	1200	David Rivers	12/14/05	0940
IRBILL NO.	853013142601						
TOTAL NUMBER OF CONTAINERS							
1.							
2.							
3.							
4.							
5.							

emp in C	Y / N
received on Ice	Y / N
sealed Cooler	Y / N
samples intact	Y / N

Additional Comments:

Distribution:

WHITE - Fully Executed Copy

YELLOW - Receiving Laboratory Copy

PINK - Shipper

GOLDENROD - Sampler Copy

REV 06/04

Sampler Name: David Rivers	Date: 12-13-05
Sampler Signature: [Signature]	

STL North Canton

STL Cooler Receipt Form/Narrative

Lot Number: A5L140222

North Canton Facility

Client: CFAProject: GMQuote#: 63784Cooler Received on: 12/14/05Opened on: 12/14/05by: LMH S-B (Signature)Fedx ☒ Client Drop Off ☐ UPS ☐DHL ☐ FAS ☐ STL Courier ☐Stetson ☐ US Cargo ☐

Other: _____

STL Cooler No# 709Foam Box ☐Client Cooler ☐

Other _____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity _____

Were the custody seals signed and dated?

Yes ☐ No ☐ NA ☒

2. Shipper's packing slip attached to this form?

Yes ☒ No ☐ NA ☐3. Did custody papers accompany the samples? Yes ☒ No ☐Relinquished by client? Yes ☒ No ☐

4. Did you sign the custody papers in the appropriate place?

Yes ☒ No ☐5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐

Other: _____

6. Cooler temperature upon receipt 2.3 °C (see back of form for multiple coolers/temp)METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐IR ☒ICE/H₂O Slurry ☐COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐None ☐

7. Did all bottles arrive in good condition (Unbroken)?

Yes ☒ No ☐

8. Could all bottle labels and/or tags be reconciled with the COC?

Yes ☒ No ☐

9. Were samples at the correct pH? (record below/on back)

Yes ☐ No ☐ NA ☒

10. Were correct bottles used for the tests indicated?

Yes ☒ No ☐

11. Were air bubbles >6 mm in any VOA vials?

Yes ☐ No ☐ NA ☒

12. Sufficient quantity received to perform indicated analyses?

Yes ☒ No ☐13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot # 091305-HNO₃; Sulfuric Acid Lot # 100405-H₂SO₄; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID

pH

Date

Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

[illegible]

Discrepancies Cont.

GCMS SEMIVOLATILE DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-585

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-001	Work Order #... : HR36E1AA	Matrix..... : S0
Date Sampled... : 12/12/05 10:35	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 12.5	Initial Wgt/Vol: 30.2 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 1.5	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	1100 J	3400	ug/kg	12
Acenaphthylene	ND	3400	ug/kg	18
Anthracene	2500 J	3400	ug/kg	29
Benzo(a)anthracene	6500	3400	ug/kg	18
Benzo(a)pyrene	6000	3400	ug/kg	29
Benzo(b)fluoranthene	8600	3400	ug/kg	29
Benzo(ghi)perylene	3900	3400	ug/kg	23
Benzo(k)fluoranthene	3200 J	3400	ug/kg	29
Chrysene	7500	3400	ug/kg	13
Dibenz(a,h)anthracene	1200 J	3400	ug/kg	19
Fluoranthene	16000	3400	ug/kg	12
Fluorene	940 J	3400	ug/kg	17
Indeno(1,2,3-cd)pyrene	3700	3400	ug/kg	25
2-Methylnaphthalene	90 J	3400	ug/kg	13
Naphthalene	170 J	3400	ug/kg	11
Phenanthrene	10000	3400	ug/kg	14
Pyrene	12000	3400	ug/kg	13

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	84 DIL	(42 - 110)	
2-Fluorobiphenyl	76 DIL	(43 - 110)	
Terphenyl-d14	97 DIL	(37 - 137)	
Phenol-d5	64 DIL	(25 - 115)	
2-Fluorophenol	43 DIL	(11 - 116)	
2,4,6-Tribromophenol	0.0 DIL, *	(35 - 116)	

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-586

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-002	Work Order #... : HR37E1AA	Matrix..... : S0
Date Sampled... : 12/12/05 10:40	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.09 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 12	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	300	ug/kg	1.0
Acenaphthylene	ND	300	ug/kg	1.6
Anthracene	52 J	300	ug/kg	2.6
Benzo(a)anthracene	440	300	ug/kg	1.6
Benzo(a)pyrene	510	300	ug/kg	2.6
Benzo(b)fluoranthene	1200	300	ug/kg	2.6
Benzo(ghi)perylene	860	300	ug/kg	2.0
Benzo(k)fluoranthene	330	300	ug/kg	2.6
Chrysene	690	300	ug/kg	1.1
Dibenz(a,h)anthracene	300	300	ug/kg	1.7
Fluoranthene	790	300	ug/kg	1.1
Fluorene	22 J	300	ug/kg	1.5
Indeno(1,2,3-cd)pyrene	630	300	ug/kg	2.3
2-Methylnaphthalene	35 J	300	ug/kg	1.1
Naphthalene	89 J	300	ug/kg	1.0
Phenanthrene	680	300	ug/kg	1.2
Pyrene	530	300	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	71	(42 - 110)
2-Fluorobiphenyl	68	(43 - 110)
Terphenyl-d14	79	(37 - 137)
Phenol-d5	69	(25 - 115)
2-Fluorophenol	66	(11 - 116)
2,4,6-Tribromophenol	72	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-587

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-003	Work Order #... : HR37F1AA	Matrix..... : S0
Date Sampled... : 12/12/05 10:45	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.11 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.7	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.99
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	8.2 J	280	ug/kg	2.5
Benzo(a)anthracene	31 J	280	ug/kg	1.5
Benzo(a)pyrene	25 J	280	ug/kg	2.5
Benzo(b)fluoranthene	45 J	280	ug/kg	2.5
Benzo(ghi)perylene	21 J	280	ug/kg	1.9
Benzo(k)fluoranthene	15 J	280	ug/kg	2.5
Chrysene	37 J	280	ug/kg	1.1
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	67 J	280	ug/kg	1.0
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	17 J	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.1
Naphthalene	ND	280	ug/kg	0.95
Phenanthrene	41 J	280	ug/kg	1.2
Pyrene	47 J	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	67	(42 - 110)
2-Fluorobiphenyl	59	(43 - 110)
Terphenyl-d14	75	(37 - 137)
Phenol-d5	61	(25 - 115)
2-Fluorophenol	60	(11 - 116)
2,4,6-Tribromophenol	52	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-588

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-004	Work Order #... : HR37G1AA	Matrix..... : S0
Date Sampled... : 12/12/05 10:47	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.13 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 5.5	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.97
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.4
Benzo(a)anthracene	21 J	280	ug/kg	1.5
Benzo(a)pyrene	15 J	280	ug/kg	2.4
Benzo(b)fluoranthene	26 J	280	ug/kg	2.4
Benzo(ghi)perylene	11 J	280	ug/kg	1.9
Benzo(k)fluoranthene	9.2 J	280	ug/kg	2.4
Chrysene	24 J	280	ug/kg	1.0
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	46 J	280	ug/kg	0.98
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	9.5 J	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.0
Naphthalene	ND	280	ug/kg	0.94
Phenanthrene	33 J	280	ug/kg	1.2
Pyrene	34 J	280	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	76	(42 - 110)
2-Fluorobiphenyl	70	(43 - 110)
Terphenyl-d14	80	(37 - 137)
Phenol-d5	70	(25 - 115)
2-Fluorophenol	63	(11 - 116)
2,4,6-Tribromophenol	61	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-589

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-005	Work Order #... : HR37J1AA	Matrix..... : S0
Date Sampled... : 12/12/05 10:50	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.09 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 4.6	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.96
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	7.6 J	280	ug/kg	2.4
Benzo(a)anthracene	32 J	280	ug/kg	1.5
Benzo(a)pyrene	26 J	280	ug/kg	2.4
Benzo(b)fluoranthene	38 J	280	ug/kg	2.4
Benzo(ghi)perylene	17 J	280	ug/kg	1.9
Benzo(k)fluoranthene	18 J	280	ug/kg	2.4
Chrysene	33 J	280	ug/kg	1.0
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	68 J	280	ug/kg	0.97
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	16 J	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.0
Naphthalene	ND	280	ug/kg	0.93
Phenanthrene	44 J	280	ug/kg	1.2
Pyrene	47 J	280	ug/kg	1.0

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	70	(42 - 110)
2-Fluorobiphenyl	66	(43 - 110)
Terphenyl-d14	85	(37 - 137)
Phenol-d5	63	(25 - 115)
2-Fluorophenol	47	(11 - 116)
2,4,6-Tribromophenol	49	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-590

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-006	Work Order #... : HR37L1AA	Matrix..... : S0
Date Sampled... : 12/12/05 10:55	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.15 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.4	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.98
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.5
Benzo(a)anthracene	13 J	280	ug/kg	1.5
Benzo(a)pyrene	9.9 J	280	ug/kg	2.5
Benzo(b)fluoranthene	15 J	280	ug/kg	2.5
Benzo(ghi)perylene	7.2 J	280	ug/kg	1.9
Benzo(k)fluoranthene	ND	280	ug/kg	2.5
Chrysene	14 J	280	ug/kg	1.1
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	26 J	280	ug/kg	0.99
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.1
Naphthalene	ND	280	ug/kg	0.95
Phenanthrene	16 J	280	ug/kg	1.2
Pyrene	19 J	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	82	(42 - 110)
2-Fluorobiphenyl	72	(43 - 110)
Terphenyl-d14	83	(37 - 137)
Phenol-d5	76	(25 - 115)
2-Fluorophenol	65	(11 - 116)
2,4,6-Tribromophenol	66	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-591

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-007	Work Order #... : HR37N1AA	Matrix..... : S0
Date Sampled... : 12/12/05 11:35	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.2 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 4.0	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	12 J	280	ug/kg	0.96
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	35 J	280	ug/kg	2.4
Benzo(a)anthracene	120 J	280	ug/kg	1.5
Benzo(a)pyrene	120 J	280	ug/kg	2.4
Benzo(b)fluoranthene	170 J	280	ug/kg	2.4
Benzo(ghi)perylene	90 J	280	ug/kg	1.9
Benzo(k)fluoranthene	51 J	280	ug/kg	2.4
Chrysene	130 J	280	ug/kg	1.0
Dibenz(a,h)anthracene	22 J	280	ug/kg	1.6
Fluoranthene	280	280	ug/kg	0.97
Fluorene	9.4 J	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	77 J	280	ug/kg	2.1
2-Methylnaphthalene	8.2 J	280	ug/kg	1.0
Naphthalene	ND	280	ug/kg	0.93
Phenanthrene	120 J	280	ug/kg	1.1
Pyrene	210 J	280	ug/kg	1.0

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	85	(42 - 110)
2-Fluorobiphenyl	80	(43 - 110)
Terphenyl-d14	87	(37 - 137)
Phenol-d5	85	(25 - 115)
2-Fluorophenol	63	(11 - 116)
2,4,6-Tribromophenol	48	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-592

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-008	Work Order #... : HR37P1AA	Matrix..... : S0
Date Sampled... : 12/12/05 11:40	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 7.5	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	290	ug/kg	0.99
Acenaphthylene	ND	290	ug/kg	1.5
Anthracene	ND	290	ug/kg	2.5
Benzo(a)anthracene	ND	290	ug/kg	1.5
Benzo(a)pyrene	ND	290	ug/kg	2.5
Benzo(b)fluoranthene	ND	290	ug/kg	2.5
Benzo(ghi)perylene	ND	290	ug/kg	1.9
Benzo(k)fluoranthene	ND	290	ug/kg	2.5
Chrysene	ND	290	ug/kg	1.1
Dibenz(a,h)anthracene	ND	290	ug/kg	1.6
Fluoranthene	ND	290	ug/kg	1.0
Fluorene	ND	290	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	290	ug/kg	2.2
2-Methylnaphthalene	ND	290	ug/kg	1.1
Naphthalene	ND	290	ug/kg	0.96
Phenanthrene	ND	290	ug/kg	1.2
Pyrene	ND	290	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	82	(42 - 110)
2-Fluorobiphenyl	74	(43 - 110)
Terphenyl-d14	82	(37 - 137)
Phenol-d5	83	(25 - 115)
2-Fluorophenol	73	(11 - 116)
2,4,6-Tribromophenol	78	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-593

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-009	Work Order #... : HR37Q1AA	Matrix..... : S0
Date Sampled... : 12/12/05 11:50	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.16 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.2	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.98
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.5
Benzo(a)anthracene	ND	280	ug/kg	1.5
Benzo(a)pyrene	ND	280	ug/kg	2.5
Benzo(b)fluoranthene	ND	280	ug/kg	2.5
Benzo(ghi)perylene	ND	280	ug/kg	1.9
Benzo(k)fluoranthene	ND	280	ug/kg	2.5
Chrysene	ND	280	ug/kg	1.1
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	ND	280	ug/kg	0.99
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.1
Naphthalene	ND	280	ug/kg	0.95
Phenanthrene	ND	280	ug/kg	1.2
Pyrene	ND	280	ug/kg	1.1

SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Nitrobenzene-d5	73		(42 - 110)	
2-Fluorobiphenyl	66		(43 - 110)	
Terphenyl-d14	81		(37 - 137)	
Phenol-d5	70		(25 - 115)	
2-Fluorophenol	60		(11 - 116)	
2,4,6-Tribromophenol	66		(35 - 116)	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-594

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-010	Work Order #... : HR37T1AA	Matrix..... : S0
Date Sampled... : 12/12/05 12:20	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 5.6	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.97
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.4
Benzo(a)anthracene	21 J	280	ug/kg	1.5
Benzo(a)pyrene	25 J	280	ug/kg	2.4
Benzo(b)fluoranthene	40 J	280	ug/kg	2.4
Benzo(ghi)perylene	20 J	280	ug/kg	1.9
Benzo(k)fluoranthene	15 J	280	ug/kg	2.4
Chrysene	36 J	280	ug/kg	1.0
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	40 J	280	ug/kg	0.98
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	15 J	280	ug/kg	2.1
2-Methylnaphthalene	25 J	280	ug/kg	1.0
Naphthalene	13 J	280	ug/kg	0.94
Phenanthrene	37 J	280	ug/kg	1.2
Pyrene	35 J	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	79	(42 - 110)
2-Fluorobiphenyl	74	(43 - 110)
Terphenyl-d14	82	(37 - 137)
Phenol-d5	75	(25 - 115)
2-Fluorophenol	58	(11 - 116)
2,4,6-Tribromophenol	51	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-595

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-011	Work Order #... : HR37V1AA	Matrix..... : S0
Date Sampled... : 12/12/05 12:30	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.2 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 5.7	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.98
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.4
Benzo(a)anthracene	ND	280	ug/kg	1.5
Benzo(a)pyrene	ND	280	ug/kg	2.4
Benzo(b)fluoranthene	ND	280	ug/kg	2.4
Benzo(ghi)perylene	ND	280	ug/kg	1.9
Benzo(k)fluoranthene	ND	280	ug/kg	2.4
Chrysene	ND	280	ug/kg	1.0
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	ND	280	ug/kg	0.99
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.0
Naphthalene	ND	280	ug/kg	0.94
Phenanthrene	ND	280	ug/kg	1.2
Pyrene	ND	280	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	71	(42 - 110)	
2-Fluorobiphenyl	64	(43 - 110)	
Terphenyl-d14	80	(37 - 137)	
Phenol-d5	73	(25 - 115)	
2-Fluorophenol	65	(11 - 116)	
2,4,6-Tribromophenol	76	(35 - 116)	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-596

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-012	Work Order #... : HR37W1AA	Matrix..... : S0
Date Sampled... : 12/12/05 12:35	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.17 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 4.5	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.96
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.4
Benzo(a)anthracene	ND	280	ug/kg	1.5
Benzo(a)pyrene	ND	280	ug/kg	2.4
Benzo(b)fluoranthene	ND	280	ug/kg	2.4
Benzo(ghi)perylene	ND	280	ug/kg	1.9
Benzo(k)fluoranthene	ND	280	ug/kg	2.4
Chrysene	ND	280	ug/kg	1.0
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	ND	280	ug/kg	0.97
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.0
Naphthalene	ND	280	ug/kg	0.93
Phenanthrene	ND	280	ug/kg	1.2
Pyrene	ND	280	ug/kg	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
Nitrobenzene-d5	76	(42 - 110)
2-Fluorobiphenyl	70	(43 - 110)
Terphenyl-d14	82	(37 - 137)
Phenol-d5	72	(25 - 115)
2-Fluorophenol	59	(11 - 116)
2,4,6-Tribromophenol	51	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-597

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-013	Work Order #... : HR37X1AA	Matrix..... : S0
Date Sampled... : 12/12/05 13:30	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.07 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 7.0	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.99
Acenaphthylene	10 J	280	ug/kg	1.5
Anthracene	9.9 J	280	ug/kg	2.5
Benzo(a)anthracene	47 J	280	ug/kg	1.5
Benzo(a)pyrene	49 J	280	ug/kg	2.5
Benzo(b)fluoranthene	87 J	280	ug/kg	2.5
Benzo(ghi)perylene	46 J	280	ug/kg	1.9
Benzo(k)fluoranthene	22 J	280	ug/kg	2.5
Chrysene	80 J	280	ug/kg	1.1
Dibenz(a,h)anthracene	13 J	280	ug/kg	1.6
Fluoranthene	78 J	280	ug/kg	1.0
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	33 J	280	ug/kg	2.2
2-Methylnaphthalene	86 J	280	ug/kg	1.1
Naphthalene	42 J	280	ug/kg	0.96
Phenanthrene	100 J	280	ug/kg	1.2
Pyrene	65 J	280	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(42 - 110)
2-Fluorobiphenyl	77	(43 - 110)
Terphenyl-d14	83	(37 - 137)
Phenol-d5	79	(25 - 115)
2-Fluorophenol	77	(11 - 116)
2,4,6-Tribromophenol	42	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-598

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-014	Work Order #... : HR3701AA	Matrix..... : S0
Date Sampled... : 12/12/05 13:40	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.03 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 12	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	300	ug/kg	1.1
Acenaphthylene	ND	300	ug/kg	1.6
Anthracene	9.8 J	300	ug/kg	2.6
Benzo(a)anthracene	47 J	300	ug/kg	1.6
Benzo(a)pyrene	45 J	300	ug/kg	2.6
Benzo(b)fluoranthene	81 J	300	ug/kg	2.6
Benzo(ghi)perylene	45 J	300	ug/kg	2.1
Benzo(k)fluoranthene	22 J	300	ug/kg	2.6
Chrysene	79 J	300	ug/kg	1.1
Dibenz(a,h)anthracene	13 J	300	ug/kg	1.7
Fluoranthene	82 J	300	ug/kg	1.1
Fluorene	ND	300	ug/kg	1.5
Indeno(1,2,3-cd)pyrene	32 J	300	ug/kg	2.3
2-Methylnaphthalene	79 J	300	ug/kg	1.1
Naphthalene	36 J	300	ug/kg	1.0
Phenanthrene	100 J	300	ug/kg	1.3
Pyrene	67 J	300	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	85	(42 - 110)	
2-Fluorobiphenyl	77	(43 - 110)	
Terphenyl-d14	85	(37 - 137)	
Phenol-d5	78	(25 - 115)	
2-Fluorophenol	77	(11 - 116)	
2,4,6-Tribromophenol	42	(35 - 116)	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-599

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-015	Work Order #... : HR3721AA	Matrix..... : S0
Date Sampled... : 12/12/05 13:45	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 5	Initial Wgt/Vol: 30.2 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.9	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	1400	ug/kg	4.9
Acenaphthylene	ND	1400	ug/kg	7.5
Anthracene	ND	1400	ug/kg	12
Benzo(a)anthracene	ND	1400	ug/kg	7.5
Benzo(a)pyrene	ND	1400	ug/kg	12
Benzo(b)fluoranthene	ND	1400	ug/kg	12
Benzo(ghi)perylene	ND	1400	ug/kg	9.7
Benzo(k)fluoranthene	ND	1400	ug/kg	12
Chrysene	ND	1400	ug/kg	5.3
Dibenz(a,h)anthracene	ND	1400	ug/kg	8.1
Fluoranthene	ND	1400	ug/kg	5.0
Fluorene	ND	1400	ug/kg	7.0
Indeno(1,2,3-cd)pyrene	ND	1400	ug/kg	11
2-Methylnaphthalene	ND	1400	ug/kg	5.3
Naphthalene	ND	1400	ug/kg	4.8
Phenanthrene	ND	1400	ug/kg	5.9
Pyrene	ND	1400	ug/kg	5.4

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	89 DIL	(42 - 110)
2-Fluorobiphenyl	85 DIL	(43 - 110)
Terphenyl-d14	103 DIL	(37 - 137)
Phenol-d5	80 DIL	(25 - 115)
2-Fluorophenol	84 DIL	(11 - 116)
2,4,6-Tribromophenol	69 DIL	(35 - 116)

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-600

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-016	Work Order #... : HR3731AA	Matrix..... : S0
Date Sampled... : 12/12/05 13:50	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 5	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 8.4	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	1400	ug/kg	5.0
Acenaphthylene	ND	1400	ug/kg	7.6
Anthracene	ND	1400	ug/kg	13
Benzo(a)anthracene	ND	1400	ug/kg	7.6
Benzo(a)pyrene	ND	1400	ug/kg	13
Benzo(b)fluoranthene	ND	1400	ug/kg	13
Benzo(ghi)perylene	ND	1400	ug/kg	9.8
Benzo(k)fluoranthene	ND	1400	ug/kg	13
Chrysene	ND	1400	ug/kg	5.4
Dibenz(a,h)anthracene	ND	1400	ug/kg	8.2
Fluoranthene	ND	1400	ug/kg	5.1
Fluorene	ND	1400	ug/kg	7.1
Indeno(1,2,3-cd)pyrene	ND	1400	ug/kg	11
2-Methylnaphthalene	ND	1400	ug/kg	5.4
Naphthalene	ND	1400	ug/kg	4.9
Phenanthrene	ND	1400	ug/kg	6.0
Pyrene	ND	1400	ug/kg	5.5

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	91 DIL	(42 - 110)
2-Fluorobiphenyl	87 DIL	(43 - 110)
Terphenyl-d14	97 DIL	(37 - 137)
Phenol-d5	77 DIL	(25 - 115)
2-Fluorophenol	82 DIL	(11 - 116)
2,4,6-Tribromophenol	85 DIL	(35 - 116)

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-601

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-017	Work Order #... : HR3771AA	Matrix..... : S0
Date Sampled... : 12/12/05 13:55	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.11 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 8.4	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	290	ug/kg	1.0
Acenaphthylene	ND	290	ug/kg	1.5
Anthracene	ND	290	ug/kg	2.5
Benzo(a)anthracene	ND	290	ug/kg	1.5
Benzo(a)pyrene	ND	290	ug/kg	2.5
Benzo(b)fluoranthene	ND	290	ug/kg	2.5
Benzo(ghi)perylene	ND	290	ug/kg	2.0
Benzo(k)fluoranthene	ND	290	ug/kg	2.5
Chrysene	ND	290	ug/kg	1.1
Dibenz(a,h)anthracene	ND	290	ug/kg	1.6
Fluoranthene	ND	290	ug/kg	1.0
Fluorene	ND	290	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	290	ug/kg	2.2
2-Methylnaphthalene	ND	290	ug/kg	1.1
Naphthalene	ND	290	ug/kg	0.97
Phenanthrene	ND	290	ug/kg	1.2
Pyrene	ND	290	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	83	(42 - 110)
2-Fluorobiphenyl	74	(43 - 110)
Terphenyl-d14	87	(37 - 137)
Phenol-d5	75	(25 - 115)
2-Fluorophenol	65	(11 - 116)
2,4,6-Tribromophenol	79	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-602

GC/MS Semivolatiles

Lot-Sample #....: A5L140222-018	Work Order #....: HR38D1AA	Matrix.....: S0
Date Sampled....: 12/12/05 14:25	Date Received...: 12/14/05	
Prep Date.....: 12/14/05	Analysis Date...: 12/16/05	
Prep Batch #....: 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol...: 2 mL
% Moisture.....: 6.7	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	180 J	280	ug/kg	0.99
Acenaphthylene	26 J	280	ug/kg	1.5
Anthracene	570	280	ug/kg	2.5
Benzo(a)anthracene	2100 E	280	ug/kg	1.5
Benzo(a)pyrene	1800 E	280	ug/kg	2.5
Benzo(b)fluoranthene	2700 E	280	ug/kg	2.5
Benzo(ghi)perylene	1300	280	ug/kg	1.9
Benzo(k)fluoranthene	820	280	ug/kg	2.5
Chrysene	2500 E	280	ug/kg	1.1
Dibenz(a,h)anthracene	430	280	ug/kg	1.6
Fluoranthene	2900 E	280	ug/kg	1.0
Fluorene	260 J	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	1100	280	ug/kg	2.1
2-Methylnaphthalene	130 J	280	ug/kg	1.1
Naphthalene	92 J	280	ug/kg	0.95
Phenanthrene	2000 E	280	ug/kg	1.2
Pyrene	2600 E	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	84	(42 - 110)
2-Fluorobiphenyl	76	(43 - 110)
Terphenyl-d14	90	(37 - 137)
Phenol-d5	72	(25 - 115)
2-Fluorophenol	61	(11 - 116)
2,4,6-Tribromophenol	32 *	(35 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-602

