ESAT Controlled Number: ESAT5-05-00118 pdj - 5/31/07

0097-4H-AATK

DATE: May 31, 2007

Weston Solutions, Inc.
ATTN: **Ms. Tonya Balla**
750 East Bunker Court – Suite 500
Vernon Hills, IL 60061-1450

SITE NAME: Matthiessen & Hegeler Zinc Site – M & H Zinc Site (IL)

CASE #	LAB	SAMPLES	SDG	MATRIX
36348	DataChem	20	ME0001	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

PLEASE! Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Johnson
Data Coordinator
ESAT Region 5/**TechLaw**

Controlled Document

ESAT5.03 00053

ST 5-31-07

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5/15/07

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: Weston

We have reviewed the data for the following case:

SITE NAME: Matthiessen and Hegeler Zinc Site (M+H Zinc Site) IL

CASE NUMBER: 36348 SDG NUMBER: ME0001

Number and Type of Samples: 20 soil samples

Sample Numbers: ME0001 - ME0020

Laboratory: DataChem Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Calibrations **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CRDL/CRQL Standard **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Duplicates **Protocol: INORG**

DC-3 The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) primary criteria. Hits are qualified "J" and non-detects are qualified "UJ".

Copper

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Interference Check Sample **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L that may cause potential interference. Use professional judgement to qualify sample data.

ME0001
Potassium

ME0002
Potassium

ME0003
Potassium

ME0004
Potassium, Zinc

ME0005
Potassium

ME0006
Potassium

ME0007
Potassium

ME0008
Potassium, Zinc

ME0009
Potassium

ME0010
Potassium, Zinc

ME0011
Potassium

ME0012
Potassium, Zinc

ME0013
Potassium

ME0014
Potassium

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

ME0015
Potassium, Zinc

ME0016
Potassium

ME0017
Potassium, Zinc

ME0018
Potassium, Zinc

ME0019
Potassium, Zinc

ME0020
Potassium

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICS solution. Use professional judgement to qualify sample data.

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Blanks **Protocol: INORG**

DC-18 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Cobalt

ME0007, ME0014, ME0017

DC-19 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is greater than the CRQL. Use professional judgement to qualify data.

Barium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Cadmium

ME0001, ME0002, ME0003, ME0004, ME0005

Calcium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Cobalt

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0015, ME0016, ME0018, ME0019, ME0020

Magnesium

ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Manganese

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

DC-21 The following inorganic samples are associated with an ICB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Sodium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Zinc

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

DC-22 The following inorganic samples are associated with a CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Antimony

ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Selenium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Sodium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Zinc

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Control Sample **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Matrix Spikes **Protocol: INORG**

DC-8 The following inorganic samples are associated with a matrix spike recovery outside primary high criteria. However, post-digest spike percent recovery was less than or equal to the high limit. Detects are flagged "J" and non-detects are not flagged.

Lead

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Manganese

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Zinc

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

DC-10 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. Non-detects are flagged "UJ".

Antimony

ME0001, ME0002, ME0003, ME0004, ME0006, ME0007, ME0009, ME0011, ME0014, ME0020

DC-11 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. However, post-digest spike percent recovery was more than or equal to the low limit. Detects are flagged "J".

Antimony

ME0005, ME0008, ME0010, ME0012, ME0013, ME0015, ME0016, ME0017, ME0018, ME0019

Copper

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Sample Result Verification **Protocol: INORG**

DC-5 The following inorganic samples have analyte concentrations reported below the quantitation limit (CRQL). All results below the CRQL are qualified"J".