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-018	Work Order #... : HR38D2AA	Matrix..... : S0
Date Sampled... : 12/12/05 14:25	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/20/05	
Prep Batch #... : 5348338		
Dilution Factor: 2.5	Initial Wgt/Vol: 30 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.7	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	170 J	710	ug/kg	2.5
Acenaphthylene	ND	710	ug/kg	3.8
Anthracene	530 J	710	ug/kg	6.2
Benzo(a)anthracene	2100	710	ug/kg	3.8
Benzo(a)pyrene	2000	710	ug/kg	6.2
Benzo(b)fluoranthene	3000	710	ug/kg	6.2
Benzo(ghi)perylene	1300	710	ug/kg	4.8
Benzo(k)fluoranthene	950	710	ug/kg	6.2
Chrysene	2600	710	ug/kg	2.7
Dibenz(a,h)anthracene	450 J	710	ug/kg	4.0
Fluoranthene	3100	710	ug/kg	2.5
Fluorene	250 J	710	ug/kg	3.5
Indeno(1,2,3-cd)pyrene	1100	710	ug/kg	5.4
2-Methylnaphthalene	110 J	710	ug/kg	2.7
Naphthalene	83 J	710	ug/kg	2.4
Phenanthrene	2200	710	ug/kg	2.9
Pyrene	2600	710	ug/kg	2.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82 DIL	(42 - 110)
2-Fluorobiphenyl	73 DIL	(43 - 110)
Terphenyl-d14	80 DIL	(37 - 137)
Phenol-d5	67 DIL	(25 - 115)
2-Fluorophenol	64 DIL	(11 - 116)
2,4,6-Tribromophenol	31 DIL, *	(35 - 116)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-603

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-019	Work Order #... : HR38F1AA	Matrix..... : S0
Date Sampled... : 12/12/05 14:30	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 40	Initial Wgt/Vol: 30.02 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.8	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	1900 J	11000	ug/kg	39
Acenaphthylene	ND	11000	ug/kg	60
Anthracene	5200 J	11000	ug/kg	99
Benzo(a)anthracene	17000	11000	ug/kg	60
Benzo(a)pyrene	17000	11000	ug/kg	99
Benzo(b)fluoranthene	24000	11000	ug/kg	99
Benzo(ghi)perylene	12000	11000	ug/kg	77
Benzo(k)fluoranthene	8900 J	11000	ug/kg	99
Chrysene	21000	11000	ug/kg	42
Dibenz(a,h)anthracene	3400 J	11000	ug/kg	64
Fluoranthene	37000	11000	ug/kg	40
Fluorene	2200 J	11000	ug/kg	56
Indeno(1,2,3-cd)pyrene	10000 J	11000	ug/kg	86
2-Methylnaphthalene	ND	11000	ug/kg	42
Naphthalene	ND	11000	ug/kg	38
Phenanthrene	23000	11000	ug/kg	47
Pyrene	29000	11000	ug/kg	43

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	0.0 DIL, *	(42 - 110)
2-Fluorobiphenyl	0.0 DIL, *	(43 - 110)
Terphenyl-d14	96 DIL	(37 - 137)
Phenol-d5	0.0 DIL, *	(25 - 115)
2-Fluorophenol	0.0 DIL, *	(11 - 116)
2,4,6-Tribromophenol	0.0 DIL, *	(35 - 116)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-604

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-020	Work Order #... : HR38H1AA	Matrix..... : S0
Date Sampled... : 12/12/05 14:35	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348338		
Dilution Factor: 1	Initial Wgt/Vol: 30.01 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 11	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	180 J	300	ug/kg	1.0
Acenaphthylene	17 J	300	ug/kg	1.6
Anthracene	540	300	ug/kg	2.6
Benzo(a)anthracene	2100 E	300	ug/kg	1.6
Benzo(a)pyrene	1700	300	ug/kg	2.6
Benzo(b)fluoranthene	3000 E	300	ug/kg	2.6
Benzo(ghi)perylene	1300	300	ug/kg	2.0
Benzo(k)fluoranthene	1000	300	ug/kg	2.6
Chrysene	2800 E	300	ug/kg	1.1
Dibenz(a,h)anthracene	490	300	ug/kg	1.7
Fluoranthene	3100 E	300	ug/kg	1.0
Fluorene	230 J	300	ug/kg	1.5
Indeno(1,2,3-cd)pyrene	1200	300	ug/kg	2.2
2-Methylnaphthalene	78 J	300	ug/kg	1.1
Naphthalene	270 J	300	ug/kg	1.0
Phenanthrene	2400 E	300	ug/kg	1.2
Pyrene	2700 E	300	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	90	(42 - 110)
2-Fluorobiphenyl	83	(43 - 110)
Terphenyl-d14	97	(37 - 137)
Phenol-d5	77	(25 - 115)
2-Fluorophenol	76	(11 - 116)
2,4,6-Tribromophenol	47	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-604

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-020	Work Order #... : HR38H2AA	Matrix..... : S0
Date Sampled... : 12/12/05 14:35	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/20/05	
Prep Batch #... : 5348338		
Dilution Factor: 2.5	Initial Wgt/Vol: 30.01 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 11	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	160 J	740	ug/kg	2.6
Acenaphthylene	ND	740	ug/kg	3.9
Anthracene	480 J	740	ug/kg	6.5
Benzo(a)anthracene	1900	740	ug/kg	3.9
Benzo(a)pyrene	1700	740	ug/kg	6.5
Benzo(b)fluoranthene	3000	740	ug/kg	6.5
Benzo(ghi)perylene	1300	740	ug/kg	5.0
Benzo(k)fluoranthene	950	740	ug/kg	6.5
Chrysene	2600	740	ug/kg	2.8
Dibenz(a,h)anthracene	470 J	740	ug/kg	4.2
Fluoranthene	3200	740	ug/kg	2.6
Fluorene	210 J	740	ug/kg	3.6
Indeno(1,2,3-cd)pyrene	1100	740	ug/kg	5.6
2-Methylnaphthalene	70 J	740	ug/kg	2.8
Naphthalene	240 J	740	ug/kg	2.5
Phenanthrene	2400	740	ug/kg	3.1
Pyrene	2500	740	ug/kg	2.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83 DIL	(42 - 110)
2-Fluorobiphenyl	76 DIL	(43 - 110)
Terphenyl-d14	83 DIL	(37 - 137)
Phenol-d5	74 DIL	(25 - 115)
2-Fluorophenol	67 DIL	(11 - 116)
2,4,6-Tribromophenol	46 DIL	(35 - 116)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-605

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-021	Work Order #... : HR38J1AA	Matrix..... : S0
Date Sampled... : 12/12/05 14:40	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30.2 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 25	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	43 J	350	ug/kg	1.2
Acenaphthylene	ND	350	ug/kg	1.9
Anthracene	120 J	350	ug/kg	3.1
Benzo(a)anthracene	430	350	ug/kg	1.9
Benzo(a)pyrene	320 J	350	ug/kg	3.1
Benzo(b)fluoranthene	520	350	ug/kg	3.1
Benzo(ghi)perylene	250 J	350	ug/kg	2.4
Benzo(k)fluoranthene	120 J	350	ug/kg	3.1
Chrysene	490	350	ug/kg	1.3
Dibenz(a,h)anthracene	ND	350	ug/kg	2.0
Fluoranthene	810	350	ug/kg	1.2
Fluorene	47 J	350	ug/kg	1.7
Indeno(1,2,3-cd)pyrene	210 J	350	ug/kg	2.7
2-Methylnaphthalene	ND	350	ug/kg	1.3
Naphthalene	ND	350	ug/kg	1.2
Phenanthrene	630	350	ug/kg	1.5
Pyrene	640	350	ug/kg	1.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(42 - 110)
2-Fluorobiphenyl	67	(43 - 110)
Terphenyl-d14	76	(37 - 137)
Phenol-d5	66	(25 - 115)
2-Fluorophenol	68	(11 - 116)
2,4,6-Tribromophenol	72	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-606

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-022	Work Order #... : HR38N1AA	Matrix..... : S0
Date Sampled... : 12/12/05 14:45	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30.13 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 7.8	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	290	ug/kg	1.0
Acenaphthylene	ND	290	ug/kg	1.5
Anthracene	ND	290	ug/kg	2.5
Benzo(a)anthracene	12 J	290	ug/kg	1.5
Benzo(a)pyrene	12 J	290	ug/kg	2.5
Benzo(b)fluoranthene	15 J	290	ug/kg	2.5
Benzo(ghi)perylene	ND	290	ug/kg	2.0
Benzo(k)fluoranthene	ND	290	ug/kg	2.5
Chrysene	13 J	290	ug/kg	1.1
Dibenz(a,h)anthracene	ND	290	ug/kg	1.6
Fluoranthene	24 J	290	ug/kg	1.0
Fluorene	ND	290	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	290	ug/kg	2.2
2-Methylnaphthalene	ND	290	ug/kg	1.1
Naphthalene	ND	290	ug/kg	0.97
Phenanthrene	20 J	290	ug/kg	1.2
Pyrene	19 J	290	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	51	(42 - 110)	
2-Fluorobiphenyl	64	(43 - 110)	
Terphenyl-d14	79	(37 - 137)	
Phenol-d5	59	(25 - 115)	
2-Fluorophenol	63	(11 - 116)	
2,4,6-Tribromophenol	56	(35 - 116)	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-607

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-023	Work Order #... : HR38R1AA	Matrix..... : S0
Date Sampled... : 12/12/05 15:25	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 50	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 15	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	2300 J	15000	ug/kg	54
Acenaphthylene	2100 J	15000	ug/kg	82
Anthracene	9000 J	15000	ug/kg	130
Benzo(a)anthracene	29000	15000	ug/kg	82
Benzo(a)pyrene	28000	15000	ug/kg	130
Benzo(b)fluoranthene	38000	15000	ug/kg	130
Benzo(ghi)perylene	21000	15000	ug/kg	110
Benzo(k)fluoranthene	14000 J	15000	ug/kg	130
Chrysene	32000	15000	ug/kg	58
Dibenz(a,h)anthracene	6200 J	15000	ug/kg	88
Fluoranthene	49000	15000	ug/kg	55
Fluorene	3500 J	15000	ug/kg	76
Indeno(1,2,3-cd)pyrene	17000	15000	ug/kg	120
2-Methylnaphthalene	1500 J	15000	ug/kg	58
Naphthalene	2600 J	15000	ug/kg	52
Phenanthrene	30000	15000	ug/kg	65
Pyrene	39000	15000	ug/kg	59

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
Nitrobenzene-d5	0.0 DIL, *	(42 - 110)
2-Fluorobiphenyl	69 DIL	(43 - 110)
Terphenyl-d14	77 DIL	(37 - 137)
Phenol-d5	50 DIL	(25 - 115)
2-Fluorophenol	53 DIL	(11 - 116)
2,4,6-Tribromophenol	63 DIL	(35 - 116)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-608

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-024	Work Order #... : HR38T1AA	Matrix..... : S0
Date Sampled... : 12/12/05 15:30	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 20	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 5 mL
% Moisture..... : 7.6	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	1300 J	5700	ug/kg	20
Acenaphthylene	ND	5700	ug/kg	30
Anthracene	2900 J	5700	ug/kg	50
Benzo(a)anthracene	8800	5700	ug/kg	30
Benzo(a)pyrene	8400	5700	ug/kg	50
Benzo(b)fluoranthene	12000	5700	ug/kg	50
Benzo(ghi)perylene	6300	5700	ug/kg	39
Benzo(k)fluoranthene	4400 J	5700	ug/kg	50
Chrysene	12000	5700	ug/kg	21
Dibenz(a,h)anthracene	1900 J	5700	ug/kg	32
Fluoranthene	17000	5700	ug/kg	20
Fluorene	1500 J	5700	ug/kg	28
Indeno(1,2,3-cd)pyrene	5200 J	5700	ug/kg	43
2-Methylnaphthalene	710 J	5700	ug/kg	21
Naphthalene	910 J	5700	ug/kg	19
Phenanthrene	14000	5700	ug/kg	24
Pyrene	14000	5700	ug/kg	22

SURROGATE	PERCENT RECOVERY	RECOVERY
		LIMITS
Nitrobenzene-d5	64 DIL	(42 - 110)
2-Fluorobiphenyl	86 DIL	(43 - 110)
Terphenyl-d14	98 DIL	(37 - 137)
Phenol-d5	75 DIL	(25 - 115)
2-Fluorophenol	68 DIL	(11 - 116)
2,4,6-Tribromophenol	37 DIL	(35 - 116)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-609

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-025	Work Order #... : HR38W1AA	Matrix..... : S0
Date Sampled... : 12/12/05 15:35	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 50	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 8.5	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	14000	ug/kg	50
Acenaphthylene	ND	14000	ug/kg	76
Anthracene	ND	14000	ug/kg	130
Benzo(a)anthracene	ND	14000	ug/kg	76
Benzo(a)pyrene	ND	14000	ug/kg	130
Benzo(b)fluoranthene	ND	14000	ug/kg	130
Benzo(ghi)perylene	ND	14000	ug/kg	98
Benzo(k)fluoranthene	ND	14000	ug/kg	130
Chrysene	ND	14000	ug/kg	54
Dibenz(a,h)anthracene	ND	14000	ug/kg	82
Fluoranthene	ND	14000	ug/kg	51
Fluorene	ND	14000	ug/kg	71
Indeno(1,2,3-cd)pyrene	ND	14000	ug/kg	110
2-Methylnaphthalene	ND	14000	ug/kg	54
Naphthalene	ND	14000	ug/kg	49
Phenanthrene	ND	14000	ug/kg	60
Pyrene	ND	14000	ug/kg	55

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	54 DIL	(42 - 110)
2-Fluorobiphenyl	69 DIL	(43 - 110)
Terphenyl-d14	73 DIL	(37 - 137)
Phenol-d5	64 DIL	(25 - 115)
2-Fluorophenol	65 DIL	(11 - 116)
2,4,6-Tribromophenol	75 DIL	(35 - 116)

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-610

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-026	Work Order #... : HR3801AA	Matrix..... : S0
Date Sampled... : 12/12/05 15:40	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 50	Initial Wgt/Vol: 30.13 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 15	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	16000	ug/kg	54
Acenaphthylene	ND	16000	ug/kg	82
Anthracene	ND	16000	ug/kg	140
Benzo(a)anthracene	ND	16000	ug/kg	82
Benzo(a)pyrene	ND	16000	ug/kg	140
Benzo(b)fluoranthene	ND	16000	ug/kg	140
Benzo(ghi)perylene	ND	16000	ug/kg	110
Benzo(k)fluoranthene	ND	16000	ug/kg	140
Chrysene	ND	16000	ug/kg	58
Dibenz(a,h)anthracene	ND	16000	ug/kg	88
Fluoranthene	ND	16000	ug/kg	55
Fluorene	ND	16000	ug/kg	76
Indeno(1,2,3-cd)pyrene	ND	16000	ug/kg	120
2-Methylnaphthalene	ND	16000	ug/kg	58
Naphthalene	ND	16000	ug/kg	52
Phenanthrene	ND	16000	ug/kg	65
Pyrene	ND	16000	ug/kg	59

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	51 DIL	(42 - 110)
2-Fluorobiphenyl	78 DIL	(43 - 110)
Terphenyl-d14	81 DIL	(37 - 137)
Phenol-d5	66 DIL	(25 - 115)
2-Fluorophenol	65 DIL	(11 - 116)
2,4,6-Tribromophenol	69 DIL	(35 - 116)

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-611

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-027	Work Order #... : HR3821AA	Matrix..... : S0
Date Sampled... : 12/12/05 15:45	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 20	Initial Wgt/Vol: 30.2 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.8	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	5700	ug/kg	20
Acenaphthylene	ND	5700	ug/kg	30
Anthracene	ND	5700	ug/kg	49
Benzo(a)anthracene	ND	5700	ug/kg	30
Benzo(a)pyrene	ND	5700	ug/kg	49
Benzo(b)fluoranthene	ND	5700	ug/kg	49
Benzo(ghi)perylene	ND	5700	ug/kg	39
Benzo(k)fluoranthene	ND	5700	ug/kg	49
Chrysene	ND	5700	ug/kg	21
Dibenz(a,h)anthracene	ND	5700	ug/kg	32
Fluoranthene	ND	5700	ug/kg	20
Fluorene	ND	5700	ug/kg	28
Indeno(1,2,3-cd)pyrene	ND	5700	ug/kg	43
2-Methylnaphthalene	ND	5700	ug/kg	21
Naphthalene	ND	5700	ug/kg	19
Phenanthrene	ND	5700	ug/kg	24
Pyrene	ND	5700	ug/kg	21

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	61 DIL	(42 - 110)
2-Fluorobiphenyl	85 DIL	(43 - 110)
Terphenyl-d14	89 DIL	(37 - 137)
Phenol-d5	77 DIL	(25 - 115)
2-Fluorophenol	78 DIL	(11 - 116)
2,4,6-Tribromophenol	86 DIL	(35 - 116)

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-612

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-028	Work Order #... : HR3841AA	Matrix..... : S0
Date Sampled... : 12/12/05 16:45	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.0	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.98
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	23 J	280	ug/kg	2.4
Benzo(a)anthracene	160 J	280	ug/kg	1.5
Benzo(a)pyrene	180 J	280	ug/kg	2.4
Benzo(b)fluoranthene	230 J	280	ug/kg	2.4
Benzo(ghi)perylene	140 J	280	ug/kg	1.9
Benzo(k)fluoranthene	70 J	280	ug/kg	2.4
Chrysene	170 J	280	ug/kg	1.1
Dibenz(a,h)anthracene	37 J	280	ug/kg	1.6
Fluoranthene	250 J	280	ug/kg	0.99
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	120 J	280	ug/kg	2.1
2-Methylnaphthalene	11 J	280	ug/kg	1.1
Naphthalene	7.5 J	280	ug/kg	0.95
Phenanthrene	98 J	280	ug/kg	1.2
Pyrene	210 J	280	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	55	(42 - 110)	
2-Fluorobiphenyl	73	(43 - 110)	
Terphenyl-d14	77	(37 - 137)	
Phenol-d5	60	(25 - 115)	
2-Fluorophenol	65	(11 - 116)	
2,4,6-Tribromophenol	33 *	(35 - 116)	

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-613

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-029	Work Order #... : HR3871AA	Matrix..... : S0
Date Sampled... : 12/12/05 16:50	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30.09 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.0	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.98
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	23 J	280	ug/kg	2.4
Benzo(a)anthracene	130 J	280	ug/kg	1.5
Benzo(a)pyrene	130 J	280	ug/kg	2.4
Benzo(b)fluoranthene	200 J	280	ug/kg	2.4
Benzo(ghi)perylene	95 J	280	ug/kg	1.9
Benzo(k)fluoranthene	71 J	280	ug/kg	2.4
Chrysene	130 J	280	ug/kg	1.1
Dibenz(a,h)anthracene	26 J	280	ug/kg	1.6
Fluoranthene	210 J	280	ug/kg	0.99
Fluorene	7.3 J	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	84 J	280	ug/kg	2.1
2-Methylnaphthalene	13 J	280	ug/kg	1.1
Naphthalene	11 J	280	ug/kg	0.95
Phenanthrene	90 J	280	ug/kg	1.2
Pyrene	180 J	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	56	(42 - 110)
2-Fluorobiphenyl	72	(43 - 110)
Terphenyl-d14	76	(37 - 137)
Phenol-d5	61	(25 - 115)
2-Fluorophenol	66	(11 - 116)
2,4,6-Tribromophenol	38	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-614

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-030	Work Order #... : HR3891AA	Matrix..... : S0
Date Sampled... : 12/12/05 16:55	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 10	Initial Wgt/Vol: 30.01 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 9.8	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	370 J	2900	ug/kg	10
Acenaphthylene	ND	2900	ug/kg	16
Anthracene	750 J	2900	ug/kg	26
Benzo(a)anthracene	2000 J	2900	ug/kg	16
Benzo(a)pyrene	1900 J	2900	ug/kg	26
Benzo(b)fluoranthene	2400 J	2900	ug/kg	26
Benzo(ghi)perylene	1400 J	2900	ug/kg	20
Benzo(k)fluoranthene	1100 J	2900	ug/kg	26
Chrysene	2200 J	2900	ug/kg	11
Dibenz(a,h)anthracene	340 J	2900	ug/kg	17
Fluoranthene	4200	2900	ug/kg	10
Fluorene	430 J	2900	ug/kg	14
Indeno(1,2,3-cd)pyrene	1200 J	2900	ug/kg	22
2-Methylnaphthalene	470 J	2900	ug/kg	11
Naphthalene	510 J	2900	ug/kg	9.9
Phenanthrene	3100	2900	ug/kg	12
Pyrene	3200	2900	ug/kg	11

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	66 DIL	(42 - 110)
2-Fluorobiphenyl	86 DIL	(43 - 110)
Terphenyl-d14	91 DIL	(37 - 137)
Phenol-d5	76 DIL	(25 - 115)
2-Fluorophenol	81 DIL	(11 - 116)
2,4,6-Tribromophenol	77 DIL	(35 - 116)

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-615

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-031	Work Order #... : HR39A1AA	Matrix..... : S0
Date Sampled... : 12/12/05 17:00	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/19/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 6.7	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.99
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.5
Benzo(a)anthracene	ND	280	ug/kg	1.5
Benzo(a)pyrene	ND	280	ug/kg	2.5
Benzo(b)fluoranthene	ND	280	ug/kg	2.5
Benzo(ghi)perylene	ND	280	ug/kg	1.9
Benzo(k)fluoranthene	ND	280	ug/kg	2.5
Chrysene	ND	280	ug/kg	1.1
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	9.0 J	280	ug/kg	1.0
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.1
Naphthalene	ND	280	ug/kg	0.95
Phenanthrene	ND	280	ug/kg	1.2
Pyrene	ND	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	40 *	(42 - 110)
2-Fluorobiphenyl	51	(43 - 110)
Terphenyl-d14	58	(37 - 137)
Phenol-d5	46	(25 - 115)
2-Fluorophenol	49	(11 - 116)
2,4,6-Tribromophenol	47	(35 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-616

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-032	Work Order #... : HR39C1AA	Matrix..... : S0
Date Sampled... : 12/12/05 17:02	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 5.4	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	280	ug/kg	0.97
Acenaphthylene	ND	280	ug/kg	1.5
Anthracene	ND	280	ug/kg	2.4
Benzo(a)anthracene	ND	280	ug/kg	1.5
Benzo(a)pyrene	ND	280	ug/kg	2.4
Benzo(b)fluoranthene	ND	280	ug/kg	2.4
Benzo(ghi)perylene	ND	280	ug/kg	1.9
Benzo(k)fluoranthene	ND	280	ug/kg	2.4
Chrysene	ND	280	ug/kg	1.0
Dibenz(a,h)anthracene	ND	280	ug/kg	1.6
Fluoranthene	ND	280	ug/kg	0.98
Fluorene	ND	280	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	280	ug/kg	2.1
2-Methylnaphthalene	ND	280	ug/kg	1.0
Naphthalene	ND	280	ug/kg	0.94
Phenanthrene	ND	280	ug/kg	1.2
Pyrene	ND	280	ug/kg	1.1

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	56	(42 - 110)
2-Fluorobiphenyl	69	(43 - 110)
Terphenyl-d14	73	(37 - 137)
Phenol-d5	63	(25 - 115)
2-Fluorophenol	68	(11 - 116)
2,4,6-Tribromophenol	54	(35 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-617

GC/MS Semivolatiles

Lot-Sample #... : A5L140222-033	Work Order #... : HR39D1AA	Matrix..... : S0
Date Sampled... : 12/12/05 17:05	Date Received... : 12/14/05	
Prep Date..... : 12/14/05	Analysis Date... : 12/16/05	
Prep Batch #... : 5348339		
Dilution Factor: 1	Initial Wgt/Vol: 30.04 g	Final Wgt/Vol...: 2 mL
% Moisture..... : 10	Method..... : SW846 8270C	

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	290	ug/kg	1.0
Acenaphthylene	ND	290	ug/kg	1.6
Anthracene	ND	290	ug/kg	2.6
Benzo(a)anthracene	ND	290	ug/kg	1.6
Benzo(a)pyrene	ND	290	ug/kg	2.6
Benzo(b)fluoranthene	ND	290	ug/kg	2.6
Benzo(ghi)perylene	ND	290	ug/kg	2.0
Benzo(k)fluoranthene	ND	290	ug/kg	2.6
Chrysene	ND	290	ug/kg	1.1
Dibenz(a,h)anthracene	ND	290	ug/kg	1.7
Fluoranthene	ND	290	ug/kg	1.0
Fluorene	ND	290	ug/kg	1.4
Indeno(1,2,3-cd)pyrene	ND	290	ug/kg	2.2
2-Methylnaphthalene	ND	290	ug/kg	1.1
Naphthalene	ND	290	ug/kg	0.99
Phenanthrene	ND	290	ug/kg	1.2
Pyrene	ND	290	ug/kg	1.1

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	55	(42 - 110)	
2-Fluorobiphenyl	67	(43 - 110)	
Terphenyl-d14	76	(37 - 137)	
Phenol-d5	60	(25 - 115)	
2-Fluorophenol	65	(11 - 116)	
2,4,6-Tribromophenol	62	(35 - 116)	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222
MB Lot-Sample #: A5L140000-338

Work Order #...: HR4DJ1AA

Matrix.....: SOLID

Analysis Date...: 12/16/05

Prep Date.....: 12/14/05

Final Wgt/Vol...: 2 mL

Dilution Factor: 1

Prep Batch #...: 5348338

Initial Wgt/Vol: 30 g

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(42 - 110)
2-Fluorobiphenyl	69	(43 - 110)
Terphenyl-d14	80	(37 - 137)
Phenol-d5	75	(25 - 115)
2-Fluorophenol	66	(11 - 116)
2,4,6-Tribromophenol	60	(35 - 116)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222
MB Lot-Sample #: A5L140000-339