ME0001
Beryllium, Mercury, Selenium, Sodium

ME0001D
Beryllium, Mercury, Selenium, Sodium

ME0002
Beryllium, Mercury, Selenium, Sodium

ME0003
Beryllium, Mercury, Selenium, Sodium

ME0004
Mercury, Selenium, Sodium

ME0005
Antimony, Beryllium, Mercury, Selenium, Sodium

ME0006
Mercury, Selenium, Sodium

ME0007
Beryllium, Cobalt, Mercury, Selenium, Sodium

ME0008
Antimony, Selenium, Silver, Sodium, Thallium

ME0009
Mercury, Selenium, Sodium

ME0010
Antimony, Selenium, Silver, Sodium

ME0011
Mercury, Selenium, Sodium

ME0012
Antimony, Mercury, Selenium, Silver, Sodium

ME0013
Antimony, Beryllium, Mercury, Selenium, Silver, Sodium

ME0014
Beryllium, Cobalt, Mercury, Selenium, Silver, Sodium

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

ME0015

Antimony, Selenium, Silver, Sodium

ME0016

Antimony, Mercury, Selenium, Silver, Sodium

ME0017

Antimony, Cobalt, Mercury, Selenium, Sodium

ME0018

Antimony, Selenium, Silver, Sodium

ME0019

Antimony, Selenium, Silver, Sodium, Thallium

ME0020

Beryllium, Mercury, Selenium, Sodium

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Serial Dilution **Protocol: INORG**

DC-3 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The detected serial dilution result is less than the initial sample result. Hits are qualified "J" and non-detects are qualified "UJ".

Sodium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

Beryllium

ME0001, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0008, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0019, ME0020

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CADRE Reserved **Protocol: INORG**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than detection limit.

ME0001, ME0001D, ME0002, ME0003, ME0004, ME0005, ME0006, ME0007, ME0009, ME0010, ME0011, ME0012, ME0013, ME0014, ME0015, ME0016, ME0017, ME0018, ME0020, PBS

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0001	SDG No.: ME0001	Criteria: ILM05	Defects: ILM05DEFECT

Data Review Criteria Set Options:

Detection Limit
- PEST per D expanded criteria
- Use MDL X

Holding Time
- Region 3 PAH option
- Region 3 PCB option
- Expanded criteria
- Inorganic missing pH option

Calibrations
- RRF expanded criteria
- VOA/BNA PctD expanded criteria
- VOA/BNA PctRSD expanded criteria
- Use mean RRF
- Use VOA/BNA dual purpose standard option
- Use initial INDA/INDB pct resolution
- Use continuing INDA/INDB pct resolution
- Use PEST low concentration option
- PEST low concentration PctRSD expanded criteria
- Use DMC/SMC/Surrogate option
- Use INORG extreme high pct recovery X

Matrix Spikes
- Use PEST low concentration rules

DMC/SMC/Surrogates
- Region 3 validation rules
- Check dilution factor
- Use advisory surrogates
- Use low concentration rules
- Use BNA low concentration expanded criteria

CADRE association rules X

IPC/Tune
- Expanded criteria

System Performance
- Use initial PEM pct resolution
- Use continuing PEM pct resolution

CRDL/CRQL Standards
- Region 2 validation rules
- Region 3 validation rules

LCS
- Pct rec expanded criteria X

Duplicates
- RPD and AD expanded criteria

Furnace AA QC
- Pct R expanded upper criteria
- Corr coef expanded criteria

Blanks
- Raise to detection limit
- Use VOA storage/inst blanks
- Use low concentration rules

Field QC
- Combine method/field blanks
- CRDL contamination criteria

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	AAS-CVG	Case No.:	36348
File Name:	ME0001	Method:	CV	SDG No.:	ME0001

Sample: ICV — Date: 05/11/2007 — Time: 19:13 — Solution Source: ICV-5(1104) — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	4.10	4.01		98

Sample: CCV — Date: 05/11/2007 — Time: 19:18 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.00		100

Sample: CCV2 — Date: 05/11/2007 — Time: 19:34 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.00		100

Sample: CCV3 — Date: 05/11/2007 — Time: 19:51 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.02		100

Sample: CCV4 — Date: 05/11/2007 — Time: 20:05 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.03		101

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICV

Date: 04/29/2007

Time: 19:15

Solution Source: ICV-1(1201)

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	2482.00	2554.83		103
Antimony	992.00	991.87		100
Arsenic	996.00	992.03		100
Barium	502.00	498.29		99
Beryllium	493.00	488.90		99
Cadmium	494.00	489.93		99
Calcium	10180.00	10101.67		99
Chromium	490.00	490.62		100
Cobalt	496.00	493.75		100
Copper	490.00	498.15		102
Iron	5107.00	5109.77		100
Lead	996.00	990.08		99
Magnesium	6003.00	6123.20		102
Manganese	495.00	494.11		100
Nickel	492.00	490.44		100
Potassium	10008.00	9944.80		99
Selenium	1005.00	1009.83		100
Silver	495.00	478.67		97
Sodium	10039.00	9933.87		99
Thallium	1027.00	1027.63		100
Vanadium	501.00	501.51		100
Zinc	1000.00	999.32		100

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: CCV

Date: 04/29/2007

Time: 19:45

Solution Source: C.P.I.

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24607.67		98
Antimony	5000.00	4969.57		99
Arsenic	750.00	748.57		100
Barium	5000.00	4941.27		99
Beryllium	750.00	736.96		98
Cadmium	750.00	722.17		96
Calcium	25000.00	24724.67		99
Chromium	5000.00	4879.90		98
Cobalt	5000.00	4852.37		97
Copper	5000.00	4883.77		98
Iron	25000.00	24674.33		99
Lead	750.00	718.46		96
Magnesium	25000.00	24988.67		100
Manganese	5000.00	4803.53		96
Nickel	5000.00	4855.87		97
Potassium	25000.00	24382.00		98
Selenium	750.00	743.70		99
Silver	750.00	719.80		96
Sodium	25000.00	24519.67		98
Thallium	750.00	737.49		98
Vanadium	5000.00	4933.87		99
Zinc	5000.00	4888.33		98

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: CCV2

Date: 04/29/2007
Time: 20:54

Solution Source: C.P.I.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24104.67		96
Antimony	5000.00	4826.60		97
Arsenic	750.00	729.00		97
Barium	5000.00	4890.23		98
Beryllium	750.00	723.12		96
Cadmium	750.00	710.72		95
Calcium	25000.00	24583.67		98
Chromium	5000.00	4637.83		93
Cobalt	5000.00	4692.30		94
Copper	5000.00	4635.20		93
Iron	25000.00	24390.00		98
Lead	750.00	715.57		95
Magnesium	25000.00	25180.67		101
Manganese	5000.00	4742.00		95
Nickel	5000.00	4765.23		95
Potassium	25000.00	23945.00		96
Selenium	750.00	713.85		95
Silver	750.00	720.59		96
Sodium	25000.00	24517.33		98
Thallium	750.00	706.79		94
Vanadium	5000.00	4957.87		99
Zinc	5000.00	4799.93		96

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: CCV3

Date: 04/29/2007
Time: 22:05

Solution Source: C.P.I.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24589.00		98
Antimony	5000.00	4960.20		99
Arsenic	750.00	750.13		100
Barium	5000.00	4940.23		99
Beryllium	750.00	734.86		98
Cadmium	750.00	729.16		97
Calcium	25000.00	24845.00		99
Chromium	5000.00	4883.67		98
Cobalt	5000.00	4878.20		98
Copper	5000.00	4782.77		96
Iron	25000.00	24646.67		99
Lead	750.00	724.08		97
Magnesium	25000.00	25258.33		101
Manganese	5000.00	4808.47		96
Nickel	5000.00	4888.50		98
Potassium	25000.00	24459.33		98
Selenium	750.00	740.47		99
Silver	750.00	726.14		97
Sodium	25000.00	24692.67		99
Thallium	750.00	739.12		99
Vanadium	5000.00	4995.07		100
Zinc	5000.00	4938.67		99

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: CCV4

Date: 04/29/2007
Time: 23:10

Solution Source: C.P.I.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24251.33		97
Antimony	5000.00	4912.77		98
Arsenic	750.00	742.63		99
Barium	5000.00	4904.10		98
Beryllium	750.00	728.68		97
Cadmium	750.00	721.96		96
Calcium	25000.00	24737.33		99
Chromium	5000.00	4789.97		96
Cobalt	5000.00	4814.37		96
Copper	5000.00	4690.77		94
Iron	25000.00	24431.33		98
Lead	750.00	724.53		97
Magnesium	25000.00	25200.00		101
Manganese	5000.00	4771.10		95
Nickel	5000.00	4849.33		97
Potassium	25000.00	24274.00		97
Selenium	750.00	733.30		98
Silver	750.00	725.52		97
Sodium	25000.00	24818.67		99
Thallium	750.00	728.98		97
Vanadium	5000.00	4976.93		100
Zinc	5000.00	4883.57		98