Work Order #...: HR4DN1AA

Matrix.....: SOLID

Analysis Date...: 12/16/05
Dilution Factor: 1

Prep Date.....: 12/14/05

Prep Batch #...: 5348339

Final Wgt/Vol...: 2 mL

Initial Wgt/Vol: 30 g

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(42 - 110)
2-Fluorobiphenyl	67	(43 - 110)
Terphenyl-d14	72	(37 - 137)
Phenol-d5	63	(25 - 115)
2-Fluorophenol	68	(11 - 116)
2,4,6-Tribromophenol	71	(35 - 116)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 **Work Order #...**: HR4DJ1AC **Matrix.....**: SOLID
LCS Lot-Sample#: A5L140000-338
Prep Date.....: 12/14/05 **Analysis Date...**: 12/16/05
Prep Batch #...: 5348338
Dilution Factor: 1 **Final Wgt/Vol...**: 2 mL
Initial Wgt/Vol: 30 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	670	540	ug/kg	81	SW846 8270C
Acenaphthylene	670	520	ug/kg	78	SW846 8270C
Anthracene	670	560	ug/kg	84	SW846 8270C
Benzo(a)anthracene	670	530	ug/kg	79	SW846 8270C
Benzo(a)pyrene	670	530	ug/kg	80	SW846 8270C
Benzo(b)fluoranthene	670	570	ug/kg	85	SW846 8270C
Benzo(ghi)perylene	670	540	ug/kg	82	SW846 8270C
Benzo(k)fluoranthene	670	550	ug/kg	82	SW846 8270C
Chrysene	670	540	ug/kg	80	SW846 8270C
Dibenz(a,h)anthracene	670	560	ug/kg	83	SW846 8270C
Fluoranthene	670	590	ug/kg	89	SW846 8270C
Fluorene	670	550	ug/kg	82	SW846 8270C
Indeno(1,2,3-cd)pyrene	670	560	ug/kg	83	SW846 8270C
2-Methylnaphthalene	670	500	ug/kg	75	SW846 8270C
Naphthalene	670	450	ug/kg	68	SW846 8270C
Phenanthrene	670	550	ug/kg	82	SW846 8270C
Pyrene	670	530	ug/kg	80	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(42 - 110)
2-Fluorobiphenyl	73	(43 - 110)
Terphenyl-d14	85	(37 - 137)
Phenol-d5	73	(25 - 115)
2-Fluorophenol	65	(11 - 116)
2,4,6-Tribromophenol	81	(35 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 **Work Order #...**: HR4DJ1AC **Matrix.....**: SOLID
LCS Lot-Sample#: A5L140000-338
Prep Date.....: 12/14/05 **Analysis Date...**: 12/16/05
Prep Batch #...: 5348338
Dilution Factor: 1 **Final Wgt/Vol...**: 2 mL
Initial Wgt/Vol: 30 g

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acenaphthene	81	(44 - 110)	SW846 8270C
Acenaphthylene	78	(55 - 110)	SW846 8270C
Anthracene	84	(57 - 116)	SW846 8270C
Benzo(a)anthracene	79	(56 - 110)	SW846 8270C
Benzo(a)pyrene	80	(56 - 115)	SW846 8270C
Benzo(b)fluoranthene	85	(54 - 116)	SW846 8270C
Benzo(ghi)perylene	82	(48 - 124)	SW846 8270C
Benzo(k)fluoranthene	82	(54 - 110)	SW846 8270C
Chrysene	80	(56 - 110)	SW846 8270C
Dibenz(a,h)anthracene	83	(50 - 129)	SW846 8270C
Fluoranthene	89	(57 - 118)	SW846 8270C
Fluorene	82	(57 - 110)	SW846 8270C
Indeno(1,2,3-cd)pyrene	83	(44 - 128)	SW846 8270C
2-Methylnaphthalene	75	(58 - 110)	SW846 8270C
Naphthalene	68	(59 - 110)	SW846 8270C
Phenanthrene	82	(56 - 110)	SW846 8270C
Pyrene	80	(42 - 122)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	78	(42 - 110)
2-Fluorobiphenyl	73	(43 - 110)
Terphenyl-d14	85	(37 - 137)
Phenol-d5	73	(25 - 115)
2-Fluorophenol	65	(11 - 116)
2,4,6-Tribromophenol	81	(35 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 **Work Order #...**: HR4DN1AC **Matrix.....**: SOLID
LCS Lot-Sample#: A5L140000-339
Prep Date.....: 12/14/05 **Analysis Date...**: 12/16/05
Prep Batch #...: 5348339
Dilution Factor: 1 **Final Wgt/Vol...**: 2 mL
Initial Wgt/Vol: 30 g

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	670	480	ug/kg	72	SW846 8270C
Acenaphthylene	670	480	ug/kg	72	SW846 8270C
Anthracene	670	570	ug/kg	85	SW846 8270C
Benzo(a)anthracene	670	560	ug/kg	84	SW846 8270C
Benzo(a)pyrene	670	540	ug/kg	80	SW846 8270C
Benzo(b)fluoranthene	670	690	ug/kg	103	SW846 8270C
Benzo(ghi)perylene	670	540	ug/kg	82	SW846 8270C
Benzo(k)fluoranthene	670	410	ug/kg	62	SW846 8270C
Chrysene	670	600	ug/kg	90	SW846 8270C
Dibenz(a,h)anthracene	670	530	ug/kg	80	SW846 8270C
Fluoranthene	670	570	ug/kg	86	SW846 8270C
Fluorene	670	500	ug/kg	76	SW846 8270C
Indeno(1,2,3-cd)pyrene	670	550	ug/kg	83	SW846 8270C
2-Methylnaphthalene	670	460	ug/kg	69	SW846 8270C
Naphthalene	670	430	ug/kg	64	SW846 8270C
Phenanthrene	670	570	ug/kg	85	SW846 8270C
Pyrene	670	570	ug/kg	85	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(42 - 110)
2-Fluorobiphenyl	67	(43 - 110)
Terphenyl-d14	85	(37 - 137)
Phenol-d5	61	(25 - 115)
2-Fluorophenol	68	(11 - 116)
2,4,6-Tribromophenol	79	(35 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: 5L14222 Work Order #....: HR4DN1AC Matrix.....: SOLID
 LCS Lot-Sample#: A5L140000-339
 Prep Date.....: 12/14/05 Analysis Date...: 12/16/05
 Prep Batch #....: 5348339
 Dilution Factor: 1 Final Wgt/Vol...: 2 mL
 Initial Wgt/Vol: 30 g

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	72	(44 - 110)	SW846 8270C
Acenaphthylene	72	(55 - 110)	SW846 8270C
Anthracene	85	(57 - 116)	SW846 8270C
Benzo(a)anthracene	84	(56 - 110)	SW846 8270C
Benzo(a)pyrene	80	(56 - 115)	SW846 8270C
Benzo(b)fluoranthene	103	(54 - 116)	SW846 8270C
Benzo(ghi)perylene	82	(48 - 124)	SW846 8270C
Benzo(k)fluoranthene	62	(54 - 110)	SW846 8270C
Chrysene	90	(56 - 110)	SW846 8270C
Dibenz(a,h)anthracene	80	(50 - 129)	SW846 8270C
Fluoranthene	86	(57 - 118)	SW846 8270C
Fluorene	76	(57 - 110)	SW846 8270C
Indeno(1,2,3-cd)pyrene	83	(44 - 128)	SW846 8270C
2-Methylnaphthalene	69	(58 - 110)	SW846 8270C
Naphthalene	64	(59 - 110)	SW846 8270C
Phenanthrene	85	(56 - 110)	SW846 8270C
Pyrene	85	(42 - 122)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(42 - 110)
2-Fluorobiphenyl	67	(43 - 110)
Terphenyl-d14	85	(37 - 137)
Phenol-d5	61	(25 - 115)
2-Fluorophenol	68	(11 - 116)
2,4,6-Tribromophenol	79	(35 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR3771A8-MS Matrix.....: S0
 MS Lot-Sample #: A5L140222-017 HR3771A9-MSD
 Date Sampled...: 12/12/05 13:55 Date Received...: 12/14/05
 Prep Date.....: 12/14/05 Analysis Date...: 12/16/05
 Prep Batch #...: 5348338
 Dilution Factor: 1 Initial Wgt/Vol: 30 g Final Wgt/Vol...: 2 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	730	590	ug/kg	80		SW846 8270C
	ND	730	610	ug/kg	84	4.4	SW846 8270C
Acenaphthylene	ND	730	560	ug/kg	77		SW846 8270C
	ND	730	590	ug/kg	81	5.8	SW846 8270C
Anthracene	ND	730	580	ug/kg	80		SW846 8270C
	ND	730	600	ug/kg	83	4.3	SW846 8270C
Benzo(a)anthracene	ND	730	570	ug/kg	79		SW846 8270C
	ND	730	580	ug/kg	80	1.5	SW846 8270C
Benzo(a)pyrene	ND	730	560	ug/kg	78		SW846 8270C
	ND	730	580	ug/kg	80	2.2	SW846 8270C
Benzo(b)fluoranthene	ND	730	580	ug/kg	80		SW846 8270C
	ND	730	600	ug/kg	82	2.5	SW846 8270C
Benzo(ghi)perylene	ND	730	570	ug/kg	79		SW846 8270C
	ND	730	600	ug/kg	83	4.7	SW846 8270C
Benzo(k)fluoranthene	ND	730	570	ug/kg	79		SW846 8270C
	ND	730	590	ug/kg	81	2.4	SW846 8270C
Chrysene	ND	730	570	ug/kg	79		SW846 8270C
	ND	730	580	ug/kg	80	1.6	SW846 8270C
Dibenz(a,h)anthracene	ND	730	580	ug/kg	80		SW846 8270C
	ND	730	600	ug/kg	82	2.0	SW846 8270C
Fluoranthene	ND	730	630	ug/kg	86		SW846 8270C
	ND	730	650	ug/kg	89	2.7	SW846 8270C
Fluorene	ND	730	580	ug/kg	80		SW846 8270C
	ND	730	610	ug/kg	84	5.0	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	730	590	ug/kg	81		SW846 8270C
	ND	730	610	ug/kg	84	3.6	SW846 8270C
2-Methylnaphthalene	ND	730	560	ug/kg	77		SW846 8270C
	ND	730	590	ug/kg	81	4.6	SW846 8270C
Naphthalene	ND	730	480	ug/kg	66		SW846 8270C
	ND	730	510	ug/kg	70	6.2	SW846 8270C
Phenanthrene	ND	730	580	ug/kg	80		SW846 8270C
	ND	730	620	ug/kg	85	5.9	SW846 8270C
Pyrene	ND	730	590	ug/kg	81		SW846 8270C
	ND	730	600	ug/kg	83	2.2	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	77	(42 - 110)
	81	(42 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR3771A8-MS Matrix.....: S0
MS Lot-Sample #: A5L140222-017 HR3771A9-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	72	(43 - 110)
	76	(43 - 110)
Terphenyl-d14	86	(37 - 137)
	86	(37 - 137)
Phenol-d5	72	(25 - 115)
	78	(25 - 115)
2-Fluorophenol	70	(11 - 116)
	75	(11 - 116)
2,4,6-Tribromophenol	84	(35 - 116)
	75	(35 - 116)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR3771A8-MS Matrix.....: S0
 MS Lot-Sample #: A5L140222-017 HR3771A9-MSD
 Date Sampled...: 12/12/05 13:55 Date Received...: 12/14/05
 Prep Date.....: 12/14/05 Analysis Date...: 12/16/05
 Prep Batch #...: 5348338
 Dilution Factor: 1 Initial Wgt/Vol: 30 g Final Wgt/Vol...: 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	80	(13 - 133)			SW846 8270C
	84	(13 - 133)	4.4	(0-44)	SW846 8270C
Acenaphthylene	77	(43 - 120)			SW846 8270C
	81	(43 - 120)	5.8	(0-75)	SW846 8270C
Anthracene	80	(34 - 137)			SW846 8270C
	83	(34 - 137)	4.3	(0-83)	SW846 8270C
Benzo(a)anthracene	79	(30 - 136)			SW846 8270C
	80	(30 - 136)	1.5	(0-63)	SW846 8270C
Benzo(a)pyrene	78	(28 - 142)			SW846 8270C
	80	(28 - 142)	2.2	(0-86)	SW846 8270C
Benzo(b)fluoranthene	80	(31 - 139)			SW846 8270C
	82	(31 - 139)	2.5	(0-67)	SW846 8270C
Benzo(ghi)perylene	79	(23 - 142)			SW846 8270C
	83	(23 - 142)	4.7	(0-89)	SW846 8270C
Benzo(k)fluoranthene	79	(30 - 133)			SW846 8270C
	81	(30 - 133)	2.4	(0-84)	SW846 8270C
Chrysene	79	(28 - 139)			SW846 8270C
	80	(28 - 139)	1.6	(0-63)	SW846 8270C
Dibenz(a,h)anthracene	80	(31 - 142)			SW846 8270C
	82	(31 - 142)	2.0	(0-99)	SW846 8270C
Fluoranthene	86	(25 - 150)			SW846 8270C
	89	(25 - 150)	2.7	(0-92)	SW846 8270C
Fluorene	80	(35 - 133)			SW846 8270C
	84	(35 - 133)	5.0	(0-80)	SW846 8270C
Indeno(1,2,3-cd)pyrene	81	(20 - 147)			SW846 8270C
	84	(20 - 147)	3.6	(0-73)	SW846 8270C
2-Methylnaphthalene	77	(30 - 137)			SW846 8270C
	81	(30 - 137)	4.6	(0-79)	SW846 8270C
Naphthalene	66	(31 - 138)			SW846 8270C
	70	(31 - 138)	6.2	(0-65)	SW846 8270C
Phenanthrene	80	(24 - 145)			SW846 8270C
	85	(24 - 145)	5.9	(0-81)	SW846 8270C
Pyrene	81	(10 - 218)			SW846 8270C
	83	(10 - 218)	2.2	(0-66)	SW846 8270C
<u>SURROGATE</u>		PERCENT RECOVERY		RECOVERY LIMITS	
Nitrobenzene-d5		77		(42 - 110)	
		81		(42 - 110)	

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR3771A8-MS Matrix.....: S0
MS Lot-Sample #: A5L140222-017 HR3771A9-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	72	(43 - 110)
	76	(43 - 110)
Terphenyl-d14	86	(37 - 137)
	86	(37 - 137)
Phenol-d5	72	(25 - 115)
	78	(25 - 115)
2-Fluorophenol	70	(11 - 116)
	75	(11 - 116)
2,4,6-Tribromophenol	84	(35 - 116)
	75	(35 - 116)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR38J1AM-MS Matrix.....: S0
 MS Lot-Sample #: A5L140222-021 HR38J1AN-MSD
 Date Sampled...: 12/12/05 14:40 Date Received...: 12/14/05
 Prep Date.....: 12/14/05 Analysis Date...: 12/16/05
 Prep Batch #...: 5348339
 Dilution Factor: 1 Initial Wgt/Vol: 30.2 g Final Wgt/Vol...: 2 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	43	880	670	ug/kg	71		SW846 8270C
	43	890	690	ug/kg	73	2.2	SW846 8270C
Acenaphthylene	ND	880	650	ug/kg	73		SW846 8270C
	ND	890	650	ug/kg	74	0.62	SW846 8270C
Anthracene	120	880	710	ug/kg	67		SW846 8270C
	120	890	770	ug/kg	74	8.8	SW846 8270C
Benzo(a)anthracene	430	880	1000	ug/kg	65		SW846 8270C
	430	890	1100	ug/kg	78	12	SW846 8270C
Benzo(a)pyrene	320	880	800	ug/kg	54		SW846 8270C
	320	890	850	ug/kg	60	6.6	SW846 8270C
Benzo(b)fluoranthene	520	880	1100	ug/kg	61		SW846 8270C
	520	890	1300	ug/kg	85	19	SW846 8270C
Benzo(ghi)perylene	250	880	770	ug/kg	58		SW846 8270C
	250	890	710	ug/kg	52	7.2	SW846 8270C
Benzo(k)fluoranthene	120	880	590	ug/kg	53		SW846 8270C
	120	890	650	ug/kg	60	9.6	SW846 8270C
Chrysene	490	880	800	ug/kg	34		SW846 8270C
	490	890	1100	ug/kg	64	28	SW846 8270C
Dibenz(a,h)anthracene	ND	880	550	ug/kg	62		SW846 8270C
	ND	890	540	ug/kg	61	1.3	SW846 8270C
Fluoranthene	810	880	1100	ug/kg	30		SW846 8270C
	810	890	1400	ug/kg	68	27	SW846 8270C
Fluorene	47	880	660	ug/kg	70		SW846 8270C
	47	890	680	ug/kg	71	2.6	SW846 8270C
Indeno(1,2,3-cd)pyrene	210	880	750	ug/kg	61		SW846 8270C
	210	890	660	ug/kg	51	12	SW846 8270C
2-Methylnaphthalene	ND	880	620	ug/kg	70		SW846 8270C
	ND	890	610	ug/kg	69	2.3	SW846 8270C
Naphthalene	ND	880	570	ug/kg	65		SW846 8270C
	ND	890	560	ug/kg	63	2.2	SW846 8270C
Phenanthrene	630	880	1000	ug/kg	45		SW846 8270C
	630	890	1300	ug/kg	75	23	SW846 8270C
Pyrene	640	880	980	ug/kg	38		SW846 8270C
	640	890	1200	ug/kg	66	23	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	53	(42 - 110)
	50	(42 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR38J1AM-MS Matrix.....: S0
MS Lot-Sample #: A5L140222-021 HR38J1AN-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	70	(43 - 110)
	68	(43 - 110)
Terphenyl-d14	74	(37 - 137)
	74	(37 - 137)
Phenol-d5	61	(25 - 115)
	61	(25 - 115)
2-Fluorophenol	65	(11 - 116)
	61	(11 - 116)
2,4,6-Tribromophenol	78	(35 - 116)
	73	(35 - 116)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR38J1AM-MS Matrix.....: S0
 MS Lot-Sample #: A5L140222-021 HR38J1AN-MSD
 Date Sampled...: 12/12/05 14:40 Date Received...: 12/14/05
 Prep Date.....: 12/14/05 Analysis Date...: 12/16/05
 Prep Batch #...: 5348339
 Dilution Factor: 1 Initial Wgt/Vol: 30.2 g Final Wgt/Vol...: 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	71	(13 - 133)			SW846 8270C
	73	(13 - 133)	2.2	(0-44)	SW846 8270C
Acenaphthylene	73	(43 - 120)			SW846 8270C
	74	(43 - 120)	0.62	(0-75)	SW846 8270C
Anthracene	67	(34 - 137)			SW846 8270C
	74	(34 - 137)	8.8	(0-83)	SW846 8270C
Benzo(a)anthracene	65	(30 - 136)			SW846 8270C
	78	(30 - 136)	12	(0-63)	SW846 8270C
Benzo(a)pyrene	54	(28 - 142)			SW846 8270C
	60	(28 - 142)	6.6	(0-86)	SW846 8270C
Benzo(b)fluoranthene	61	(31 - 139)			SW846 8270C
	85	(31 - 139)	19	(0-67)	SW846 8270C
Benzo(ghi)perylene	58	(23 - 142)			SW846 8270C
	52	(23 - 142)	7.2	(0-89)	SW846 8270C
Benzo(k)fluoranthene	53	(30 - 133)			SW846 8270C
	60	(30 - 133)	9.6	(0-84)	SW846 8270C
Chrysene	34	(28 - 139)			SW846 8270C
	64	(28 - 139)	28	(0-63)	SW846 8270C
Dibenz(a,h)anthracene	62	(31 - 142)			SW846 8270C
	61	(31 - 142)	1.3	(0-99)	SW846 8270C
Fluoranthene	30	(25 - 150)			SW846 8270C
	68	(25 - 150)	27	(0-92)	SW846 8270C
Fluorene	70	(35 - 133)			SW846 8270C
	71	(35 - 133)	2.6	(0-80)	SW846 8270C
Indeno(1,2,3-cd)pyrene	61	(20 - 147)			SW846 8270C
	51	(20 - 147)	12	(0-73)	SW846 8270C
2-Methylnaphthalene	70	(30 - 137)			SW846 8270C
	69	(30 - 137)	2.3	(0-79)	SW846 8270C
Naphthalene	65	(31 - 138)			SW846 8270C
	63	(31 - 138)	2.2	(0-65)	SW846 8270C
Phenanthrene	45	(24 - 145)			SW846 8270C
	75	(24 - 145)	23	(0-81)	SW846 8270C
Pyrene	38	(10 - 218)			SW846 8270C
	66	(10 - 218)	23	(0-66)	SW846 8270C
<u>SURROGATE</u>		PERCENT <u>RECOVERY</u>		RECOVERY <u>LIMITS</u>	
Nitrobenzene-d5		53		(42 - 110)	
		50		(42 - 110)	

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: 5L14222 Work Order #...: HR38J1AM-MS Matrix.....: S0
MS Lot-Sample #: A5L140222-021 HR38J1AN-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	70	(43 - 110)
	68	(43 - 110)
Terphenyl-d14	74	(37 - 137)
	74	(37 - 137)
Phenol-d5	61	(25 - 115)
	61	(25 - 115)
2-Fluorophenol	65	(11 - 116)
	61	(11 - 116)
2,4,6-Tribromophenol	78	(35 - 116)
	73	(35 - 116)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

METALS DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-585

TOTAL Metals

Lot-Sample #... A5L140222-001

Matrix..... S0

Date Sampled... 12/12/05 10:35 **Date Received...** 12/14/05

% Moisture..... 1.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.41	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AE
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.29		
Arsenic	0.64	0.41	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AG
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.35		
Barium	19.7	0.81	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AD
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.20		
Cadmium	0.051 B	0.081	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AF
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.027		
Chromium	14.4	0.41	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AJ
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.13		
Mercury	ND	0.041	mg/kg	SW846 7471A	12/15/05	HR36E1AC
		Dilution Factor: 1		Analysis Time... 12:51	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.013		
Lead	50.9	0.24	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AK
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.24		
Selenium	ND	0.41	mg/kg	SW846 6010B	12/15-12/16/05	HR36E1AH
		Dilution Factor: 1		Analysis Time... 03:10	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.30		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-586

TOTAL Metals

Lot-Sample #... A5L140222-002

Matrix..... S0

Date Sampled... 12/12/05 10:40 **Date Received...** 12/14/05

% Moisture..... 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	31.1	9.1	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AE
		Dilution Factor: 20		Analysis Time... 08:27	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 6.6		
Arsenic	29.4	9.1	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AG
		Dilution Factor: 20		Analysis Time... 08:27	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 7.7		
Barium	559	0.91	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AD
		Dilution Factor: 1		Analysis Time... 03:14	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 0.23		
Cadmium	38.1	1.8	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AF
		Dilution Factor: 20		Analysis Time... 08:27	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 0.61		
Chromium	4970	9.1	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AJ
		Dilution Factor: 20		Analysis Time... 08:27	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 3.0		
Mercury	ND	0.045	mg/kg	SW846 7471A	12/15/05	HR37E1AC
		Dilution Factor: 1		Analysis Time... 12:52	Analyst ID.....: 001086	
		Instrument ID... H1		MDL.....: 0.015		
Lead	3710	5.4	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AK
		Dilution Factor: 20		Analysis Time... 08:27	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 5.4		
Selenium	ND G	9.1	mg/kg	SW846 6010B	12/15-12/16/05	HR37E1AH
		Dilution Factor: 20		Analysis Time... 08:27	Analyst ID.....: 001644	
		Instrument ID... I5		MDL.....: 6.8		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-587

TOTAL Metals

Lot-Sample #... A5L140222-003

Matrix..... S0

Date Sampled... 12/12/05 10:45 **Date Received...** 12/14/05

% Moisture..... 6.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AE
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		
Arsenic	1.1	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AG
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	14.8	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AD
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	0.10	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AF
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.029		
Chromium	46.3	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AJ
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR37F1AC
		Dilution Factor: 1		Analysis Time... 12:56	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	18.5	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AK
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37F1AH
		Dilution Factor: 1		Analysis Time... 03:19	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-588

TOTAL Metals

Lot-Sample #... A5L140222-004

Matrix..... S0

Date Sampled... 12/12/05 10:47 **Date Received...** 12/14/05

% Moisture..... 5.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AE
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		
Arsenic	1.6	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AG
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	6.4	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AD
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	0.057 B	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AF
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.029		
Chromium	12.0	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AJ
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.042	mg/kg	SW846 7471A	12/15/05	HR37G1AC
		Dilution Factor: 1		Analysis Time... 12:57	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	10.3	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AK
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.25		
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37G1AH
		Dilution Factor: 1		Analysis Time... 03:23	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-589

TOTAL Metals

Lot-Sample #... A5L140222-005

Matrix..... S0

Date Sampled... 12/12/05 10:50 **Date Received...** 12/14/05

% Moisture..... 4.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AE
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.30		
Arsenic	1.2	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AG
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	4.3	0.84	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AD
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	ND	0.084	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AF
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.028		
Chromium	11.1	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AJ
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	0.017 B	0.042	mg/kg	SW846 7471A	12/15/05	HR37J1AC
		Dilution Factor: 1		Analysis Time... 12:58	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	4.6	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AK
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.25		
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37J1AH
		Dilution Factor: 1		Analysis Time... 03:28	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-590

TOTAL Metals

Lot-Sample #... A5L140222-006

Matrix..... S0

Date Sampled... 12/12/05 10:55 **Date Received...** 12/14/05

% Moisture..... 6.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AE
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		
Arsenic	0.80	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AG
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	6.6	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AD
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	0.037 B	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AF
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.029		
Chromium	9.3	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AJ
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	0.020 B	0.043	mg/kg	SW846 7471A	12/15/05	HR37L1AC
		Dilution Factor: 1		Analysis Time... 12:59	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	5.6	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AK
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37L1AH
		Dilution Factor: 1		Analysis Time... 03:33	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-591

TOTAL Metals

Lot-Sample #... A5L140222-007

Matrix..... S0

Date Sampled... 12/12/05 11:35 **Date Received...** 12/14/05

% Moisture..... 4.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AE
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.30		
Arsenic	1.9	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AG
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.35		
Barium	13.7	0.83	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AD
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	0.069 B	0.083	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AF
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.028		
Chromium	7.4	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AJ
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.042	mg/kg	SW846 7471A	12/15/05	HR37N1AC
		Dilution Factor: 1		Analysis Time... 13:00	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	5.2	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AK
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.25		
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37N1AH
		Dilution Factor: 1		Analysis Time... 03:37	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-592