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: CCV5

Date: 04/29/2007
Time: 23:39

Solution Source: C.P.I.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24747.00		99
Antimony	5000.00	4962.20		99
Arsenic	750.00	749.40		100
Barium	5000.00	4962.20		99
Beryllium	750.00	737.57		98
Cadmium	750.00	729.11		97
Calcium	25000.00	25032.33		100
Chromium	5000.00	4848.80		97
Cobalt	5000.00	4867.87		97
Copper	5000.00	4768.13		95
Iron	25000.00	24711.67		99
Lead	750.00	726.43		97
Magnesium	25000.00	25512.33		102
Manganese	5000.00	4833.03		97
Nickel	5000.00	4896.87		98
Potassium	25000.00	24559.33		98
Selenium	750.00	736.92		98
Silver	750.00	728.62		97
Sodium	25000.00	25028.33		100
Thallium	750.00	737.21		98
Vanadium	5000.00	5009.47		100
Zinc	5000.00	4929.20		99

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0001	SDG No.:	ME0001

Instrument: AAS-CVG	Blank: ICB	Blank: CCB	Blank: CCB2
Method: CV	Date: 05/11/2007 19:15	Date: 05/11/2007 19:19	Date: 05/11/2007 19:35
Run No.: 1	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C	
Mercury	0.200	BDL	0.200	BDL	0.200	BDL	

Instrument: AAS-CVG	Blank: CCB3	Blank: CCB4
Method: CV	Date: 05/11/2007 19:53	Date: 05/11/2007 20:06
Run No.: 1	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C
Mercury	0.200	BDL	0.200	BDL

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0001	SDG No.:	ME0001

Instrument: ICP07	Blank: ICB	Blank: CCB	Blank: CCB2
Method: P	Date: 04/29/2007 19:21	Date: 04/29/2007 19:51	Date: 04/29/2007 21:00
Run No.: 2	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C
Aluminum	200.000	BDL	200.000	BDL	200.000	BDL
Antimony	60.000	BDL	60.000	BDL	60.000	BDL
Arsenic	10.000	BDL	10.000	BDL	10.000	BDL
Barium	200.000	BDL	1.198	LTC	0.564	LTC
Beryllium	5.000	BDL	5.000	BDL	5.000	BDL
Cadmium	5.000	BDL	0.109	LTC	5.000	BDL
Calcium	5000.000	BDL	9.471	LTC	5000.000	BDL
Chromium	10.000	BDL	10.000	BDL	10.000	BDL
Cobalt	50.000	BDL	1.096	LTC	0.456	LTC
Copper	25.000	BDL	25.000	BDL	25.000	BDL
Iron	100.000	BDL	100.000	BDL	100.000	BDL
Lead	10.000	BDL	10.000	BDL	10.000	BDL
Magnesium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Manganese	15.000	BDL	1.165	LTC	15.000	BDL
Nickel	40.000	BDL	40.000	BDL	40.000	BDL
Potassium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Selenium	35.000	BDL	-3.232	LTC	35.000	BDL
Silver	10.000	BDL	10.000	BDL	10.000	BDL
Sodium	-21.236	LTC	-25.665	LTC	-28.967	LTC
Thallium	25.000	BDL	25.000	BDL	25.000	BDL
Vanadium	50.000	BDL	50.000	BDL	50.000	BDL
Zinc	-3.827	LTC	-3.613	LTC	-3.999	LTC