TOTAL Metals

Lot-Sample #... A5L140222-008

Matrix.....: S0

Date Sampled... 12/12/05 11:40 **Date Received...** 12/14/05

% Moisture.....: 7.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AE
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.31
Arsenic	0.90	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AG
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.37
Barium	6.5	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AD
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.22
Cadmium	ND	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AF
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.029
Chromium	4.8	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AJ
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.14
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR37P1AC
		Dilution Factor: 1		Analysis Time... 13:02	Analyst ID.....:	001086
		Instrument ID... H1		MDL.....:		0.014
Lead	1.6	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AK
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.26
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37P1AH
		Dilution Factor: 1		Analysis Time... 03:42	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.32

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-593

TOTAL Metals

Lot-Sample #... A5L140222-009

Matrix..... S0

Date Sampled... 12/12/05 11:50 **Date Received...** 12/14/05

% Moisture..... 6.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AE
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		
Arsenic	0.53	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AG
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	4.6	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AD
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	ND	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AF
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.029		
Chromium	3.3	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AJ
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR37Q1AC
		Dilution Factor: 1		Analysis Time... 13:03	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	0.99	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AK
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37Q1AH
		Dilution Factor: 1		Analysis Time... 03:59	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-594

TOTAL Metals

Lot-Sample #... A5L140222-010

Matrix..... S0

Date Sampled... 12/12/05 12:20 **Date Received...** 12/14/05

% Moisture..... 5.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AE
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		
Arsenic	1.5	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AG
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	33.6	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AD
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	0.13	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AF
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.029		
Chromium	6.3	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AJ
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.042	mg/kg	SW846 7471A	12/15/05	HR37T1AC
		Dilution Factor: 1		Analysis Time... 13:04	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	7.6	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AK
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.25		
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37T1AH
		Dilution Factor: 1		Analysis Time... 04:04	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-595

TOTAL Metals

Lot-Sample #... A5L140222-011

Matrix.....: S0

Date Sampled... 12/12/05 12:30 **Date Received...** 12/14/05

% Moisture.....: 5.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AE
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.31
Arsenic	1.0	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AG
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.36
Barium	5.7	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AD
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.21
Cadmium	ND	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AF
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.029
Chromium	5.8	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AJ
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.14
Mercury	ND	0.042	mg/kg	SW846 7471A	12/15/05	HR37V1AC
		Dilution Factor: 1		Analysis Time... 13:05	Analyst ID.....:	001086
		Instrument ID... H1		MDL.....:		0.014
Lead	2.0	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AK
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.25
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37V1AH
		Dilution Factor: 1		Analysis Time... 04:08	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.32

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-596

TOTAL Metals

Lot-Sample #... A5L140222-012

Matrix..... S0

Date Sampled... 12/12/05 12:35 **Date Received...** 12/14/05

% Moisture..... 4.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AE
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.30		
Arsenic	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AG
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.36		
Barium	3.2	0.84	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AD
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.21		
Cadmium	ND	0.084	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AF
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.028		
Chromium	3.0	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AJ
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.042	mg/kg	SW846 7471A	12/15/05	HR37W1AC
		Dilution Factor: 1		Analysis Time... 13:06	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	1.2	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AK
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.25		
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR37W1AH
		Dilution Factor: 1		Analysis Time... 04:13	Analyst ID.....	001644
		Instrument ID... I5		MDL..... 0.31		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-597

TOTAL Metals

Lot-Sample #... A5L140222-013

Matrix.....: S0

Date Sampled... 12/12/05 13:30 **Date Received...** 12/14/05

% Moisture.....: 7.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349026						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AE
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.31
Arsenic	2.9	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AG
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.37
Barium	88.0	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AD
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.22
Cadmium	0.58	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AF
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.029
Chromium	15.1	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AJ
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.14
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR37X1AC
		Dilution Factor: 1		Analysis Time... 13:10	Analyst ID.....:	001086
		Instrument ID... H1		MDL.....:		0.014
Lead	24.8	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AK
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.26
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR37X1AH
		Dilution Factor: 1		Analysis Time... 04:18	Analyst ID.....:	001644
		Instrument ID... I5		MDL.....:		0.32

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-598

TOTAL Metals

Lot-Sample #... A5L140222-014

Matrix.....: S0

Date Sampled... 12/12/05 13:40 **Date Received...** 12/14/05

% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.46	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AE
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.33
Arsenic	3.2	0.46	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AG
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.39
Barium	64.8	0.91	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AD
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.23
Cadmium	0.37	0.091	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AF
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.031
Chromium	13.2	0.46	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AJ
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.15
Mercury	ND	0.046	mg/kg	SW846 7471A	12/15/05	HR3701AC
		Dilution Factor: 1		Analysis Time... 13:17	Analyst ID.....:	001086
		Instrument ID... H1		MDL.....:		0.015
Lead	17.5	0.27	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AK
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.27
Selenium	ND	0.46	mg/kg	SW846 6010B	12/15-12/16/05	HR3701AH
		Dilution Factor: 1		Analysis Time... 19:16	Analyst ID.....:	001637
		Instrument ID... I5		MDL.....:		0.34

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-599

TOTAL Metals

Lot-Sample #... A5L140222-015

Matrix..... S0

Date Sampled... 12/12/05 13:45 **Date Received...** 12/14/05

% Moisture..... 6.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AE
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.31		
Arsenic	0.72	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AG
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.37		
Barium	8.1	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AD
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.21		
Cadmium	ND	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AF
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.029		
Chromium	3.9	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AJ
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR3721AC
		Dilution Factor: 1		Analysis Time... 13:18	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	2.9	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AK
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3721AH
		Dilution Factor: 1		Analysis Time... 19:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-600

TOTAL Metals

Lot-Sample #... A5L140222-016

Matrix..... S0

Date Sampled... 12/12/05 13:50 **Date Received...** 12/14/05

% Moisture..... 8.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AE
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		
Arsenic	1.8	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AG
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.37		
Barium	9.4	0.87	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AD
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.22		
Cadmium	ND	0.087	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AF
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.029		
Chromium	9.2	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AJ
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	ND	0.044	mg/kg	SW846 7471A	12/15/05	HR3731AC
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	3.0	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AK
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.26		
Selenium	ND	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3731AH
		Dilution Factor: 1		Analysis Time..: 19:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-601

TOTAL Metals

Lot-Sample #... A5L140222-017

Matrix..... S0

Date Sampled... 12/12/05 13:55 **Date Received...** 12/14/05

% Moisture..... 8.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3771AL
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.32		
Arsenic	0.84	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3771AT
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.37		
Barium	7.5	0.87	mg/kg	SW846 6010B	12/15-12/16/05	HR3771AH
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.22		
Cadmium	0.037 B	0.087	mg/kg	SW846 6010B	12/15-12/16/05	HR3771AP
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.029		
Chromium	6.2	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3771A1
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.044	mg/kg	SW846 7471A	12/15/05	HR3771AE
		Dilution Factor: 1		Analysis Time... 13:21	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	2.6	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR3771A4
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3771AW
		Dilution Factor: 1		Analysis Time... 19:34	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-602

TOTAL Metals

Lot-Sample #... A5L140222-018

Matrix..... S0

Date Sampled... 12/12/05 14:25 **Date Received...** 12/14/05

% Moisture..... 6.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AE
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.31		
Arsenic	5.3	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AG
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.36		
Barium	66.4	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AD
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.21		
Cadmium	0.56	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AF
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.029		
Chromium	24.5	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AJ
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	0.033 B	0.043	mg/kg	SW846 7471A	12/15/05	HR38D1AC
		Dilution Factor: 1		Analysis Time..: 13:33	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	39.6	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AK
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.26		
Selenium	0.48	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38D1AH
		Dilution Factor: 1		Analysis Time..: 19:48	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-603

TOTAL Metals

Lot-Sample #... A5L140222-019

Matrix..... S0

Date Sampled... 12/12/05 14:30 **Date Received...** 12/14/05

% Moisture..... 6.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AE
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.31		
Arsenic	2.6	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AG
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.36		
Barium	81.3	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AD
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.21		
Cadmium	0.41	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AF
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.029		
Chromium	21.4	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AJ
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.14		
Mercury	0.028 B	0.043	mg/kg	SW846 7471A	12/15/05	HR38F1AC
		Dilution Factor: 1		Analysis Time... 13:35	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	235	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AK
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38F1AH
		Dilution Factor: 1		Analysis Time... 19:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-604

TOTAL Metals

Lot-Sample #... A5L140222-020

Matrix.....: S0

Date Sampled... 12/12/05 14:35 **Date Received...** 12/14/05

% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	15.3	4.5	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AE
		Dilution Factor: 10		Analysis Time... 20:15	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 3.3		
Arsenic	23.7	4.5	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AG
		Dilution Factor: 10		Analysis Time... 20:15	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 3.8		
Barium	472	0.90	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AD
		Dilution Factor: 1		Analysis Time... 20:10	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.22		
Cadmium	7.8	0.90	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AF
		Dilution Factor: 10		Analysis Time... 20:15	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.30		
Chromium	2800	0.45	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AJ
		Dilution Factor: 1		Analysis Time... 20:10	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.15		
Mercury	0.015 B	0.045	mg/kg	SW846 7471A	12/15/05	HR38H1AC
		Dilution Factor: 1		Analysis Time... 13:36	Analyst ID.....: 001086	
		Instrument ID... H1		MDL.....: 0.015		
Lead	5410	2.7	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AK
		Dilution Factor: 10		Analysis Time... 20:15	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 2.7		
Selenium	ND G	4.5	mg/kg	SW846 6010B	12/15-12/16/05	HR38H1AH
		Dilution Factor: 10		Analysis Time... 20:15	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 3.4		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-605

TOTAL Metals

Lot-Sample #... A5L140222-021

Matrix..... S0

Date Sampled... 12/12/05 14:40 **Date Received...** 12/14/05

% Moisture..... 25

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	5.2	0.53	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AE
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.39		
Arsenic	5.8	0.53	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AG
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.45		
Barium	175	1.1	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AD
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.27		
Cadmium	2.5	0.11	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AF
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.036		
Chromium	768	0.53	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AJ
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.17		
Mercury	0.024 B	0.053	mg/kg	SW846 7471A	12/15/05	HR38J1AC
		Dilution Factor: 1		Analysis Time..: 13:39	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.017		
Lead	371	0.32	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AK
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		
Selenium	0.77	0.53	mg/kg	SW846 6010B	12/15-12/16/05	HR38J1AH
		Dilution Factor: 1		Analysis Time..: 20:20	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.40		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-606

TOTAL Metals

Lot-Sample #... A5L140222-022

Matrix..... S0

Date Sampled... 12/12/05 14:45 **Date Received...** 12/14/05

% Moisture..... 7.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AE
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.31		
Arsenic	1.2	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AG
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.37		
Barium	14.5	0.87	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AD
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.22		
Cadmium	ND	0.087	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AF
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.029		
Chromium	8.4	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AJ
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR38N1AC
		Dilution Factor: 1		Analysis Time... 13:41	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	4.0	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AK
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38N1AH
		Dilution Factor: 1		Analysis Time... 20:25	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-607

TOTAL Metals

Lot-Sample #... A5L140222-023

Matrix..... S0

Date Sampled... 12/12/05 15:25 **Date Received...** 12/14/05

% Moisture..... 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	1.5	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AE
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.34		
Arsenic	18.5	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AG
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.40		
Barium	608	0.94	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AD
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.23		
Cadmium	4.5	0.094	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AF
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.032		
Chromium	577	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AJ
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.15		
Mercury	0.18	0.047	mg/kg	SW846 7471A	12/15/05	HR38R1AC
		Dilution Factor: 1		Analysis Time..: 13:42	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.015		
Lead	575	0.28	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AK
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.28		
Selenium	1.7	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR38R1AH
		Dilution Factor: 1		Analysis Time..: 20:29	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.35		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-608

TOTAL Metals

Lot-Sample #... A5L140222-024

Matrix..... S0

Date Sampled... 12/12/05 15:30 **Date Received...** 12/14/05

% Moisture..... 7.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AE
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.31		
Arsenic	4.3	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AG
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.37		
Barium	287	0.87	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AD
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.22		
Cadmium	0.39	0.087	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AF
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.029		
Chromium	49.1	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AJ
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	0.044	0.043	mg/kg	SW846 7471A	12/15/05	HR38T1AC
		Dilution Factor: 1		Analysis Time..: 13:43	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	46.0	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AK
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.26		
Selenium	0.36 B	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR38T1AH
		Dilution Factor: 1		Analysis Time..: 20:34	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-609

TOTAL Metals

Lot-Sample #... A5L140222-025

Matrix..... S0

Date Sampled... 12/12/05 15:35 **Date Received...** 12/14/05

% Moisture..... 8.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #... 5349027						
Silver	ND G	4.4	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AE
		Dilution Factor: 10		Analysis Time... 20:44	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 3.2		
Arsenic	22.4	4.4	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AG
		Dilution Factor: 10		Analysis Time... 20:44	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 3.7		
Barium	21.6	0.87	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AD
		Dilution Factor: 1		Analysis Time... 20:38	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.22		
Cadmium	0.77 B,G	0.87	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AF
		Dilution Factor: 10		Analysis Time... 20:44	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.29		
Chromium	184	4.4	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AJ
		Dilution Factor: 10		Analysis Time... 20:44	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 1.4		
Mercury	ND	0.044	mg/kg	SW846 7471A	12/15/05	HR38W1AC
		Dilution Factor: 1		Analysis Time... 13:44	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	24.0	2.6	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AK
		Dilution Factor: 10		Analysis Time... 20:44	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 2.6		
Selenium	ND G	4.4	mg/kg	SW846 6010B	12/15-12/16/05	HR38W1AH
		Dilution Factor: 10		Analysis Time... 20:44	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 3.3		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-610

TOTAL Metals

Lot-Sample #... A5L140222-026

Matrix..... S0

Date Sampled... 12/12/05 15:40 **Date Received...** 12/14/05

% Moisture..... 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AE
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.34		
Arsenic	1.2	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AG
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.40		
Barium	13.4	0.94	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AD
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.23		
Cadmium	0.058 B	0.094	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AF
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.032		
Chromium	8.6	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AJ
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.15		
Mercury	ND	0.047	mg/kg	SW846 7471A	12/15/05	HR3801AC
		Dilution Factor: 1		Analysis Time... 13:27	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.015		
Lead	4.7	0.28	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AK
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.28		
Selenium	ND	0.47	mg/kg	SW846 6010B	12/15-12/16/05	HR3801AH
		Dilution Factor: 1		Analysis Time... 20:48	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.35		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-611

TOTAL Metals

Lot-Sample #... A5L140222-027

Matrix..... S0

Date Sampled... 12/12/05 15:45 **Date Received...** 12/14/05

% Moisture..... 6.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AE
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.31		
Arsenic	0.73	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AG
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.36		
Barium	4.7	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AD
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.21		
Cadmium	ND	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AF
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.029		
Chromium	5.9	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AJ
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR3821AC
		Dilution Factor: 1		Analysis Time... 13:28	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	3.2	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AK
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3821AH
		Dilution Factor: 1		Analysis Time... 20:53	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-612

TOTAL Metals

Lot-Sample #... A5L140222-028

Matrix..... S0

Date Sampled... 12/12/05 16:45 **Date Received...** 12/14/05

% Moisture..... 6.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AE
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.31		
Arsenic	2.3	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AG
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.36		
Barium	17.8	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AD
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.21		
Cadmium	0.21	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AF
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.029		
Chromium	26.0	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AJ
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	0.016 B	0.043	mg/kg	SW846 7471A	12/15/05	HR3841AC
		Dilution Factor: 1		Analysis Time..: 13:29	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	8.6	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AK
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3841AH
		Dilution Factor: 1		Analysis Time..: 21:10	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-613

TOTAL Metals

Lot-Sample #... A5L140222-029

Matrix.....: S0

Date Sampled... 12/12/05 16:50 **Date Received...** 12/14/05

% Moisture.....: 6.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AE
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.31		
Arsenic	2.2	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AG
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.36		
Barium	13.7	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AD
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.21		
Cadmium	0.16	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AF
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.029		
Chromium	12.1	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AJ
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	0.022 B	0.043	mg/kg	SW846 7471A	12/15/05	HR3871AC
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	6.8	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AK
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR3871AH
		Dilution Factor: 1		Analysis Time..: 21:15	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-614

TOTAL Metals

Lot-Sample #... A5L140222-030

Matrix.....: S0

Date Sampled... 12/12/05 16:55 **Date Received...** 12/14/05

% Moisture.....: 9.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	3.0	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AE
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.32		
Arsenic	5.4	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AG
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.38		
Barium	91.1	0.89	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AD
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.22		
Cadmium	2.3	0.089	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AF
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.030		
Chromium	341	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AJ
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.14		
Mercury	0.017 B	0.044	mg/kg	SW846 7471A	12/15/05	HR3891AC
		Dilution Factor: 1		Analysis Time... 13:32	Analyst ID.....: 001086	
		Instrument ID... H1		MDL.....: 0.014		
Lead	75.2	0.27	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AK
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.27		
Selenium	0.60	0.44	mg/kg	SW846 6010B	12/15-12/16/05	HR3891AH
		Dilution Factor: 1		Analysis Time... 21:19	Analyst ID.....: 001637	
		Instrument ID... I5		MDL.....: 0.33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-615

TOTAL Metals

Lot-Sample #... A5L140222-031

Matrix..... S0

Date Sampled... 12/12/05 17:00 **Date Received...** 12/14/05

% Moisture..... 6.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AE
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.31		
Arsenic	1.2	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AG
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.36		
Barium	7.4	0.86	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AD
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.21		
Cadmium	ND	0.086	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AF
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.029		
Chromium	4.8	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AJ
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	ND	0.043	mg/kg	SW846 7471A	12/15/05	HR39A1AC
		Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	1.8	0.26	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AK
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.26		
Selenium	ND	0.43	mg/kg	SW846 6010B	12/15-12/16/05	HR39A1AH
		Dilution Factor: 1		Analysis Time..: 21:24	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-616

TOTAL Metals

Lot-Sample #... A5L140222-032

Matrix..... S0

Date Sampled... 12/12/05 17:02 **Date Received...** 12/14/05

% Moisture..... 5.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AE
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.31		
Arsenic	1.0	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AG
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.36		
Barium	3.7	0.85	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AD
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.21		
Cadmium	ND	0.085	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AF
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.029		
Chromium	4.2	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AJ
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.14		
Mercury	ND	0.042	mg/kg	SW846 7471A	12/15/05	HR39C1AC
		Dilution Factor: 1		Analysis Time... 13:47	Analyst ID.....	001086
		Instrument ID... H1		MDL..... 0.014		
Lead	1.9	0.25	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AK
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.25		
Selenium	ND	0.42	mg/kg	SW846 6010B	12/15-12/16/05	HR39C1AH
		Dilution Factor: 1		Analysis Time... 21:28	Analyst ID.....	001637
		Instrument ID... I5		MDL..... 0.32		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-617

TOTAL Metals

Lot-Sample #... A5L140222-033

Matrix..... S0

Date Sampled... 12/12/05 17:05 **Date Received...** 12/14/05

% Moisture..... 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #... 5349027						
Silver	ND	0.45	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AE
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.32		
Arsenic	0.68	0.45	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AG
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.38		
Barium	5.0	0.89	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AD
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.22		
Cadmium	0.034 B	0.089	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AF
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.030		
Chromium	3.8	0.45	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AJ
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.14		
Mercury	0.024 B	0.045	mg/kg	SW846 7471A	12/15/05	HR39D1AC
		Dilution Factor: 1		Analysis Time..: 13:48	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.014		
Lead	1.9	0.27	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AK
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.27		
Selenium	ND	0.45	mg/kg	SW846 6010B	12/15-12/16/05	HR39D1AH
		Dilution Factor: 1		Analysis Time..: 21:33	Analyst ID.....: 001637	
		Instrument ID..: I5		MDL.....: 0.33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A5L150000-026 Prep Batch #...: 5349026						
Arsenic	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1CD
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	
Barium	ND	0.80	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1A9
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	
Cadmium	ND	0.080	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1CC
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	
Chromium	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1CF
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	
Lead	ND	0.24	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1CG
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	
Mercury	ND	0.040	mg/kg	SW846 7471A	12/15/05	HR5NM1A8
		Dilution Factor: 1				
		Analysis Time...: 12:41		Analyst ID.....: 001086	Instrument ID...: H1	
Selenium	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1CE
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	
Silver	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NM1CA
		Dilution Factor: 1				
		Analysis Time...: 02:19		Analyst ID.....: 001644	Instrument ID...: I5	

MB Lot-Sample #: A5L150000-027 Prep Batch #...: 5349027						
Arsenic	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AF
		Dilution Factor: 1				
		Analysis Time...: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	
Barium	ND	0.80	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AC
		Dilution Factor: 1				
		Analysis Time...: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Cadmium	ND	0.080	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AE
		Dilution Factor: 1				
		Analysis Time..: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	
Chromium	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AH
		Dilution Factor: 1				
		Analysis Time..: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	
Lead	ND	0.24	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	
Mercury	ND	0.040	mg/kg	SW846 7471A	12/15/05	HR5NP1AA
		Dilution Factor: 1				
		Analysis Time..: 13:15		Analyst ID.....: 001086	Instrument ID...: H1	
Selenium	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AG
		Dilution Factor: 1				
		Analysis Time..: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	
Silver	ND	0.40	mg/kg	SW846 6010B	12/15-12/16/05	HR5NP1AD
		Dilution Factor: 1				
		Analysis Time..: 18:54		Analyst ID.....: 001637	Instrument ID...: I5	

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5L150000-026 Prep Batch #... 5349026							
Arsenic	200	173	mg/kg	86	SW846 6010B	12/15-12/16/05	HR5NM1AT
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
Cadmium	5.0	4.5	mg/kg	90	SW846 6010B	12/15-12/16/05	HR5NM1AU
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
Lead	50.0	45.3	mg/kg	91	SW846 6010B	12/15-12/16/05	HR5NM1AV
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
Selenium	200	178	mg/kg	89	SW846 6010B	12/15-12/16/05	HR5NM1AW
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
Silver	5.0	5.0	mg/kg	101	SW846 6010B	12/15-12/16/05	HR5NM1AX
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
Chromium	20.0	18.1	mg/kg	90	SW846 6010B	12/15-12/16/05	HR5NM1A0
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
Mercury	0.83	0.74	mg/kg	89	SW846 7471A	12/15/05	HR5NM1A7
			Dilution Factor: 1		Analysis Time...: 12:42		Analyst ID.....: 001086
			Instrument ID...: H1				
Barium	200	178	mg/kg	89	SW846 6010B	12/15-12/16/05	HR5NM1CL
			Dilution Factor: 1		Analysis Time...: 02:23		Analyst ID.....: 001644
			Instrument ID...: I5				
LCS Lot-Sample#: A5L150000-027 Prep Batch #... 5349027							
Mercury	0.83	0.79	mg/kg	94	SW846 7471A	12/15/05	HR5NP1AK
			Dilution Factor: 1		Analysis Time...: 13:16		Analyst ID.....: 001086
			Instrument ID...: H1				
Barium	200	184	mg/kg	92	SW846 6010B	12/15-12/16/05	HR5NP1AL
			Dilution Factor: 1		Analysis Time...: 19:11		Analyst ID.....: 001637
			Instrument ID...: I5				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	5.0	5.1	mg/kg	101	SW846 6010B	12/15-12/16/05	HR5NP1AM
			Dilution Factor: 1		Analysis Time..: 19:11	Analyst ID.....: 001637	
			Instrument ID..: I5				
Cadmium	5.0	4.6	mg/kg	93	SW846 6010B	12/15-12/16/05	HR5NP1AN
			Dilution Factor: 1		Analysis Time..: 19:11	Analyst ID.....: 001637	
			Instrument ID..: I5				
Arsenic	200	176	mg/kg	88	SW846 6010B	12/15-12/16/05	HR5NP1AP
			Dilution Factor: 1		Analysis Time..: 19:11	Analyst ID.....: 001637	
			Instrument ID..: I5				
Selenium	200	186	mg/kg	93	SW846 6010B	12/15-12/16/05	HR5NP1AQ
			Dilution Factor: 1		Analysis Time..: 19:11	Analyst ID.....: 001637	
			Instrument ID..: I5				
Chromium	20.0	18.9	mg/kg	95	SW846 6010B	12/15-12/16/05	HR5NP1AR
			Dilution Factor: 1		Analysis Time..: 19:11	Analyst ID.....: 001637	
			Instrument ID..: I5				
Lead	50.0	47.2	mg/kg	94	SW846 6010B	12/15-12/16/05	HR5NP1AT
			Dilution Factor: 1		Analysis Time..: 19:11	Analyst ID.....: 001637	
			Instrument ID..: I5				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5L150000-026 Prep Batch #... 5349026					
Arsenic	86	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1AT
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
Cadmium	90	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1AU
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
Lead	91	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1AV
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
Selenium	89	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1AW
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
Silver	101	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1AX
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
Chromium	90	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1A0
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
Mercury	89	(73 - 123)	SW846 7471A	12/15/05	HR5NM1A7
		Dilution Factor: 1	Analysis Time..: 12:42	Analyst ID.....: 001086	
		Instrument ID...: H1			
Barium	89	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NM1CL
		Dilution Factor: 1	Analysis Time..: 02:23	Analyst ID.....: 001644	
		Instrument ID...: I5			
LCS Lot-Sample#: A5L150000-027 Prep Batch #... 5349027					
Mercury	94	(73 - 123)	SW846 7471A	12/15/05	HR5NP1AK
		Dilution Factor: 1	Analysis Time..: 13:16	Analyst ID.....: 001086	
		Instrument ID...: H1			
Barium	92	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AL
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID...: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Silver	101	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AM
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID..: I5			
Cadmium	93	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AN
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID..: I5			
Arsenic	88	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AP
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID..: I5			
Selenium	93	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AQ
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID..: I5			
Chromium	95	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AR
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID..: I5			
Lead	94	(80 - 120)	SW846 6010B	12/15-12/16/05	HR5NP1AT
		Dilution Factor: 1	Analysis Time..: 19:11	Analyst ID.....: 001637	
		Instrument ID..: I5			

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

Date Sampled...: 12/13/05 17:10 Date Received...: 12/14/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #

MS Lot-Sample #: A5L140150-004 Prep Batch #...: 5349026

% Moisture.....: 15

Arsenic

8.7	236	212	mg/kg	86			SW846 6010B	12/15-12/16/05	HR3FT1DG
8.7	236	195	mg/kg	79	8.0		SW846 6010B	12/15-12/16/05	HR3FT1DH
				Dilution Factor: 1					
				Analysis Time...: 03:00	Instrument ID...: I5		Analyst ID.....: 001644		

Barium

56.4	236	263	mg/kg	87			SW846 6010B	12/15-12/16/05	HR3FT1C6
56.4	236	263	mg/kg	88	0.08		SW846 6010B	12/15-12/16/05	HR3FT1C7
				Dilution Factor: 1					
				Analysis Time...: 03:00	Instrument ID...: I5		Analyst ID.....: 001644		

Cadmium

0.33	5.9	4.8	mg/kg	76			SW846 6010B	12/15-12/16/05	HR3FT1DD
0.33	5.9	4.9	mg/kg	78	1.8		SW846 6010B	12/15-12/16/05	HR3FT1DE
				Dilution Factor: 1					
				Analysis Time...: 03:00	Instrument ID...: I5		Analyst ID.....: 001644		

Chromium

13.5	23.6	35.8	mg/kg	95			SW846 6010B	12/15-12/16/05	HR3FT1DN
13.5	23.6	37.0	mg/kg	100	3.2		SW846 6010B	12/15-12/16/05	HR3FT1DP
				Dilution Factor: 1					
				Analysis Time...: 03:00	Instrument ID...: I5		Analyst ID.....: 001644		

Lead

16.3	58.9	70.7	mg/kg	92			SW846 6010B	12/15-12/16/05	HR3FT1DR
16.3	58.9	75.2	mg/kg	100	6.1		SW846 6010B	12/15-12/16/05	HR3FT1DT
				Dilution Factor: 1					
				Analysis Time...: 03:00	Instrument ID...: I5		Analyst ID.....: 001644		

Mercury

0.10	0.20	0.25	mg/kg	74			SW846 7471A	12/15/05	HR3FT1C3
0.10	0.20	0.23	mg/kg	64	7.9		SW846 7471A	12/15/05	HR3FT1C4
				Dilution Factor: 1					
				Analysis Time...: 12:49	Instrument ID...: H1		Analyst ID.....: 001086		

Selenium

ND	236	184	mg/kg	78			SW846 6010B	12/15-12/16/05	HR3FT1DK
ND	236	190	mg/kg	81	3.0		SW846 6010B	12/15-12/16/05	HR3FT1DL
				Dilution Factor: 1					
				Analysis Time...: 03:00	Instrument ID...: I5		Analyst ID.....: 001644		

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

Date Sampled...: 12/13/05 17:10 Date Received...: 12/14/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	ND	5.9	5.6	mg/kg	95		SW846 6010B	12/15-12/16/05	HR3FT1C9
	ND	5.9	5.6	mg/kg	95	0.52	SW846 6010B	12/15-12/16/05	HR3FT1DA
				Dilution Factor: 1					
				Analysis Time...: 03:00		Instrument ID...: I5		Analyst ID.....: 001644	

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: SOLID

Date Sampled...: 12/13/05 17:10 Date Received...: 12/14/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5L140150-004 Prep Batch #...: 5349026						
					% Moisture.....: 15	
Arsenic	86	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1DG
	79	(75 - 125) 8.0 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1DH
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	
Barium	87	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1C6
	88	(75 - 125) 0.08 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1C7
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	
Cadmium	76	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1DD
	78	(75 - 125) 1.8 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1DE
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	
Chromium	95	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1DN
	100	(75 - 125) 3.2 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1DP
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	
Lead	92	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1DR
	100	(75 - 125) 6.1 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1DT
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	
Mercury	74	(10 - 199)		SW846 7471A	12/15/05	HR3FT1C3
	64	(10 - 199) 7.9 (0-50)		SW846 7471A	12/15/05	HR3FT1C4
Dilution Factor: 1						
Analysis Time...: 12:49			Instrument ID...: H1		Analyst ID.....: 001086	
Selenium	78	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1DK
	81	(75 - 125) 3.0 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1DL
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	
Silver	95	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3FT1C9
	95	(75 - 125) 0.52 (0-20)		SW846 6010B	12/15-12/16/05	HR3FT1DA
Dilution Factor: 1						
Analysis Time...: 03:00			Instrument ID...: I5		Analyst ID.....: 001644	

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: S0

Date Sampled...: 12/12/05 13:55 Date Received...: 12/14/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #

MS Lot-Sample #: A5L140222-017 Prep Batch #...: 5349027

Arsenic

0.84	218	190	mg/kg	87			SW846 6010B	12/15-12/16/05	HR3771AU
0.84	218	181	mg/kg	83	4.8		SW846 6010B	12/15-12/16/05	HR3771AV
				Dilution Factor: 1					
				Analysis Time...: 19:39	Instrument ID...: I5		Analyst ID.....: 001637		

Barium

7.5	218	209	mg/kg	92			SW846 6010B	12/15-12/16/05	HR3771AJ
7.5	218	198	mg/kg	87	5.1		SW846 6010B	12/15-12/16/05	HR3771AK
				Dilution Factor: 1					
				Analysis Time...: 19:39	Instrument ID...: I5		Analyst ID.....: 001637		

Cadmium

0.037	5.5	4.9	mg/kg	89			SW846 6010B	12/15-12/16/05	HR3771AQ
0.037	5.5	4.7	mg/kg	85	4.7		SW846 6010B	12/15-12/16/05	HR3771AR
				Dilution Factor: 1					
				Analysis Time...: 19:39	Instrument ID...: I5		Analyst ID.....: 001637		

Chromium

6.2	21.8	27.3	mg/kg	97			SW846 6010B	12/15-12/16/05	HR3771A2
6.2	21.8	26.7	mg/kg	94	2.4		SW846 6010B	12/15-12/16/05	HR3771A3
				Dilution Factor: 1					
				Analysis Time...: 19:39	Instrument ID...: I5		Analyst ID.....: 001637		

Lead

2.6	54.6	52.5	mg/kg	91			SW846 6010B	12/15-12/16/05	HR3771A5
2.6	54.6	51.3	mg/kg	89	2.2		SW846 6010B	12/15-12/16/05	HR3771A6
				Dilution Factor: 1					
				Analysis Time...: 19:39	Instrument ID...: I5		Analyst ID.....: 001637		

Mercury

ND	0.18	0.20	mg/kg	111			SW846 7471A	12/15/05	HR3771AF
ND	0.18	0.20	mg/kg	108	3.5		SW846 7471A	12/15/05	HR3771AG
				Dilution Factor: 1					
				Analysis Time...: 13:25	Instrument ID...: H1		Analyst ID.....: 001086		

Selenium

ND	218	197	mg/kg	90			SW846 6010B	12/15-12/16/05	HR3771AX
ND	218	188	mg/kg	86	4.5		SW846 6010B	12/15-12/16/05	HR3771A0
				Dilution Factor: 1					
				Analysis Time...: 19:39	Instrument ID...: I5		Analyst ID.....: 001637		

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: S0

Date Sampled...: 12/12/05 13:55 Date Received...: 12/14/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	ND	5.5	5.4	mg/kg	99		SW846 6010B	12/15-12/16/05	HR3771AM
	ND	5.5	5.1	mg/kg	94	5.4	SW846 6010B	12/15-12/16/05	HR3771AN
Dilution Factor: 1									
Analysis Time...: 19:39					Instrument ID...: I5		Analyst ID.....: 001637		

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: 5L14222

Matrix.....: S0

Date Sampled...: 12/12/05 13:55 Date Received...: 12/14/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5L140222-017 Prep Batch #...: 5349027						
Arsenic	87	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771AU
	83	(75 - 125) 4.8 (0-20)		SW846 6010B	12/15-12/16/05	HR3771AV
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637
Barium	92	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771AJ
	87	(75 - 125) 5.1 (0-20)		SW846 6010B	12/15-12/16/05	HR3771AK
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637
Cadmium	89	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771AQ
	85	(75 - 125) 4.7 (0-20)		SW846 6010B	12/15-12/16/05	HR3771AR
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637
Chromium	97	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771A2
	94	(75 - 125) 2.4 (0-20)		SW846 6010B	12/15-12/16/05	HR3771A3
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637
Lead	91	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771A5
	89	(75 - 125) 2.2 (0-20)		SW846 6010B	12/15-12/16/05	HR3771A6
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637
Mercury	111	(10 - 199)		SW846 7471A	12/15/05	HR3771AF
	108	(10 - 199) 3.5 (0-50)		SW846 7471A	12/15/05	HR3771AG
		Dilution Factor: 1				
		Analysis Time...: 13:25		Instrument ID...: H1		Analyst ID.....: 001086
Selenium	90	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771AX
	86	(75 - 125) 4.5 (0-20)		SW846 6010B	12/15-12/16/05	HR3771A0
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637
Silver	99	(75 - 125)		SW846 6010B	12/15-12/16/05	HR3771AM
	94	(75 - 125) 5.4 (0-20)		SW846 6010B	12/15-12/16/05	HR3771AN
		Dilution Factor: 1				
		Analysis Time...: 19:39		Instrument ID...: I5		Analyst ID.....: 001637

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

GENERAL CHEMISTRY DATA

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-585

General Chemistry

Lot-Sample #...: A5L140222-001 Work Order #...: HR36E Matrix.....: S0
Date Sampled...: 12/12/05 10:35 Date Received...: 12/14/05
% Moisture.....: 1.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	98.5	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-586

General Chemistry

Lot-Sample #...: A5L140222-002 Work Order #...: HR37E Matrix.....: S0
Date Sampled...: 12/12/05 10:40 Date Received...: 12/14/05
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	88.1	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-587

General Chemistry

Lot-Sample #...: A5L140222-003 Work Order #...: HR37F Matrix.....: S0
Date Sampled...: 12/12/05 10:45 Date Received...: 12/14/05
% Moisture.....: 6.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-588

General Chemistry

Lot-Sample #...: A5L140222-004 Work Order #...: HR37G Matrix.....: S0
Date Sampled...: 12/12/05 10:47 Date Received...: 12/14/05
% Moisture.....: 5.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.5	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-589

General Chemistry

Lot-Sample #...: A5L140222-005 Work Order #...: HR37J Matrix.....: S0
Date Sampled...: 12/12/05 10:50 Date Received...: 12/14/05
% Moisture.....: 4.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-590

General Chemistry

Lot-Sample #...: A5L140222-006 Work Order #...: HR37L Matrix.....: S0
Date Sampled...: 12/12/05 10:55 Date Received...: 12/14/05
% Moisture.....: 6.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	93.6	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-591

General Chemistry

Lot-Sample #...: A5L140222-007 Work Order #...: HR37N Matrix.....: S0
Date Sampled...: 12/12/05 11:35 Date Received...: 12/14/05
% Moisture.....: 4.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	96.0	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-592

General Chemistry

Lot-Sample #...: A5L140222-008 Work Order #...: HR37P Matrix.....: S0
Date Sampled...: 12/12/05 11:40 Date Received...: 12/14/05
% Moisture.....: 7.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	92.5	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-593

General Chemistry

Lot-Sample #...: A5L140222-009 Work Order #...: HR37Q Matrix.....: S0
Date Sampled...: 12/12/05 11:50 Date Received...: 12/14/05
% Moisture.....: 6.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.8	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-594

General Chemistry

Lot-Sample #...: A5L140222-010 Work Order #...: HR37T Matrix.....: S0
Date Sampled...: 12/12/05 12:20 Date Received...: 12/14/05
% Moisture.....: 5.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-595

General Chemistry

Lot-Sample #...: A5L140222-011 Work Order #...: HR37V Matrix.....: S0
Date Sampled...: 12/12/05 12:30 Date Received...: 12/14/05
% Moisture.....: 5.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	94.3	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-596

General Chemistry

Lot-Sample #...: A5L140222-012 Work Order #...: HR37W Matrix.....: S0
Date Sampled...: 12/12/05 12:35 Date Received...: 12/14/05
% Moisture.....: 4.5

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.5	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-597

General Chemistry

Lot-Sample #...: A5L140222-013 Work Order #...: HR37X Matrix.....: S0
Date Sampled...: 12/12/05 13:30 Date Received...: 12/14/05
% Moisture.....: 7.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.0	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-598

General Chemistry

Lot-Sample #...: A5L140222-014 Work Order #...: HR370 Matrix.....: S0
Date Sampled...: 12/12/05 13:40 Date Received...: 12/14/05
% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	87.6	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-599

General Chemistry

Lot-Sample #...: A5L140222-015 Work Order #...: HR372 Matrix.....: S0
Date Sampled...: 12/12/05 13:45 Date Received...: 12/14/05
% Moisture.....: 6.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	93.1	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-600

General Chemistry

Lot-Sample #...: A5L140222-016 Work Order #...: HR373 Matrix.....: S0
Date Sampled...: 12/12/05 13:50 Date Received...: 12/14/05
% Moisture.....: 8.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-601

General Chemistry

Lot-Sample #...: A5L140222-017 Work Order #...: HR377 Matrix.....: S0
Date Sampled...: 12/12/05 13:55 Date Received...: 12/14/05
% Moisture.....: 8.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-602

General Chemistry

Lot-Sample #...: A5L140222-018 Work Order #...: HR38D Matrix.....: S0
Date Sampled...: 12/12/05 14:25 Date Received...: 12/14/05
% Moisture.....: 6.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-603

General Chemistry

Lot-Sample #...: A5L140222-019 Work Order #...: HR38F Matrix.....: S0
Date Sampled...: 12/12/05 14:30 Date Received...: 12/14/05
% Moisture.....: 6.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-604

General Chemistry

Lot-Sample #...: A5L140222-020 Work Order #...: HR38H Matrix.....: S0
Date Sampled...: 12/12/05 14:35 Date Received...: 12/14/05
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	89.1	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-605

General Chemistry

Lot-Sample #...: A5L140222-021 Work Order #...: HR38J Matrix.....: S0
Date Sampled...: 12/12/05 14:40 Date Received...: 12/14/05
% Moisture.....: 25

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	74.9	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-606

General Chemistry

Lot-Sample #...: A5L140222-022 Work Order #...: HR38N Matrix.....: S0
Date Sampled...: 12/12/05 14:45 Date Received...: 12/14/05
% Moisture.....: 7.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	92.2	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-607

General Chemistry

Lot-Sample #...: A5L140222-023 Work Order #...: HR38R Matrix.....: S0
Date Sampled...: 12/12/05 15:25 Date Received...: 12/14/05
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	85.3	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-608

General Chemistry

Lot-Sample #...: A5L140222-024 Work Order #...: HR38T Matrix.....: S0
Date Sampled...: 12/12/05 15:30 Date Received...: 12/14/05
% Moisture.....: 7.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	92.4	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-609

General Chemistry

Lot-Sample #...: A5L140222-025 Work Order #...: HR38W Matrix.....: S0
Date Sampled...: 12/12/05 15:35 Date Received...: 12/14/05
% Moisture.....: 8.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	91.5	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-610

General Chemistry

Lot-Sample #...: A5L140222-026 Work Order #...: HR380 Matrix.....: S0
Date Sampled...: 12/12/05 15:40 Date Received...: 12/14/05
% Moisture.....: 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	85.2	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-611

General Chemistry

Lot-Sample #...: A5L140222-027 Work Order #...: HR382 Matrix.....: S0
Date Sampled...: 12/12/05 15:45 Date Received...: 12/14/05
% Moisture.....: 6.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.2	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-612

General Chemistry

Lot-Sample #...: A5L140222-028 Work Order #...: HR384 Matrix.....: S0
Date Sampled...: 12/12/05 16:45 Date Received...: 12/14/05
% Moisture.....: 6.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-613

General Chemistry

Lot-Sample #...: A5L140222-029 Work Order #...: HR387 Matrix.....: S0
Date Sampled...: 12/12/05 16:50 Date Received...: 12/14/05
% Moisture.....: 6.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-614

General Chemistry

Lot-Sample #...: A5L140222-030 Work Order #...: HR389 Matrix.....: S0
Date Sampled...: 12/12/05 16:55 Date Received...: 12/14/05
% Moisture.....: 9.8

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	90.2	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-615

General Chemistry

Lot-Sample #...: A5L140222-031 Work Order #...: HR39A Matrix.....: S0
Date Sampled...: 12/12/05 17:00 Date Received...: 12/14/05
% Moisture.....: 6.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-616

General Chemistry

Lot-Sample #...: A5L140222-032 Work Order #...: HR39C Matrix.....: S0
Date Sampled...: 12/12/05 17:02 Date Received...: 12/14/05
% Moisture.....: 5.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	94.7	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-121205-DCR-617

General Chemistry

Lot-Sample #...: A5L140222-033 Work Order #...: HR39D Matrix.....: S0
Date Sampled...: 12/12/05 17:05 Date Received...: 12/14/05
% Moisture.....: 10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	89.8	10.0	%	MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1		MDL.....: 10.0		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 5L14222

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	ND	Work Order #: HR5RR1AA 10.0	%	MB Lot-Sample #: A5L150000-069 MCAWW 160.3 MOD	12/14-12/15/05	5349069
		Dilution Factor: 1				
Percent Solids	ND	Work Order #: HR5R01AA 10.0	%	MB Lot-Sample #: A5L150000-071 MCAWW 160.3 MOD	12/14-12/15/05	5349071
		Dilution Factor: 1				

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L140222

Work Order #...: HR36E-SMP
HR36E-DUP

Matrix.....: S0

Date Sampled...: 12/12/05 10:35

Date Received...: 12/14/05

% Moisture.....: 1.5

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	98.5	98.1	%	0.35	(0-20)	SD Lot-Sample #: A5L140222-001 MCAWW 160.3 MOD	12/14-12/15/05	5349069

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L140222

Work Order #...: HR377-SMP
HR377-DUP

Matrix.....: S0

Date Sampled...: 12/12/05 13:55

Date Received...: 12/14/05

% Moisture.....: 8.4

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	91.6	92.6	%	1.1	(0-20)	SD Lot-Sample #: A5L140222-017 MCAWW 160.3 MOD	12/14-12/15/05	5349069

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L140222

Work Order #...: HR38J-SMP
HR38J-DUP

Matrix.....: S0

Date Sampled...: 12/12/05 14:40

Date Received...: 12/14/05

% Moisture.....: 25

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	74.9	73.0	%	2.5	(0-20)	SD Lot-Sample #: A5L140222-021 MCAWW 160.3 MOD	12/14-12/15/05	5349071

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A5L140222

Work Order #...: HR4DP-SMP
HR4DP-DUP

Matrix.....: SOLID

Date Sampled...: 12/14/05 10:40

Date Received...: 12/14/05

% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	84.3	86.5	%	2.6	(0-20)	SD Lot-Sample #: A5L140229-004 MCAWW 160.3 MOD	12/14-12/15/05	5349071

Dilution Factor: 1

END OF REPORT

ATTACHMENT D

DATA VALIDATION MEMORANDUM



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO:	Gary Klepper	REF.	17360
		NO.:	
FROM:	Kathy Shaw/dy/2/CT <i>[Signature]</i>	DATE:	March 23, 2006
RE:	Data Quality Assessment and Validation 2005 Second Soil Investigation General Motors Grand Rapids MFD Site - Grand Rapids, Michigan	SSOW:	17307-030002

The following details a quality assessment and validation of the analytical data resulting from the December 12, 2005, collection of 31 soil and two (2) quality control samples from the General Motors Grand Rapids MFD Site in Grand Rapids, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Severn Trent Laboratories in North Canton, Ohio (STL) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999;
- ii. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", EPA-540/R-94/013, February 1994.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

The following elements are addressed in this memorandum with qualification if necessary in the identified tables:

	Data Review Element	Qualification Table
1	Sample Quantitation	NA
2	Sample Preservation and Holding Times	NA
3	Method Blank Samples	NA
4	Surrogate Compounds - Organic Analyses	Table 3
5	Matrix Spike/Matrix Spike Duplicate Analyses	NA
6	Laboratory Control Sample Analysis/Laboratory Control Duplicate	NA
7	Field Quality Assurance/Quality Control	NA

Sample Quantitation

The laboratory reported detected concentrations of polynuclear aromatics (PNA) and metals below the laboratory's report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J" or a "B" for PNA and metals respectively. These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum. The laboratory "B" flags may be disregarded.

The PNA sample analysis resulted in a number of concentrations reported in excess of the calibration range, which were flagged by the laboratory with an "E". These concentrations should be qualified as estimated (J) concentrations and should not be reported. The analytes with concentrations in excess of the calibration range were reanalyzed at appropriate dilutions; these values should be reported.

Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2. Samples were prepared and/or analyzed within the specified holding time periods. The samples were shipped and maintained in accordance with the sample preservation requirements.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

The Method blank samples were reported to be free from detectable levels of target analytes, indicating no additional laboratory-attributable contamination occurred.

Surrogate Compounds – Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

The surrogate recovery acceptance criteria were met for all samples that could be evaluated with the exception of samples presented with qualifiers in Table 3.

Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods and the NFG, which require recoveries between 75 to 125 percent with RPDs less than 35 percent for soil samples. The sample selected for MS/MSD analysis is identified in Table 1. The MS/MSD percent recoveries and associated RPD acceptance criteria were met.

Laboratory Control Sample/Laboratory Control Duplicate Analysis

The laboratory control sample and laboratory control duplicate (LCS/LCD) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS/LCD percent recoveries were evaluated against method and laboratory established control limits. The LCS/LCD percent recoveries were within the laboratory control limits or did not warrant qualification, indicating that an acceptable level of overall performance was achieved.

Laboratory precision was verified by the relative percent difference (RPD) of the LCS/LCD when a matrix spike/matrix spike duplicate was not analyzed. The RPDs were within the laboratory control limits, indicating that an acceptable level of overall laboratory precision was achieved.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of two (2) field duplicate sample sets. Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 100 percent for soil samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is two times the RL value for soil samples. Table 4 presents the RPDs of detected analytes in duplicate sample sets. The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision based on the provided information and may be used with the qualifications noted.

TABLE 1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
2005 SECOND SOIL INVESTIGATION
GENERAL MOTORS GRAND RAPIDS MFD SITE
GRAND RAPIDS, MICHIGAN

Sample Identification	Sample Location	Sample Depth Start - (ft-bgs) - End		Matrix	QC Sample	<u>Parameters</u>	
						PNA	RCRA Metals
SO-17360-121205-DCR-585	SB25-05	0	2	Soil		X	X
SO-17360-121205-DCR-586	SB25-05	2	4	Soil		X	X
SO-17360-121205-DCR-587	SB25-05	4	6	Soil		X	X
SO-17360-121205-DCR-588	SB25-05	6	8	Soil		X	X
SO-17360-121205-DCR-589	SB25-05	6	8	Soil	Duplicate (588)	X	X
SO-17360-121205-DCR-590	SB25-05	8	10	Soil		X	X
SO-17360-121205-DCR-591	SB24-05	0	2	Soil		X	X
SO-17360-121205-DCR-592	SB24-05	4	6	Soil		X	X
SO-17360-121205-DCR-593	SB24-05	8	10	Soil		X	X
SO-17360-121205-DCR-594	SB23-05	0	2	Soil		X	X
SO-17360-121205-DCR-595	SB23-05	4	6	Soil		X	X
SO-17360-121205-DCR-596	SB23-05	8	10	Soil		X	X
SO-17360-121205-DCR-597	SB22-05	0	2	Soil		X	X
SO-17360-121205-DCR-598	SB22-05	2	4	Soil		X	X
SO-17360-121205-DCR-599	SB22-05	4	6	Soil		X	X
SO-17360-121205-DCR-600	SB22-05	6	8	Soil		X	X
SO-17360-121205-DCR-601	SB22-05	8	10	Soil	MS/MSD	X	X
SO-17360-121205-DCR-602	SB21-05	0	2	Soil		X	X
SO-17360-121205-DCR-603	SB21-05	2	4	Soil		X	X
SO-17360-121205-DCR-604	SB21-05	4	6	Soil		X	X
SO-17360-121205-DCR-605	SB21-05	6	8	Soil		X	X
SO-17360-121205-DCR-606	SB21-05	8	10	Soil		X	X
SO-17360-121205-DCR-607	SB20-05	0	2	Soil		X	X
SO-17360-121205-DCR-608	SB20-05	2	4	Soil		X	X
SO-17360-121205-DCR-609	SB20-05	4	6	Soil		X	X
SO-17360-121205-DCR-610	SB20-05	6	8	Soil		X	X
SO-17360-121205-DCR-611	SB20-05	8	10	Soil		X	X
SO-17360-121205-DCR-612	SB19-05	0	2	Soil		X	X
SO-17360-121205-DCR-613	SB19-05	0	2	Soil	Duplicate (612)	X	X
SO-17360-121205-DCR-614	SB19-05	2	4	Soil		X	X
SO-17360-121205-DCR-615	SB19-05	4	6	Soil		X	X
SO-17360-121205-DCR-616	SB19-05	6	8	Soil		X	X
SO-17360-121205-DCR-617	SB19-05	8	10	Soil		X	X

Notes:

PNA- Polynuclear Aromatics

RCRA - Resource Conservation Recovery Act

QC - Quality Control

MS/MSD - Matrix Spike/ Matrix Splice Duplicate

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
2005 SECOND SOIL INVESTIGATION
GENERATL MOTORES GRAND RAPIDS MFD SITE
GRAND RAPIDS, MICHIGAN

<i>Parameter</i>	<i>Method</i>	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
PNA	SW-846 8270C	Soil	- 14 days from sample collection to extraction - 40 days from extraction to completion of analysis	iced, 4 ± 2° C
RCRA Metals		Soil	- 180 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
Arsenic	SW-846 6010B			
Barium	SW-846 6010B			
Cadmium	SW-846 6010B			
Chromium Total	SW-846 6010B			
Lead	SW-846 6010B			
Selenium	SW-846 6010B			
Silver	SW-846 6010B			
Mercury	SW-846 7471A	Soil	- 28 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", 3rd Edition, and Promulgated updates, November 1986				

TABLE 3

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VIOLATION OF SURROGATE RECOVERY ACCEPTANCE CRITERIA
2005 SECOND SOIL INVESTIGATION
GENERAL MOTORS GRAND RAPIDS MFD SITE
GRAND RAPIDS, MICHIGAN

Parameter	Surrogate	Surrogate Recovery (percent)	Control Limits (percent)	Sample ID	Analytes	Sample Results	Units	Qualifier
PNA	2,4,6-Tribromophenol	32	33-116	SO-17360-121205-DCR-602	2-Methylnaphthalene	130	µg/kg	J
					Acenaphthene	180	µg/kg	J
					Acenaphthylene	26	µg/kg	J
					Anthracene	570	µg/kg	J
					Benzo(g,h,i)perylene	1300	µg/kg	J
					Benzo(k)fluoranthene	820	µg/kg	J
					Dibenz(a,h)anthracene	430	µg/kg	J
					Fluorene	260	µg/kg	J
					Indeno(1,2,3-cd)pyrene	1100	µg/kg	J
					Naphthalene	92	µg/kg	J
PNA	2,4,6-Tribromophenol	31	33-116	SO-17360-121205-DCR-602	Benzo(a)anthracene	2100	µg/kg	J
					Benzo(a)pyrene	2000	µg/kg	J
					Benzo(b)fluoranthene	3000	µg/kg	J
					Chrysene	2600	µg/kg	J
					Fluoranthene	3100	µg/kg	J
					Phenanthrene	2200	µg/kg	J
					Pyrene	2600	µg/kg	J
PNA	2,4,6-Tribromophenol	33	33-116	SO-17360-121205-DCR-612	2-Methylnaphthalene	11	µg/kg	J
					Acenaphthene	280 U	µg/kg	UJ
					Acenaphthylene	280 U	µg/kg	UJ
					Anthracene	23	µg/kg	J
					Benzo(a)anthracene	160	µg/kg	J
					Benzo(a)pyrene	180	µg/kg	J
					Benzo(b)fluoranthene	230	µg/kg	J
					Benzo(g,h,i)perylene	140	µg/kg	J
					Benzo(k)fluoranthene	70	µg/kg	J
					Chrysene	170	µg/kg	J
					Dibenz(a,h)anthracene	37	µg/kg	J
					Fluoranthene	250	µg/kg	J
					Fluorene	280 U	µg/kg	UJ
					Indeno(1,2,3-cd)pyrene	120	µg/kg	J
					Naphthalene	7.5	µg/kg	J
					Phenanthrene	98	µg/kg	J

TABLE 3

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VIOLATION OF SURROGATE RECOVERY ACCEPTANCE CRITERIA
2005 SECOND SOIL INVESTIGATION
GENERAL MOTORS GRAND RAPIDS MFD SITE
GRAND RAPIDS, MICHIGAN

<i>Parameter</i>	<i>Surrogate</i>	<i>Surrogate Recovery (percent)</i>	<i>Control Limits (percent)</i>	<i>Sample ID</i>	<i>Analytes</i>	<i>Sample Results</i>	<i>Units</i>	<i>Qualifier</i>
PNA	Nitrobenzene-d5	40	42-110	SO-17360-121205-DCR-615	Pyrene	210	µg/kg	J
					2-Methylnaphthalene	280 U	µg/kg	UJ
					Acenaphthene	280 U	µg/kg	UJ
					Acenaphthylene	280 U	µg/kg	UJ
					Anthracene	280 U	µg/kg	UJ
					Benzo(a)anthracene	280 U	µg/kg	UJ
					Benzo(a)pyrene	280 U	µg/kg	UJ
					Benzo(b)fluoranthene	280 U	µg/kg	UJ
					Benzo(g,h,i)perylene	280 U	µg/kg	UJ
					Benzo(k)fluoranthene	280 U	µg/kg	UJ
					Chrysene	280 U	µg/kg	UJ
					Dibenz(a,h)anthracene	280 U	µg/kg	UJ
					Fluoranthene	9.0 J	µg/kg	J
					Fluorene	280 U	µg/kg	UJ
					Indeno(1,2,3-cd)pyrene	280 U	µg/kg	UJ
					Naphthalene	280 U	µg/kg	UJ
					Phenanthrene	280 U	µg/kg	UJ
					Pyrene	280 U	µg/kg	UJ

Notes:

- J - Estimated Concentration
 UJ - Estimated Report Limit
 U - Not present at or above the associated value

TABLE 4

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS
2005 SECOND SOIL INVESTIGATION
GENERAL MOTORS GRAND RAPIDS MFD SITE
GRAND RAPIDS, MICHIGAN

Parameter	Analyte	Original Sample ID	Original Result	Duplicate Sample ID	Duplicate Result	RPD	Units
PNA	Anthracene	SO-17360-121205-DCR-588	280 U	SO-17360-121205-DCR-589	7.6 J	NC	µg/kg
	Benzo(a)anthracene		21 J		32 J	42	µg/kg
	Benzo(a)pyrene		15 J		26 J	54	µg/kg
	Benzo(b)fluoranthene		26 J		38 J	38	µg/kg
	Benzo(g,h,i)perylene		11 J		17 J	43	µg/kg
	Benzo(k)fluoranthene		9.2 J		18 J	65	µg/kg
	Chrysene		24 J		33 J	32	µg/kg
	Fluoranthene		46 J		68 J	39	µg/kg
	Indeno(1,2,3-cd)pyrene		9.5 J		16 J	51	µg/kg
	Phenanthrene		33 J		44 J	29	µg/kg
	Pyrene		34 J		47 J	32	µg/kg
	Arsenic		1.6		1.2	29	µg/kg
	Barium		6.4		4.3	39	µg/kg
RCRA Metals	Cadmium		0.057 J		0.084 U	NC	µg/kg
	Chromium Total		12.0		11.1	7.8	µg/kg
	Lead		10.3		4.6	77	µg/kg
	Mercury		0.042 U		0.017 J	NC	µg/kg
PNA	2-Methylnaphthalene	SO-17360-121205-DCR-612	11 J	SO-17360-121205-DCR-613	13 J	17	µg/kg
	Anthracene		23 J		23 J	0	µg/kg
	Benzo(a)anthracene		160 J		130 J	21	µg/kg
	Benzo(a)pyrene		180 J		130 J	32	µg/kg
	Benzo(b)fluoranthene		230 J		200 J	14	µg/kg
	Benzo(g,h,i)perylene		140 J		95 J	38	µg/kg
	Benzo(k)fluoranthene		70 J		71 J	1.4	µg/kg
	Chrysene		170 J		130 J	27	µg/kg
	Dibenz(a,h)anthracene		37 J		261 J	35	µg/kg
	Fluoranthene		250 J		210 J	17	µg/kg
	Fluorene		280 U		7.3 J	NC	µg/kg
	Indeno(1,2,3-cd)pyrene		120 J		84 J	35	µg/kg
	Naphthalene		7.5 J		11 J	38	µg/kg
	Phenanthrene		98 J		90 J	8.5	µg/kg
	Pyrene		210 J		180 J	15	µg/kg

TABLE 4

SUMMARY OF DETECTED ANALYTES IN FIELD DUPLICATE SAMPLE SETS
2005 SECOND SOIL INVESTIGATION
GENERAL MOTORS GRAND RAPIDS MFD SITE
GRAND RAPIDS, MICHIGAN

Parameter	Analyte	Original Sample ID	Original Result	Duplicate Sample ID	Duplicate Result	RPD	Units
RCRA Metals	Arsenic	SO-17360-121205-DCR-612	2.3	SO-17360-121205-DCR-613	2.2	4.4	µg/kg
	Barium		17.8		13.7	26	µg/kg
	Cadmium		0.21		0.16	27	µg/kg
	Chromium Total		26.0		12.1	73	µg/kg
	Lead		8.6		6.8	23	µg/kg
	Mercury		0.016 J		0.022 J	32	µg/kg

Notes:

RPD Relative Percent Difference

NC - Not calculable

J - Estimated Concentration

U - Not present at or above the associated value



**CONESTOGA-ROVERS
& ASSOCIATES**

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MEMORANDUM

TO: Kurt Blizzard/GM ENCORE

REF. NO.: 017360-70

FROM: Gary Klepper/^{BEM}Kevin Kowalk/53/Lan.
GKK

DATE: October 26, 2007

C.C.: Scott Murto/GM

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

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

1.0 INTRODUCTION/BACKGROUND

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

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

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

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

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

2.0 SCOPE OF WORK

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

2.1 SOIL BORING ADVANCEMENT

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

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

2.2 SOIL SAMPLE COLLECTION

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

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

3.0 RESULTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

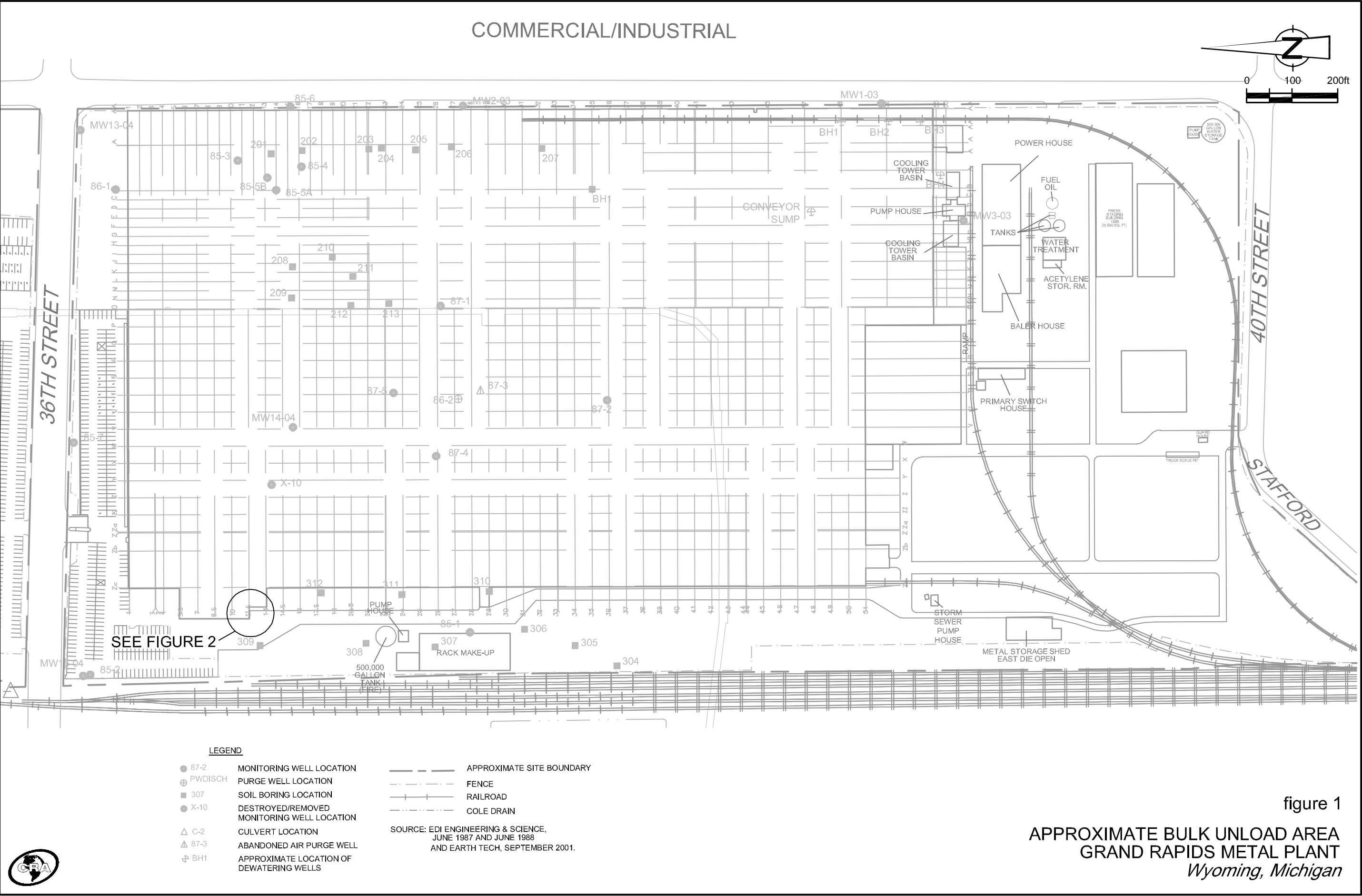
Benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the Part 201 Residential DCC in the soil sample collected from SB27 (at 0 to 2 ft bgs). Fluoranthene was also detected above the Part 201 Residential GSIC in the soil sample collected from SB27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

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

4.0 CONCLUSIONS AND RECOMMENDATIONS

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

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



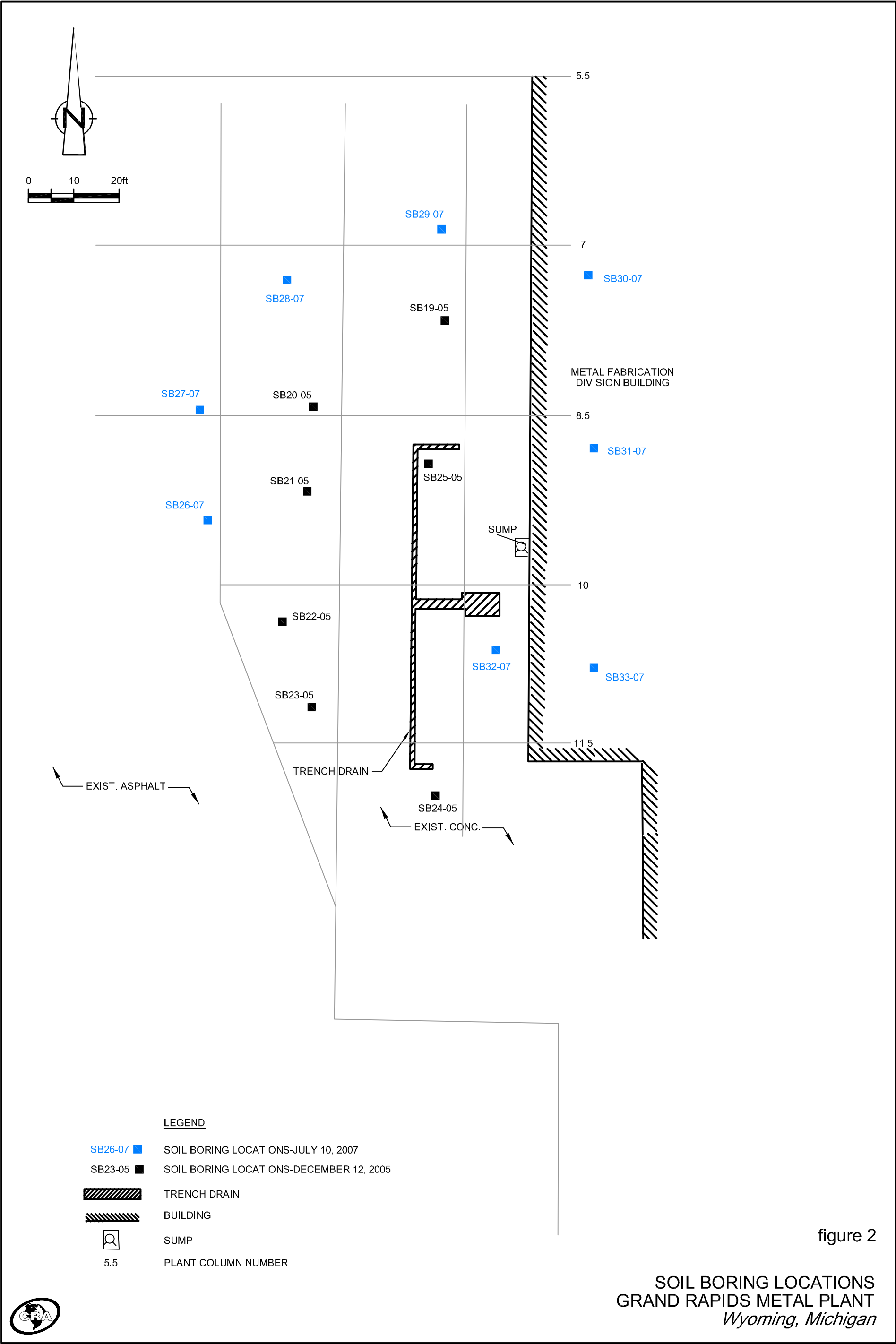
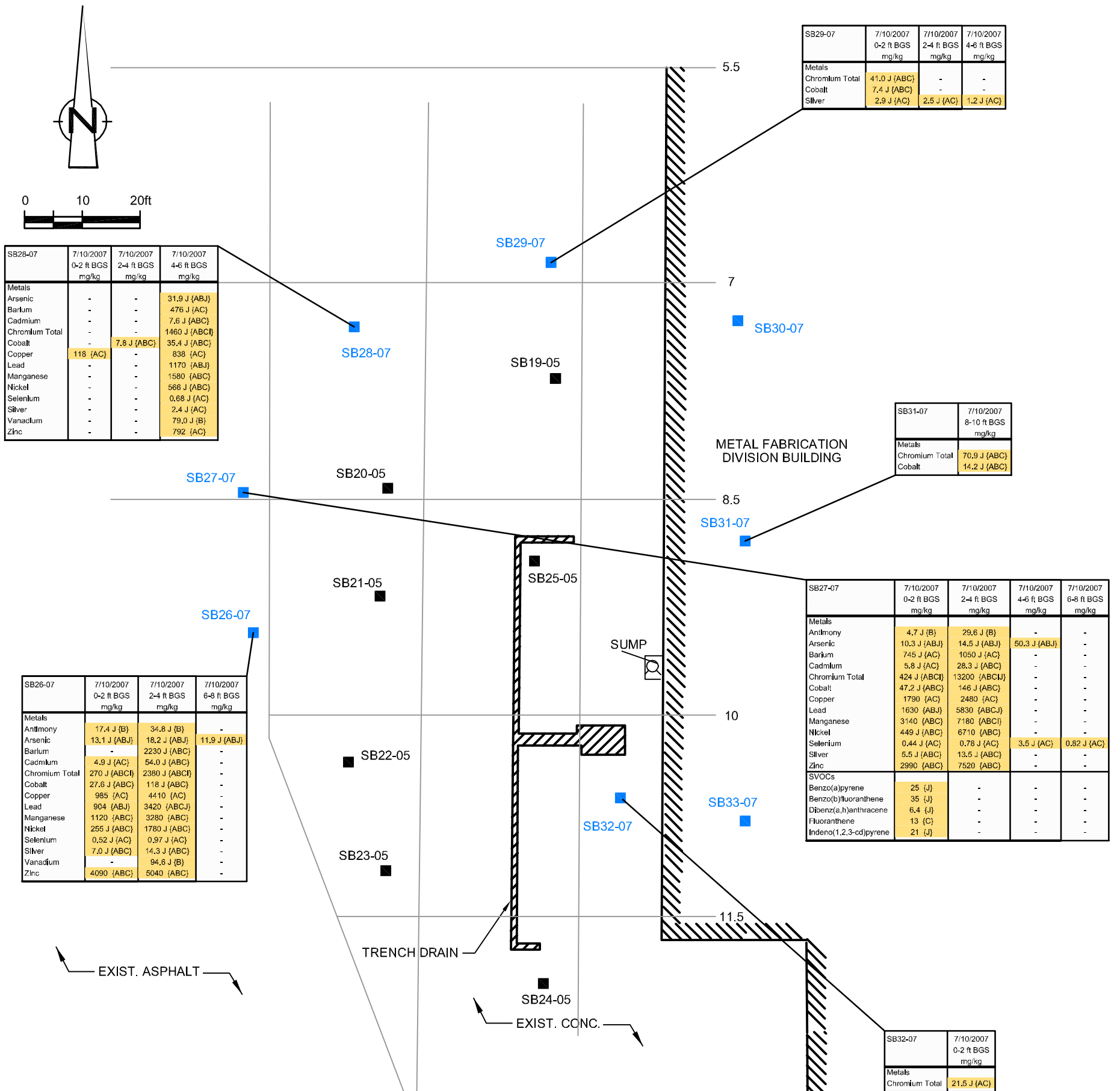


figure 2

SOIL BORING LOCATIONS
GRAND RAPIDS METAL PLANT
Wyoming, Michigan



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

LEGEND

SB26-07 ■ SOIL BORING LOCATIONS-JULY 10, 2007

SB23-05 ■ SOIL BORING LOCATIONS-DECEMBER 12, 2005

▨ TRENCH DRAIN

▨ BUILDING

🔍 SUMP

5.5 PLANT COLUMN NUMBER

figure 3

EXCEEDANCE OF PART 201 RESIDENTIAL CRITERIA

SOIL BORING LOCATIONS

GRAND RAPIDS METAL PLANT

Wyoming, Michigan



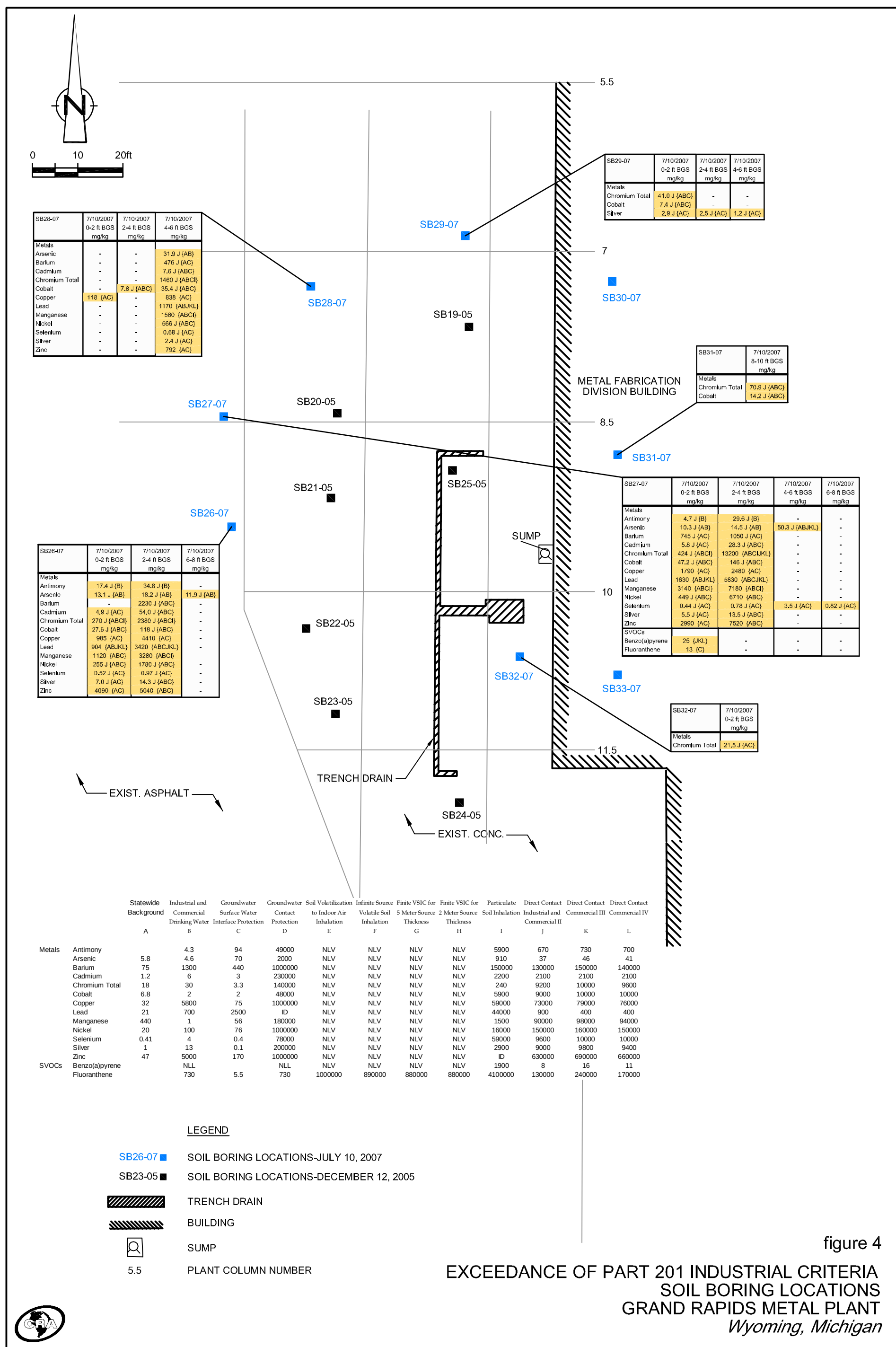


TABLE 1

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

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

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

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

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

TABLE 2

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

[illegible]

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

TABLE 3

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

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

Notes:
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R - Rejected.

TABLE 3

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

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

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

TABLE 3

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

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

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

ATTACHMENT A
STRATIGRAPHIC SOIL BORING LOGS



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

PROJECT NUMBER: 17360-10

CLIENT: GENERAL MOTORS

LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB26-07

DATE COMPLETED: July 10, 2007

DRILLING METHOD: DIRECT PUSH

FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	ASPHALT	0.40	CONCRETE	0-2' -618				831
4	SM-SANDS, with silts, fine and medium sands, trace fine gravels, loose, black, moist		2-5/8" BOREHOLE	1DP 2-4' -619		60		624
6	- some medium gravels at 5.2ft BGS			4-6' -620				297
8		8.30	BACKFILLED WITH BENTONITE CHIPS	6-8' -621 2DP		95		241
10	SP-SANDS, fine grained, poorly graded, loose, brown, moist			8-10' -622				2.4
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS



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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

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

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

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

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

CHEMICAL ANALYSIS



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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

PROJECT NUMBER: 17360-10

CLIENT: GENERAL MOTORS

LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB28-07

DATE COMPLETED: July 10, 2007

DRILLING METHOD: DIRECT PUSH

FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	0.40	CONCRETE	0-2' -628				0.3
4	SM-SANDS, with silts, some slag material, fine to medium sands, trace fine gravels, compact, black, moist		2-5/8" BOREHOLE	1DP 2-4' -629		40		0.2
6				4-6' -630				0.0
8	SP-SANDS, fine grained, poorly graded, loose, grayish brown, moist	7.50	BACKFILLED WITH BENTONITE CHIPS	6-8' -631 2DP		50		0.1
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -632				0.1
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS



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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

PROJECT NUMBER: 17360-10

CLIENT: GENERAL MOTORS

LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB29-07

DATE COMPLETED: July 10, 2007

DRILLING METHOD: DIRECT PUSH

FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.00	CONCRETE	0-2' -633				0.0
	SW-SANDS (FILL), with slag material, fine to medium grained, well graded, black, brittle, moist	1.90		1DP 2-4' -634		60		0.0
	SP-SANDS (FILL), fine grained, poorly graded, loose, brown, moist		2-5/8" BOREHOLE	4-6' -635				0.1
	- trace fine gravels at 2.8ft BGS			6-8' -636 2DP		80		0.1
	- some medium sands at 4.6ft BGS		BACKFILLED WITH BENTONITE CHIPS	8-10' -637				0.1
	- grayish brown at 9.2ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	10.00						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

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

CHEMICAL ANALYSIS



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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

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

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

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2'-644				0.0
4	SP-SANDS, fine grained, poorly graded, some oxidation banding, loose, light brown, moist		2-5/8" BOREHOLE	1DP 2-4'-645		70		0.0
6	- trace medium gravels at 3.0ft BGS			4-6'-646				0.0
8	- some silts at 5.7ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8'-647 2DP		90		0.0
10	- dark brown at 8.2ft BGS			8-10'-648				0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10'-649 DUP				
12								
14								
16								
18								
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22								
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28								
30								
32								
34								

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

CHEMICAL ANALYSIS



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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

PROJECT NUMBER: 17360-10

CLIENT: GENERAL MOTORS

LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB31-07

DATE COMPLETED: July 10, 2007

DRILLING METHOD: DIRECT PUSH

FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2' -656				1.1
4	SP-SANDS (FILL), fine grained, poorly graded, some silts, trace fine gravels, loose, medium brown, moist - trace medium gravels at 2.7ft BGS		2-5/8" BOREHOLE	1DP 2-4' -657		50		0.0
6				4-6' -658				0.2
8	- light brown at 8.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8' -659 2DP		50		0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -660				0.0
12								
14								
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28								
30								
32								
34								

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

CHEMICAL ANALYSIS



OVERBURDEN LOG 17360-10.GPJ CRA_CORP.GDT 8/2/07



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

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

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

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2'-638				0.2
4	SP-SANDS (FILL), fine grained, poorly graded, loose, some oxidation staining, brown, moist - some silts at 2.2ft BGS		2-5/8" BOREHOLE	1DP 2-4'-639		60		0.0
6	- trace fine gravels at 6.4ft BGS			4-6'-640				0.0
8	- very moist, gray at 8.9ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8'-641 2DP		90		0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10'-642				0.0
12				8-10'-643 DUP				
14								
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34								

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

CHEMICAL ANALYSIS



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



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: GM GRAND RAPIDS

PROJECT NUMBER: 17360-10

CLIENT: GENERAL MOTORS

LOCATION: GRAND RAPIDS, MI

HOLE DESIGNATION: SB33-07

DATE COMPLETED: July 10, 2007

DRILLING METHOD: DIRECT PUSH

FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
2	CONCRETE	1.10	CONCRETE	0-2' -650				0.0
4	SP-SANDS (FILL), fine grained, poorly graded, loose, light brown, moist		2-5/8" BOREHOLE	10P 2-4' -651		50		0.0
6	- trace fine gravels at 4.9ft BGS			4-6' -652				0.0
8	- some medium sands at 6.2ft BGS		BACKFILLED WITH BENTONITE CHIPS	6-8' -653 2DP		75		0.0
10	- some black staining at 8.4ft BGS			8-10' -654				0.0
10	END OF BOREHOLE @ 10.0ft BGS	10.00		8-10' -665 DUP				
12								
14								
16								
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20								
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24								
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28								
30								
32								
34								

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

CHEMICAL ANALYSIS



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

ATTACHMENT B

LABORATORY ANALYTICAL DATA

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STL

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www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 17360

GM GR SSOW# E030012

Lot #: A7G120192

SDG #: 7G12192

Kathy Shaw

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

TESTAMERICA LABORATORIES, INC. (FKA STL)



Denise D. Heckler
Project Manager

July 30, 2007

CASE NARRATIVE

7G12192

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

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

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

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

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

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

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

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

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

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

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

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

See TestAmerica's Cooler Receipt Form for additional information.

GC/MS VOLATILES

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

GC/MS SEMIVOLATILES

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

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

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

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

CASE NARRATIVE (continued)

METALS

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

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

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

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

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

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

GENERAL CHEMISTRY

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

QUALITY CONTROL ELEMENTS NARRATIVE

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

QC BATCH

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

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

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

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

LABORATORY CONTROL SAMPLE

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

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

METHOD BLANK

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

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

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

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

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

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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

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

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

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

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

SURROGATE COMPOUNDS

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

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

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

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

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



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

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-071007-BW-639 07/10/07 12:25 022				
Sodium	195	83.6	mg/kg	SW846 6010B
Nickel	5.6	0.84	mg/kg	SW846 6010B
Lead	12.3	0.25	mg/kg	SW846 6010B
Vanadium	5.9	0.84	mg/kg	SW846 6010B
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD
S0-17360-071007-BW-640 07/10/07 12:30 023				
Silver	0.10	0.085	mg/kg	SW846 6020
Arsenic	1.4	0.085	mg/kg	SW846 6020
Zinc	42.7	0.85	mg/kg	SW846 6020
Aluminum	3250	16.9	mg/kg	SW846 6010B
Barium	25.8	0.85	mg/kg	SW846 6010B
Calcium	3230	423	mg/kg	SW846 6010B
Cadmium	0.17	0.085	mg/kg	SW846 6010B
Cobalt	2.5	0.42	mg/kg	SW846 6010B
Chromium	9.2	0.42	mg/kg	SW846 6010B
Copper	20.5	0.85	mg/kg	SW846 6010B
Iron	5090	8.5	mg/kg	SW846 6010B
Magnesium	1340	84.6	mg/kg	SW846 6010B
Manganese	108	0.85	mg/kg	SW846 6010B
Sodium	221	84.6	mg/kg	SW846 6010B
Nickel	10.7	0.85	mg/kg	SW846 6010B
Lead	14.5	0.25	mg/kg	SW846 6010B
Vanadium	8.0	0.85	mg/kg	SW846 6010B
Percent Solids	94.6	10.0	%	MCAWW 160.3 MOD
S0-17360-071007-BW-641 07/10/07 12:35 024				
Arsenic	1.0	0.084	mg/kg	SW846 6020
Zinc	20.8	0.84	mg/kg	SW846 6020
Aluminum	3520	16.9	mg/kg	SW846 6010B
Barium	18.0	0.84	mg/kg	SW846 6010B
Calcium	1710	422	mg/kg	SW846 6010B
Cobalt	3.0	0.42	mg/kg	SW846 6010B
Chromium	11.4	0.42	mg/kg	SW846 6010B
Copper	6.0	0.84	mg/kg	SW846 6010B
Iron	5760	8.4	mg/kg	SW846 6010B
Magnesium	1690	84.5	mg/kg	SW846 6010B
Manganese	94.9	0.84	mg/kg	SW846 6010B
Nickel	7.6	0.84	mg/kg	SW846 6010B
Lead	5.7	0.25	mg/kg	SW846 6010B
Vanadium	8.5	0.84	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
S0-17360-071007-BW-655 07/10/07 14:33 038				
Lead	5.6	0.25	mg/kg	SW846 6010B
Vanadium	5.5	0.84	mg/kg	SW846 6010B
Percent Solids	95.4	10.0	%	MCAWW 160.3 MOD
S0-17360-071007-BW-656 07/10/07 15:05 039				
Arsenic	1.8	0.083	mg/kg	SW846 6020
Zinc	15.6	0.83	mg/kg	SW846 6020
Aluminum	1750	16.6	mg/kg	SW846 6010B
Barium	9.2	0.83	mg/kg	SW846 6010B
Calcium	23000	414	mg/kg	SW846 6010B
Cobalt	1.8	0.41	mg/kg	SW846 6010B
Chromium	4.1	0.41	mg/kg	SW846 6010B
Copper	4.9	0.83	mg/kg	SW846 6010B
Iron	4240	8.3	mg/kg	SW846 6010B
Magnesium	5710	82.8	mg/kg	SW846 6010B
Manganese	125	0.83	mg/kg	SW846 6010B
Nickel	3.8	0.83	mg/kg	SW846 6010B
Lead	5.7	0.25	mg/kg	SW846 6010B
Vanadium	6.1	0.83	mg/kg	SW846 6010B
Percent Solids	96.6	10.0	%	MCAWW 160.3 MOD
S0-17360-071007-BW-657 07/10/07 15:07 040				
Arsenic	1.6	0.084	mg/kg	SW846 6020
Zinc	14.2	0.84	mg/kg	SW846 6020
Aluminum	2020	16.8	mg/kg	SW846 6010B
Barium	12.3	0.84	mg/kg	SW846 6010B
Calcium	27100	420	mg/kg	SW846 6010B
Cobalt	3.5	0.42	mg/kg	SW846 6010B
Chromium	4.6	0.42	mg/kg	SW846 6010B
Copper	7.1 E	0.84	mg/kg	SW846 6010B
Iron	4430	8.4	mg/kg	SW846 6010B
Magnesium	11500	84.0	mg/kg	SW846 6010B
Manganese	149	0.84	mg/kg	SW846 6010B
Nickel	4.5	0.84	mg/kg	SW846 6010B
Lead	6.6	0.25	mg/kg	SW846 6010B
Vanadium	6.2	0.84	mg/kg	SW846 6010B
Percent Solids	95.2	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

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EXECUTIVE SUMMARY - Detection Highlights

7G12192 : A7G120192

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

ANALYTICAL METHODS SUMMARY

7G12192

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

References:

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

SAMPLE SUMMARY

7G12192 : A7G120192

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J2P69	001	S0-17360-071007-BW-618	07/10/07	08:35
J2P7J	002	S0-17360-071007-BW-619	07/10/07	08:40
J2P7K	003	S0-17360-071007-BW-620	07/10/07	08:45
J2P7L	004	S0-17360-071007-BW-621	07/10/07	08:50
J2P7M	005	S0-17360-071007-BW-622	07/10/07	08:55
J2P7N	006	S0-17360-071007-BW-623	07/10/07	09:15
J2P7Q	007	S0-17360-071007-BW-624	07/10/07	09:20
J2P8H	008	S0-17360-071007-BW-625	07/10/07	09:25
J2P8J	009	S0-17360-071007-BW-626	07/10/07	09:30
J2P8L	010	S0-17360-071007-BW-627	07/10/07	09:35
J2P8M	011	S0-17360-071007-BW-628	07/10/07	09:55
J2P8P	012	S0-17360-071007-BW-629	07/10/07	10:00
J2P8Q	013	S0-17360-071007-BW-630	07/10/07	10:05
J2P8T	014	S0-17360-071007-BW-631	07/10/07	10:10
J2P8V	015	S0-17360-071007-BW-632	07/10/07	10:15
J2P8W	016	S0-17360-071007-BW-633	07/10/07	11:00
J2P81	017	S0-17360-071007-BW-634	07/10/07	11:05
J2P85	018	S0-17360-071007-BW-635	07/10/07	11:10
J2P87	019	S0-17360-071007-BW-636	07/10/07	11:15
J2P88	020	S0-17360-071007-BW-637	07/10/07	11:20
J2P89	021	S0-17360-071007-BW-638	07/10/07	12:20
J2P92	022	S0-17360-071007-BW-639	07/10/07	12:25
J2P93	023	S0-17360-071007-BW-640	07/10/07	12:30
J2P97	024	S0-17360-071007-BW-641	07/10/07	12:35
J2QAC	025	S0-17360-071007-BW-642	07/10/07	12:40
J2QAD	026	S0-17360-071007-BW-643	07/10/07	12:41
J2QAE	027	S0-17360-071007-BW-644	07/10/07	13:00
J2QAK	028	S0-17360-071007-BW-645	07/10/07	13:03
J2QAL	029	S0-17360-071007-BW-646	07/10/07	13:06
J2QAN	030	S0-17360-071007-BW-647	07/10/07	13:12
J2QAP	031	S0-17360-071007-BW-648	07/10/07	13:12
J2QAT	032	S0-17360-071007-BW-649	07/10/07	13:13
J2QAV	033	S0-17360-071007-BW-650	07/10/07	14:20
J2QA0	034	S0-17360-071007-BW-651	07/10/07	14:22
J2QA3	035	S0-17360-071007-BW-652	07/10/07	14:25
J2QA5	036	S0-17360-071007-BW-653	07/10/07	14:29

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SAMPLE SUMMARY

7G12192 : A7G120192

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J2QCD	037	S0-17360-071007-BW-654	07/10/07	14:32
J2QCK	038	S0-17360-071007-BW-655	07/10/07	14:33
J2QCM	039	S0-17360-071007-BW-656	07/10/07	15:05
J2QCP	040	S0-17360-071007-BW-657	07/10/07	15:07
J2QCQ	041	S0-17360-071007-BW-658	07/10/07	15:09
J2QCT	042	S0-17360-071007-BW-659	07/10/07	15:11
J2QCV	043	S0-17360-071007-BW-660	07/10/07	15:12
J2QC1	044	S0-17360-071007-BW-661	07/10/07	15:14
J2QC4	045	S0-17360-071007-BW-662	07/10/07	15:45
J2QE1	046	W-17360-071007-BW-663	07/10/07	16:00

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-618

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-001 **Work Order #...**: J2P691AC **Matrix.....**: S0
Date Sampled...: 07/10/07 08:35 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 25
% Moisture.....: 13 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-618

TOTAL Metals

Lot-Sample #...: A7G120192-001

Matrix.....: S0

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

% Moisture.....: 13

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-618

TOTAL Metals

Lot-Sample #...: A7G120192-001

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-618

General Chemistry

Lot-Sample #...: A7G120192-001 Work Order #...: J2P69 Matrix.....: S0
Date Sampled...: 07/10/07 08:35 Date Received...: 07/11/07
% Moisture.....: 13

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-619

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-002 Work Order #....: J2P7J1AH Matrix.....: S0
Date Sampled....: 07/10/07 08:40 Date Received...: 07/11/07
Prep Date.....: 07/12/07 Analysis Date...: 07/23/07
Prep Batch #....: 7193343
Dilution Factor: 25
% Moisture.....: 21 Method.....: SW846 8270C

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-619

TOTAL Metals

Lot-Sample #...: A7G120192-002

Matrix.....: S0

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

% Moisture.....: 21

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-619

TOTAL Metals

Lot-Sample #...: A7G120192-002

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-619

General Chemistry

Lot-Sample #...: A7G120192-002 Work Order #...: J2P7J Matrix.....: S0
Date Sampled...: 07/10/07 08:40 Date Received...: 07/11/07
% Moisture.....: 21

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-620

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-003 **Work Order #...**: J2P7K1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 08:45 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 25
% Moisture.....: 24 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-620

TOTAL Metals

Lot-Sample #...: A7G120192-003

Matrix.....: S0

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

% Moisture.....: 24

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-620

TOTAL Metals

Lot-Sample #...: A7G120192-003

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-620

General Chemistry

Lot-Sample #...: A7G120192-003 Work Order #...: J2P7K Matrix.....: S0
Date Sampled...: 07/10/07 08:45 Date Received...: 07/11/07
% Moisture.....: 24

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-621

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-004 **Work Order #...**: J2P7L1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 08:50 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 11 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-621

TOTAL Metals

Lot-Sample #...: A7G120192-004

Matrix.....: S0

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

% Moisture.....: 11

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-621

TOTAL Metals

Lot-Sample #...: A7G120192-004

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-621

General Chemistry

Lot-Sample #...: A7G120192-004 Work Order #...: J2P7L Matrix.....: S0
Date Sampled...: 07/10/07 08:50 Date Received...: 07/11/07
% Moisture.....: 11

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-622

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-005 **Work Order #...**: J2P7M1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 08:55 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 7.9 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-622

TOTAL Metals

Lot-Sample #...: A7G120192-005

Matrix.....: S0

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

% Moisture.....: 7.9

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-622

TOTAL Metals

Lot-Sample #...: A7G120192-005

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-622

General Chemistry

Lot-Sample #...: A7G120192-005 Work Order #...: J2P7M Matrix.....: S0
Date Sampled...: 07/10/07 08:55 Date Received...: 07/11/07
% Moisture.....: 7.9

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-623

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-006 **Work Order #...**: J2P7N1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 09:15 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 20
% Moisture.....: 16 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-623

TOTAL Metals

Lot-Sample #...: A7G120192-006

Matrix.....: S0

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

% Moisture.....: 16

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-623

TOTAL Metals

Lot-Sample #...: A7G120192-006

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-623

General Chemistry

Lot-Sample #...: A7G120192-006 Work Order #...: J2P7N Matrix.....: S0
Date Sampled...: 07/10/07 09:15 Date Received...: 07/11/07
% Moisture.....: 16

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-624

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-007 **Work Order #...**: J2P7Q1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 09:20 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 16 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-624

TOTAL Metals

Lot-Sample #...: A7G120192-007

Matrix.....: S0

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

% Moisture.....: 16

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-624

TOTAL Metals

Lot-Sample #...: A7G120192-007

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-624

General Chemistry

Lot-Sample #...: A7G120192-007 Work Order #...: J2P7Q Matrix.....: S0
Date Sampled...: 07/10/07 09:20 Date Received...: 07/11/07
% Moisture.....: 16

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-625

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-008 **Work Order #...**: J2P8H1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 09:25 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 50
% Moisture.....: 33 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-625

TOTAL Metals

Lot-Sample #...: A7G120192-008

Matrix.....: S0

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

% Moisture.....: 33

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-625

TOTAL Metals

Lot-Sample #...: A7G120192-008

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-625

General Chemistry

Lot-Sample #...: A7G120192-008 Work Order #...: J2P8H Matrix.....: S0
Date Sampled...: 07/10/07 09:25 Date Received...: 07/11/07
% Moisture.....: 33

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-626

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-009 **Work Order #...**: J2P8J1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 09:30 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 50
% Moisture.....: 22 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-626

TOTAL Metals

Lot-Sample #...: A7G120192-009

Matrix.....: S0

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

% Moisture.....: 22

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-626

TOTAL Metals

Lot-Sample #...: A7G120192-009

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-626

General Chemistry

Lot-Sample #...: A7G120192-009 Work Order #...: J2P8J Matrix.....: S0
Date Sampled...: 07/10/07 09:30 Date Received...: 07/11/07
% Moisture.....: 22

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-627

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-010 **Work Order #....:** J2P8L1AH **Matrix.....:** S0
Date Sampled....: 07/10/07 09:35 **Date Received...:** 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...:** 07/25/07
Prep Batch #....: 7193343
Dilution Factor: 25
% Moisture.....: 18 **Method.....:** SW846 8270C

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-627

TOTAL Metals

Lot-Sample #...: A7G120192-010

Matrix.....: S0

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

% Moisture.....: 18

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-627

TOTAL Metals

Lot-Sample #...: A7G120192-010

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-627

General Chemistry

Lot-Sample #...: A7G120192-010 Work Order #...: J2P8L Matrix.....: S0
Date Sampled...: 07/10/07 09:35 Date Received...: 07/11/07
% Moisture.....: 18

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-628

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-011 Work Order #....: J2P8M1AH Matrix.....: S0
 Date Sampled....: 07/10/07 09:55 Date Received...: 07/11/07
 Prep Date.....: 07/12/07 Analysis Date...: 07/23/07
 Prep Batch #....: 7193343
 Dilution Factor: 1
 % Moisture.....: 10 Method.....: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-628

TOTAL Metals

Lot-Sample #...: A7G120192-011

Matrix.....: S0

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

% Moisture.....: 10

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

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-628

TOTAL Metals

Lot-Sample #...: A7G120192-011

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-628

General Chemistry

Lot-Sample #...: A7G120192-011 Work Order #...: J2P8M Matrix.....: S0
Date Sampled...: 07/10/07 09:55 Date Received...: 07/11/07
% Moisture.....: 10

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-629

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-012 **Work Order #...**: J2P8P1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 10:00 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/25/07
Prep Batch #...: 7193343
Dilution Factor: 20
% Moisture.....: 13 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-629

TOTAL Metals

Lot-Sample #...: A7G120192-012

Matrix.....: S0

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

% Moisture.....: 13

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-629

TOTAL Metals

Lot-Sample #...: A7G120192-012

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-629

General Chemistry

Lot-Sample #...: A7G120192-012 Work Order #...: J2P8P Matrix.....: S0
Date Sampled...: 07/10/07 10:00 Date Received...: 07/11/07
% Moisture.....: 13

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-630

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-013 **Work Order #....:** J2P8Q1AH **Matrix.....:** S0
Date Sampled....: 07/10/07 10:05 **Date Received...:** 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...:** 07/25/07
Prep Batch #....: 7193343
Dilution Factor: 50
% Moisture.....: 10 **Method.....:** SW846 8270C

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

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

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-630

TOTAL Metals

Lot-Sample #...: A7G120192-013

Matrix.....: S0

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

% Moisture.....: 10

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-630

TOTAL Metals

Lot-Sample #...: A7G120192-013

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-630

General Chemistry

Lot-Sample #...: A7G120192-013 Work Order #...: J2P8Q Matrix.....: S0
Date Sampled...: 07/10/07 10:05 Date Received...: 07/11/07
% Moisture.....: 10

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-631

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-014 **Work Order #...**: J2P8T1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 10:10 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 6.5 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-631

TOTAL Metals

Lot-Sample #...: A7G120192-014

Matrix.....: S0

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

% Moisture.....: 6.5

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-631

TOTAL Metals

Lot-Sample #...: A7G120192-014

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-631

General Chemistry

Lot-Sample #...: A7G120192-014 Work Order #...: J2P8T Matrix.....: S0
Date Sampled...: 07/10/07 10:10 Date Received...: 07/11/07
% Moisture.....: 6.5

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-632

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-015 **Work Order #...**: J2P8V1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 10:15 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 5.9 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-632

TOTAL Metals

Lot-Sample #...: A7G120192-015

Matrix.....: S0

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

% Moisture.....: 5.9

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-632

TOTAL Metals

Lot-Sample #...: A7G120192-015

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-632

General Chemistry

Lot-Sample #...: A7G120192-015 Work Order #...: J2P8V Matrix.....: S0
Date Sampled...: 07/10/07 10:15 Date Received...: 07/11/07
% Moisture.....: 5.9

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-633

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-016 **Work Order #...**: J2P8W1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 11:00 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 4.2 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-633

TOTAL Metals

Lot-Sample #...: A7G120192-016

Matrix.....: S0

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

% Moisture.....: 4.2

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-633

TOTAL Metals

Lot-Sample #...: A7G120192-016

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-633

General Chemistry

Lot-Sample #...: A7G120192-016 Work Order #...: J2P8W Matrix.....: S0
Date Sampled...: 07/10/07 11:00 Date Received...: 07/11/07
% Moisture.....: 4.2

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-634

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-017 **Work Order #...**: J2P811AH **Matrix.....**: S0
Date Sampled...: 07/10/07 11:05 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 2.4 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-634

TOTAL Metals

Lot-Sample #...: A7G120192-017

Matrix.....: S0

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

% Moisture.....: 2.4

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-634

TOTAL Metals

Lot-Sample #...: A7G120192-017

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-634

General Chemistry

Lot-Sample #...: A7G120192-017 Work Order #...: J2P81 Matrix.....: S0
Date Sampled...: 07/10/07 11:05 Date Received...: 07/11/07
% Moisture.....: 2.4

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-635

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-018 **Work Order #...**: J2P851AH **Matrix.....**: S0
Date Sampled...: 07/10/07 11:10 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 7.0 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-635

TOTAL Metals

Lot-Sample #...: A7G120192-018

Matrix.....: S0

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

% Moisture.....: 7.0

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-635

TOTAL Metals

Lot-Sample #...: A7G120192-018

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-635

General Chemistry

Lot-Sample #...: A7G120192-018 Work Order #...: J2P85 Matrix.....: S0
Date Sampled...: 07/10/07 11:10 Date Received...: 07/11/07
% Moisture.....: 7.0

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-636

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-019 **Work Order #...**: J2P871AH **Matrix.....**: S0
Date Sampled...: 07/10/07 11:15 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 6.0 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-636

TOTAL Metals

Lot-Sample #...: A7G120192-019

Matrix.....: S0

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

% Moisture.....: 6.0

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-636

TOTAL Metals

Lot-Sample #...: A7G120192-019

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-636

General Chemistry

Lot-Sample #...: A7G120192-019 Work Order #...: J2P87 Matrix.....: S0
Date Sampled...: 07/10/07 11:15 Date Received...: 07/11/07
% Moisture.....: 6.0

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-637

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-020 **Work Order #...**: J2P881AH **Matrix.....**: S0
Date Sampled...: 07/10/07 11:20 **Date Received...**: 07/11/07
Prep Date.....: 07/12/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7193343
Dilution Factor: 1
% Moisture.....: 4.6 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-637

TOTAL Metals

Lot-Sample #...: A7G120192-020

Matrix.....: S0

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

% Moisture.....: 4.6

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-637

TOTAL Metals

Lot-Sample #...: A7G120192-020

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-637

General Chemistry

Lot-Sample #...: A7G120192-020 Work Order #...: J2P88 Matrix.....: S0
Date Sampled...: 07/10/07 11:20 Date Received...: 07/11/07
% Moisture.....: 4.6

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-638

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-021 **Work Order #...**: J2P891AH **Matrix.....**: S0
Date Sampled...: 07/10/07 12:20 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 4.9 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-638

TOTAL Metals

Lot-Sample #...: A7G120192-021

Matrix.....: S0

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

% Moisture.....: 4.9

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-638

TOTAL Metals

Lot-Sample #...: A7G120192-021

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-638

General Chemistry

Lot-Sample #...: A7G120192-021 Work Order #...: J2P89 Matrix.....: S0
Date Sampled...: 07/10/07 12:20 Date Received...: 07/11/07
% Moisture.....: 4.9

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	95.1	10.0	%	MCAWW 160.3 MOD	07/13-07/14/07	7194448
Dilution Factor: 1						

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-639

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-022 Work Order #....: J2P921AH Matrix.....: S0
Date Sampled....: 07/10/07 12:25 Date Received...: 07/11/07
Prep Date.....: 07/14/07 Analysis Date...: 07/22/07
Prep Batch #....: 7195031
Dilution Factor: 1
% Moisture.....: 4.3 Method.....: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-639

TOTAL Metals

Lot-Sample #...: A7G120192-022

Matrix.....: S0

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

% Moisture.....: 4.3

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-639

TOTAL Metals

Lot-Sample #...: A7G120192-022

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-639

General Chemistry

Lot-Sample #...: A7G120192-022 Work Order #...: J2P92 Matrix.....: S0
Date Sampled...: 07/10/07 12:25 Date Received...: 07/11/07
% Moisture.....: 4.3

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-640

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-023 **Work Order #...**: J2P931AH **Matrix.....**: S0
Date Sampled...: 07/10/07 12:30 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 5.4 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-640

TOTAL Metals

Lot-Sample #...: A7G120192-023

Matrix.....: S0

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

% Moisture.....: 5.4

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-640

TOTAL Metals

Lot-Sample #...: A7G120192-023

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-640

General Chemistry

Lot-Sample #...: A7G120192-023 Work Order #...: J2P93 Matrix.....: S0
Date Sampled...: 07/10/07 12:30 Date Received...: 07/11/07
% Moisture.....: 5.4

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-641

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-024 **Work Order #...**: J2P971AH **Matrix.....**: S0
Date Sampled...: 07/10/07 12:35 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 5.3 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-641

TOTAL Metals

Lot-Sample #...: A7G120192-024

Matrix.....: S0

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

% Moisture.....: 5.3

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-641

TOTAL Metals

Lot-Sample #...: A7G120192-024

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-641

General Chemistry

Lot-Sample #...: A7G120192-024 Work Order #...: J2P97 Matrix.....: S0
Date Sampled...: 07/10/07 12:35 Date Received...: 07/11/07
% Moisture.....: 5.3

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-642

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-025 **Work Order #...**: J2QAC1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 12:40 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 5.4 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-642

TOTAL Metals

Lot-Sample #...: A7G120192-025

Matrix.....: S0

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

% Moisture.....: 5.4

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

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-642

TOTAL Metals

Lot-Sample #...: A7G120192-025

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-642

General Chemistry

Lot-Sample #...: A7G120192-025 Work Order #...: J2QAC Matrix.....: S0
Date Sampled...: 07/10/07 12:40 Date Received...: 07/11/07
% Moisture.....: 5.4

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-643

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-026 **Work Order #...**: J2QAD1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 12:41 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 5.6 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-643

TOTAL Metals

Lot-Sample #...: A7G120192-026

Matrix.....: S0

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

% Moisture.....: 5.6

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-643

TOTAL Metals

Lot-Sample #...: A7G120192-026

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-643

General Chemistry

Lot-Sample #...: A7G120192-026 Work Order #...: J2QAD Matrix.....: S0
Date Sampled...: 07/10/07 12:41 Date Received...: 07/11/07
% Moisture.....: 5.6

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-644

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-027 **Work Order #...**: J2QAE1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 13:00 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 4.1 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-644

TOTAL Metals

Lot-Sample #...: A7G120192-027

Matrix.....: S0

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

% Moisture.....: 4.1

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-644

TOTAL Metals

Lot-Sample #...: A7G120192-027

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-644

General Chemistry

Lot-Sample #...: A7G120192-027 Work Order #...: J2QAE Matrix.....: S0
Date Sampled...: 07/10/07 13:00 Date Received...: 07/11/07
% Moisture.....: 4.1

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-645

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-028 Work Order #....: J2QAK1AH Matrix.....: S0
 Date Sampled....: 07/10/07 13:03 Date Received...: 07/11/07
 Prep Date.....: 07/14/07 Analysis Date...: 07/22/07
 Prep Batch #....: 7195031
 Dilution Factor: 1
 % Moisture.....: 3.9 Method.....: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-645

TOTAL Metals

Lot-Sample #...: A7G120192-028

Matrix.....: S0

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

% Moisture.....: 3.9

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-645

TOTAL Metals

Lot-Sample #...: A7G120192-028

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-645

General Chemistry

Lot-Sample #...: A7G120192-028 Work Order #...: J2QAK Matrix.....: S0
Date Sampled...: 07/10/07 13:03 Date Received...: 07/11/07
% Moisture.....: 3.9

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-646

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-029 **Work Order #...**: J2QAL1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 13:06 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 2.9 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-646

TOTAL Metals

Lot-Sample #...: A7G120192-029

Matrix.....: S0

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

% Moisture.....: 2.9

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-646

TOTAL Metals

Lot-Sample #...: A7G120192-029

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-646

General Chemistry

Lot-Sample #...: A7G120192-029 Work Order #...: J2QAL Matrix.....: S0
Date Sampled...: 07/10/07 13:06 Date Received...: 07/11/07
% Moisture.....: 2.9

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-647

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-030 Work Order #....: J2QAN1AH Matrix.....: S0
 Date Sampled....: 07/10/07 13:12 Date Received...: 07/11/07
 Prep Date.....: 07/14/07 Analysis Date...: 07/22/07
 Prep Batch #....: 7195031
 Dilution Factor: 1
 % Moisture.....: 3.9 Method.....: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-647

TOTAL Metals

Lot-Sample #...: A7G120192-030

Matrix.....: S0

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

% Moisture.....: 3.9

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-647

TOTAL Metals

Lot-Sample #...: A7G120192-030

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-647

General Chemistry

Lot-Sample #...: A7G120192-030 Work Order #...: J2QAN Matrix.....: S0
Date Sampled...: 07/10/07 13:12 Date Received...: 07/11/07
% Moisture.....: 3.9

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-648

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-031 **Work Order #...**: J2QAP1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 13:12 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7195031
Dilution Factor: 4
% Moisture.....: 3.5 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-648

TOTAL Metals

Lot-Sample #...: A7G120192-031

Matrix.....: S0

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

% Moisture.....: 3.5

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-648

TOTAL Metals

Lot-Sample #...: A7G120192-031

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-648

General Chemistry

Lot-Sample #...: A7G120192-031 Work Order #...: J2QAP Matrix.....: S0
Date Sampled...: 07/10/07 13:12 Date Received...: 07/11/07
% Moisture.....: 3.5

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-649

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-032 **Work Order #...**: J2QAT1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 13:13 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 3.9 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-649

TOTAL Metals

Lot-Sample #...: A7G120192-032

Matrix.....: S0

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

% Moisture.....: 3.9

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

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-649

TOTAL Metals

Lot-Sample #...: A7G120192-032

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-649

General Chemistry

Lot-Sample #...: A7G120192-032 Work Order #...: J2QAT Matrix.....: S0
Date Sampled...: 07/10/07 13:13 Date Received...: 07/11/07
% Moisture.....: 3.9

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-650

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-033 **Work Order #...**: J2QAV1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 14:20 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 2.0 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-650

TOTAL Metals

Lot-Sample #...: A7G120192-033

Matrix.....: S0

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

% Moisture.....: 2.0

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-650

TOTAL Metals

Lot-Sample #...: A7G120192-033

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-650

General Chemistry

Lot-Sample #...: A7G120192-033 Work Order #...: J2QAV Matrix.....: S0
Date Sampled...: 07/10/07 14:20 Date Received...: 07/11/07
% Moisture.....: 2.0

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-651

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-034 **Work Order #...**: J2QA01AH **Matrix.....**: S0
Date Sampled...: 07/10/07 14:22 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 2.6 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-651

TOTAL Metals

Lot-Sample #...: A7G120192-034

Matrix.....: S0

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

% Moisture.....: 2.6

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-651

TOTAL Metals

Lot-Sample #...: A7G120192-034

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-651

General Chemistry

Lot-Sample #...: A7G120192-034 Work Order #...: J2QA0 Matrix.....: S0
Date Sampled...: 07/10/07 14:22 Date Received...: 07/11/07
% Moisture.....: 2.6

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-652

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-035 **Work Order #...**: J2QA31AH **Matrix.....**: S0
Date Sampled...: 07/10/07 14:25 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 2.8 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-652

TOTAL Metals

Lot-Sample #...: A7G120192-035

Matrix.....: S0

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

% Moisture.....: 2.8

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-652

TOTAL Metals

Lot-Sample #...: A7G120192-035

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-652

General Chemistry

Lot-Sample #...: A7G120192-035 Work Order #...: J2QA3 Matrix.....: S0
Date Sampled...: 07/10/07 14:25 Date Received...: 07/11/07
% Moisture.....: 2.8

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-653

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-036 **Work Order #...**: J2QA51AU **Matrix.....**: S0
Date Sampled...: 07/10/07 14:29 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 4
% Moisture.....: 5.7 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-653

TOTAL Metals

Lot-Sample #...: A7G120192-036

Matrix.....: S0

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

% Moisture.....: 5.7

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-653

TOTAL Metals

Lot-Sample #...: A7G120192-036

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-653

General Chemistry

Lot-Sample #...: A7G120192-036 Work Order #...: J2QA5 Matrix.....: S0
Date Sampled...: 07/10/07 14:29 Date Received...: 07/11/07
% Moisture.....: 5.7

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-654

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-037 **Work Order #...**: J2QCD1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 14:32 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 4.5 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-654

TOTAL Metals

Lot-Sample #...: A7G120192-037

Matrix.....: S0

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

% Moisture.....: 4.5

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-654

TOTAL Metals

Lot-Sample #...: A7G120192-037

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-654

General Chemistry

Lot-Sample #...: A7G120192-037 Work Order #...: J2QCD Matrix.....: S0
Date Sampled...: 07/10/07 14:32 Date Received...: 07/11/07
% Moisture.....: 4.5

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-655

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-038 **Work Order #...**: J2QCK1AC **Matrix.....**: S0
Date Sampled...: 07/10/07 14:33 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/23/07
Prep Batch #...: 7195031
Dilution Factor: 5
% Moisture.....: 4.6 **Method.....**: SW846 8270C

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-655

TOTAL Metals

Lot-Sample #...: A7G120192-038

Matrix.....: S0

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

% Moisture.....: 4.6

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-655

TOTAL Metals

Lot-Sample #...: A7G120192-038

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-655

General Chemistry

Lot-Sample #...: A7G120192-038 Work Order #...: J2QCK Matrix.....: S0
Date Sampled...: 07/10/07 14:33 Date Received...: 07/11/07
% Moisture.....: 4.6

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-656

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-039 **Work Order #...**: J2QCM1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 15:05 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 3.4 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-656

TOTAL Metals

Lot-Sample #...: A7G120192-039

Matrix.....: S0

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

% Moisture.....: 3.4

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-656

TOTAL Metals

Lot-Sample #...: A7G120192-039

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-656

General Chemistry

Lot-Sample #...: A7G120192-039 Work Order #...: J2QCM Matrix.....: S0
Date Sampled...: 07/10/07 15:05 Date Received...: 07/11/07
% Moisture.....: 3.4

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-657

GC/MS Semivolatiles

Lot-Sample #....: A7G120192-040 Work Order #....: J2QCP1AH Matrix.....: S0
Date Sampled....: 07/10/07 15:07 Date Received...: 07/11/07
Prep Date.....: 07/15/07 Analysis Date...: 07/22/07
Prep Batch #....: 7195088
Dilution Factor: 1
% Moisture.....: 4.8 Method.....: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-657

TOTAL Metals

Lot-Sample #...: A7G120192-040

Matrix.....: S0

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

% Moisture.....: 4.8

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-657

TOTAL Metals

Lot-Sample #...: A7G120192-040

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Matrix interference.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-657

General Chemistry

Lot-Sample #...: A7G120192-040 Work Order #...: J2QCP Matrix.....: S0
Date Sampled...: 07/10/07 15:07 Date Received...: 07/11/07
% Moisture.....: 4.8

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-658

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-041 **Work Order #...**: J2QCQ1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 15:09 **Date Received...**: 07/11/07
Prep Date.....: 07/15/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195088
Dilution Factor: 1
% Moisture.....: 3.4 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-658

TOTAL Metals

Lot-Sample #...: A7G120192-041

Matrix.....: S0

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

% Moisture.....: 3.4

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-658

TOTAL Metals

Lot-Sample #...: A7G120192-041

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-658

General Chemistry

Lot-Sample #...: A7G120192-041 Work Order #...: J2QCQ Matrix.....: S0
Date Sampled...: 07/10/07 15:09 Date Received...: 07/11/07
% Moisture.....: 3.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	96.6	10.0	%	MCAWW 160.3 MOD	07/12-07/13/07	7193523
Dilution Factor: 1						

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-659

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-042 **Work Order #...**: J2QCT1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 15:11 **Date Received...**: 07/11/07
Prep Date.....: 07/15/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195088
Dilution Factor: 1
% Moisture.....: 3.2 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-659

TOTAL Metals

Lot-Sample #...: A7G120192-042

Matrix.....: S0

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

% Moisture.....: 3.2

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

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-659

TOTAL Metals

Lot-Sample #...: A7G120192-042

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-659

General Chemistry

Lot-Sample #...: A7G120192-042 Work Order #...: J2QCT Matrix.....: S0
Date Sampled...: 07/10/07 15:11 Date Received...: 07/11/07
% Moisture.....: 3.2

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-660

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-043 **Work Order #...**: J2QCV1AH **Matrix.....**: S0
Date Sampled...: 07/10/07 15:12 **Date Received...**: 07/11/07
Prep Date.....: 07/15/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195088
Dilution Factor: 1
% Moisture.....: 5.5 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-660

TOTAL Metals

Lot-Sample #...: A7G120192-043

Matrix.....: S0

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

% Moisture.....: 5.5

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

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-660

TOTAL Metals

Lot-Sample #...: A7G120192-043

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-660

General Chemistry

Lot-Sample #...: A7G120192-043 Work Order #...: J2QCV Matrix.....: S0
Date Sampled...: 07/10/07 15:12 Date Received...: 07/11/07
% Moisture.....: 5.5

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-661

GC/MS Semivolatiles

Lot-Sample #...: A7G120192-044 **Work Order #...**: J2QC11AH **Matrix.....**: S0
Date Sampled...: 07/10/07 15:14 **Date Received...**: 07/11/07
Prep Date.....: 07/14/07 **Analysis Date...**: 07/22/07
Prep Batch #...: 7195031
Dilution Factor: 1
% Moisture.....: 5.7 **Method.....**: SW846 8270C

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

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-661

TOTAL Metals

Lot-Sample #...: A7G120192-044

Matrix.....: S0

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

% Moisture.....: 5.7

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

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-661

TOTAL Metals

Lot-Sample #...: A7G120192-044

Matrix.....: S0

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

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-661

General Chemistry

Lot-Sample #...: A7G120192-044 Work Order #...: J2QC1 Matrix.....: S0
Date Sampled...: 07/10/07 15:14 Date Received...: 07/11/07
% Moisture.....: 5.7

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

Dilution Factor: 1

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-662

TCLP GC/MS Volatiles

Lot-Sample #....: A7G120192-045 Work Order #....: J2QC41AA Matrix.....: S0
Date Sampled...: 07/10/07 15:45 Date Received...: 07/11/07
Leach Date.....: 07/23/07 Prep Date.....: 07/24/07 Analysis Date...: 07/24/07
Leach Batch #...: P720417 Prep Batch #....: 7205474
Dilution Factor: 1
% Moisture.....: Method.....: SW846 8260B

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-662

TCLP GC/MS Semivolatiles

Lot-Sample #... : A7G120192-045	Work Order #... : J2QC41AC	Matrix..... : S0
Date Sampled... : 07/10/07 15:45	Date Received... : 07/11/07	
Leach Date..... : 07/18/07	Prep Date..... : 07/19/07	Analysis Date... : 07/21/07
Leach Batch #... : P719913	Prep Batch #... : 7200054	
Dilution Factor: 1		
% Moisture..... :	Method..... : SW846 8270C	

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-662

TCLP Metals

Lot-Sample #...: A7G120192-045

Matrix.....: S0

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

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

Client Sample ID: S0-17360-071007-BW-662

General Chemistry

Lot-Sample #...: A7G120192-045 Work Order #...: J2QC4 Matrix.....: S0
Date Sampled...: 07/10/07 15:45 Date Received...: 07/11/07
% Moisture.....:

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

Conestoga-Rovers & Associates, Inc.

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

TCLP GC/MS Volatiles

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

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

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

TCLP GC/MS Semivolatiles

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

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

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

TCLP Metals

Lot-Sample #...: A7G120192-046

Matrix.....: WG

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

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

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

NOTE(S):

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

Conestoga-Rovers & Associates, Inc.

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

General Chemistry

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

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

QUALITY CONTROL SECTION

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7G120192
 MB Lot-Sample #: A7G230000-454
 Leach Date.....: 07/23/07
 Leach Batch #...: P720417
 Dilution Factor: 1

Work Order #...: J3EPA1AA
 Prep Date.....: 07/24/07
 Prep Batch #...: 7205474

Matrix.....: SOLID
 Analysis Date...: 07/24/07

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Benzene	ND	0.025	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.025	mg/L	SW846 8260B
Chlorobenzene	ND	0.025	mg/L	SW846 8260B
Chloroform	ND	0.025	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.025	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.070	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.25	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.070	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.025	mg/L	SW846 8260B
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Dibromofluoromethane	109		(86 - 125)	
1,2-Dichloroethane-d4	102		(80 - 122)	
Toluene-d8	101		(90 - 122)	
4-Bromofluorobenzene	87		(84 - 125)	

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

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

Work Order #...: J2QQ01AA

Matrix.....: SOLID

Analysis Date...: 07/23/07

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

Dilution Factor: 1

Prep Batch #...: 7193343

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

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

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

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

Work Order #...: J2W5G1AA

Matrix.....: SOLID

Analysis Date...: 07/22/07

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

Dilution Factor: 1

Prep Batch #...: 7195031

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

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

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Semivolatiles

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

Work Order #...: J2XFT1AA

Matrix.....: SOLID

Analysis Date...: 07/22/07

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

Dilution Factor: 1

Prep Batch #...: 7195088

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

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

NOTE(S):

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

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: A7G120192
 MB Lot-Sample #: A7G190000-054
 Leach Date.....: 07/18/07
 Leach Batch #...: P719913
 Dilution Factor: 1

Work Order #...: J24VH1AA
 Prep Date.....: 07/19/07
 Prep Batch #...: 7200054

Matrix.....: SOLID

Analysis Date...: 07/20/07

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
o-Cresol	ND	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.040	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.0040	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.020	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.020	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.020	mg/L	SW846 8270C
Hexachloroethane	ND	0.020	mg/L	SW846 8270C
Nitrobenzene	ND	0.0040	mg/L	SW846 8270C
Pentachlorophenol	ND	0.040	mg/L	SW846 8270C
Pyridine	ND	0.020	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Nitrobenzene-d5	82		(29 - 111)	
2-Fluorobiphenyl	60		(22 - 110)	
Terphenyl-d14	101		(40 - 119)	
Phenol-d5	49		(10 - 110)	
2-Fluorophenol	54		(10 - 110)	
2,4,6-Tribromophenol	88		(17 - 117)	

NOTE(S):

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

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

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

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

Matrix.....: WATER

Analysis Date...: 07/20/07

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
o-Cresol	ND	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.040	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.0040	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.020	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.020	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.020	mg/L	SW846 8270C
Hexachloroethane	ND	0.020	mg/L	SW846 8270C
Nitrobenzene	ND	0.0040	mg/L	SW846 8270C
Pentachlorophenol	ND	0.040	mg/L	SW846 8270C
Pyridine	ND	0.020	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Nitrobenzene-d5	82		(27 - 110)	
2-Fluorobiphenyl	60		(20 - 110)	
Terphenyl-d14	101		(44 - 110)	
Phenol-d5	49		(10 - 110)	
2-Fluorophenol	54		(10 - 110)	
2,4,6-Tribromophenol	88		(28 - 110)	

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

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

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

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

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

Aluminum	ND	16.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AH
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1A2
		Dilution Factor: 1				
Arsenic	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AA
		Dilution Factor: 1				
Barium	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AJ
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AK
		Dilution Factor: 1				
Cadmium	ND	0.080	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AL
		Dilution Factor: 1				
Calcium	ND	400	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AM
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Chromium	ND	0.40	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1A0
		Dilution Factor: 1				
Cobalt	ND	0.40	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AN
		Dilution Factor: 1				
Copper	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AP
		Dilution Factor: 1				
Iron	ND	8.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AQ
		Dilution Factor: 1				
Lead	ND	0.24	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1A1
		Dilution Factor: 1				
Magnesium	ND	80.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AR
		Dilution Factor: 1				
Manganese	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AT
		Dilution Factor: 1				
Mercury	ND	0.040	mg/kg	SW846 7471A	07/16/07	J2X2A1AG
		Dilution Factor: 1				
Nickel	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AU
		Dilution Factor: 1				
Potassium	ND	400	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AV
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AC
		Dilution Factor: 1				
Silver	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AD
		Dilution Factor: 1				
Sodium	ND	80.0	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AW
		Dilution Factor: 1				
Thallium	ND	0.080	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AE
		Dilution Factor: 1				
Vanadium	ND	0.80	mg/kg	SW846 6010B	07/16-07/17/07	J2X2A1AX
		Dilution Factor: 1				
Zinc	ND	0.80	mg/kg	SW846 6020	07/16-07/18/07	J2X2A1AF
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7G180000-022 Prep Batch #...: 7199022						
Aluminum	ND	16.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AH
		Dilution Factor: 1				
Antimony	ND	0.16	mg/kg	SW846 6020	07/18/07	J23JL1A2
		Dilution Factor: 1				
Arsenic	ND	0.080	mg/kg	SW846 6020	07/18/07	J23JL1AA
		Dilution Factor: 1				
Barium	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AJ
		Dilution Factor: 1				
Beryllium	ND	0.16	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AK
		Dilution Factor: 1				
Cadmium	ND	0.080	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AL
		Dilution Factor: 1				
Calcium	ND	400	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AM
		Dilution Factor: 1				
Chromium	ND	0.40	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1A0
		Dilution Factor: 1				
Cobalt	ND	0.40	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AN
		Dilution Factor: 1				
Copper	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AP
		Dilution Factor: 1				
Iron	ND	8.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AQ
		Dilution Factor: 1				
Lead	ND	0.24	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1A1
		Dilution Factor: 1				
Magnesium	ND	80.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AR
		Dilution Factor: 1				
Manganese	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AT
		Dilution Factor: 1				
Mercury	ND	0.040	mg/kg	SW846 7471A	07/18/07	J23JL1AG
		Dilution Factor: 1				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Nickel	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AU
		Dilution Factor: 1				
Potassium	ND	400	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AV
		Dilution Factor: 1				
Selenium	ND	0.16	mg/kg	SW846 6020	07/18/07	J23JL1AC
		Dilution Factor: 1				
Silver	ND	0.080	mg/kg	SW846 6020	07/18/07	J23JL1AD
		Dilution Factor: 1				
Sodium	ND	80.0	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AW
		Dilution Factor: 1				
Thallium	ND	0.080	mg/kg	SW846 6020	07/18/07	J23JL1AE
		Dilution Factor: 1				
Vanadium	ND	0.80	mg/kg	SW846 6010B	07/18-07/19/07	J23JL1AX
		Dilution Factor: 1				
Zinc	0.99	0.80	mg/kg	SW846 6020	07/18/07	J23JL1AF
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7G120192

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7G180000-270 Prep Batch #... : 7200015 Leach Date..... : 07/18/07 Leach Batch #... : P719912						
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AD
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AE
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AF
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AG
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AH
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AJ
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24EE1AK
		Dilution Factor: 1				
Mercury	ND	0.00020	mg/L	SW846 7470A	07/19-07/20/07	J24EE1AC
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7G120192

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7G190000-015 Prep Batch #... : 7200015						
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AC
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AE
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AG
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19-07/20/07	J24MJ1AJ
		Dilution Factor: 1				
Mercury	ND	0.00020	mg/L	SW846 7470A	07/19-07/20/07	J24MJ1AA
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7G180000-316 Prep Batch #... : 7200065 Leach Date..... : 07/18/07 Leach Batch #... : P719913						
Mercury	ND	0.0020	mg/L	SW846 7470A	07/19-07/20/07	J24L71AA
		Dilution Factor: 1				
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AC
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19/07	J24L71AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19/07	J24L71AE
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AG
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19/07	J24L71AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19/07	J24L71AJ
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7G190000-065 Prep Batch #... 7200065						
Mercury	ND	0.0020	mg/L	SW846 7470A	07/19-07/20/07	J24V91AA
		Dilution Factor: 1				
Arsenic	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AC
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	07/19/07	J24V91AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	07/19/07	J24V91AE
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AF
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AG
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	07/19/07	J24V91AH
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	07/19/07	J24V91AJ
		Dilution Factor: 1				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7G120192

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	ND	Work Order #: J2RH81AA 10.0	%	MB Lot-Sample #: A7G120000-523 MCAWW 160.3 MOD	07/12-07/13/07	7193523
		Dilution Factor: 1				
Percent Solids	ND	Work Order #: J2W461AA 10.0	%	MB Lot-Sample #: A7G130000-447 MCAWW 160.3 MOD	07/13-07/15/07	7194447
		Dilution Factor: 1				
Percent Solids	ND	Work Order #: J2W471AA 10.0	%	MB Lot-Sample #: A7G130000-448 MCAWW 160.3 MOD	07/13-07/15/07	7194448
		Dilution Factor: 1				
Reactive Cyanide	ND	Work Order #: J3EA71AA 200	mg/kg	MB Lot-Sample #: A7G230000-350 SW846 7.3.3	07/23/07	7204350
		Dilution Factor: 1				
Reactive Sulfide	ND	Work Order #: J3EA81AA 500	mg/kg	MB Lot-Sample #: A7G230000-351 SW846 7.3.4	07/23/07	7204351
		Dilution Factor: 1				

NOTE(S):

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