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0001	SDG No.:	ME0001

Instrument: ICP07	Blank: CCB3	Blank: CCB4	Blank: CCB5
Method: P	Date: 04/29/2007 22:11	Date: 04/29/2007 23:15	Date: 04/29/2007 23:45
Run No.: 2	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C
Aluminum	200.000	BDL	200.000	BDL	200.000	BDL
Antimony	-2.439	LTC	60.000	BDL	60.000	BDL
Arsenic	10.000	BDL	10.000	BDL	10.000	BDL
Barium	1.085	LTC	1.002	LTC	0.719	LTC
Beryllium	5.000	BDL	5.000	BDL	5.000	BDL
Cadmium	5.000	BDL	5.000	BDL	5.000	BDL
Calcium	6.489	LTC	5000.000	BDL	5000.000	BDL
Chromium	10.000	BDL	10.000	BDL	10.000	BDL
Cobalt	0.578	LTC	0.544	LTC	0.886	LTC
Copper	25.000	BDL	25.000	BDL	25.000	BDL
Iron	100.000	BDL	100.000	BDL	100.000	BDL
Lead	10.000	BDL	10.000	BDL	10.000	BDL
Magnesium	24.302	LTC	5000.000	BDL	5000.000	BDL
Manganese	0.869	LTC	0.809	LTC	0.758	LTC
Nickel	40.000	BDL	40.000	BDL	40.000	BDL
Potassium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Selenium	-2.527	LTC	-3.780	LTC	-3.592	LTC
Silver	10.000	BDL	10.000	BDL	10.000	BDL
Sodium	-24.578	LTC	-25.717	LTC	-21.916	LTC
Thallium	25.000	BDL	25.000	BDL	25.000	BDL
Vanadium	50.000	BDL	50.000	BDL	50.000	BDL
Zinc	-3.893	LTC	-3.013	LTC	-3.662	LTC

CRDL/CRQL Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	AAS-CVG	Case No.:	36348
File Name:	ME0001	Method:	CV	SDG No.:	ME0001

Sample: CRIF2

Date: 05/11/2007

Time: 20:03

Solution Source: SPEX

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	0.2	0.18		90

CRDL/CRQL Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: CRIF2

Date: 04/29/2007
Time: 23:21

Solution Source: I.V.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	200.00	189.83		95
Antimony	60.00	57.01		95
Arsenic	10.00	9.89		99
Barium	200.00	201.69		101
Beryllium	5.00	4.94		99
Cadmium	5.00	4.88		98
Calcium	5000.00	5076.23		102
Chromium	10.00	9.63		96
Cobalt	50.00	48.46		97
Copper	25.00	21.47		86
Iron	100.00	100.93		101
Lead	10.00	10.19		102
Magnesium	5000.00	5152.73		103
Manganese	15.00	15.20		101
Nickel	40.00	39.71		99
Potassium	5000.00	4920.97		98
Selenium	35.00	33.17		95
Silver	10.00	9.68		97
Sodium	5000.00	5034.43		101
Thallium	25.00	24.61		98
Vanadium	50.00	51.42		103
Zinc	60.00	55.71		93

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0001
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13400.7051		3.5	23.5
Antimony	7.0505	BDL	0.15	7.1
Arsenic	9.3141		0.18	1.2
Barium	135.9734		0.019	23.5
Beryllium	0.5235	LTC	0.017	0.59
Cadmium	1.0463		0.008	0.59
Calcium	12085.7814		4.7	588
Chromium	18.5527		0.27	1.2
Cobalt	6.3589		0.04	5.9
Copper	38.4712		0.23	2.9
Iron	18095.9655		0.77	11.8
Lead	15.9209		0.13	1.2
Magnesium	8253.5057		1.4	588
Manganese	444.1520		0.089	1.8
Mercury	0.0333	LTC	0.02	0.12
Nickel	15.7054		0.52	4.7
Potassium	1456.4826		4.8	588
Selenium	0.4432	LTC	0.13	4.1
Silver	1.1751	BDL	0.05	1.2
Sodium	106.4438	LTC	3	588
Thallium	2.9377	BDL	0.13	2.9
Vanadium	33.3987		0.045	5.9
Zinc	140.0313		0.14	7.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0001D
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	11574.6573		3.5	23.5
Antimony	7.0505	BDL	0.15	7.1
Arsenic	8.6753		0.18	1.2
Barium	139.4595		0.019	23.5
Beryllium	0.4864	LTC	0.017	0.59
Cadmium	1.0377		0.008	0.59
Calcium	11471.5629		4.8	588
Chromium	16.3067		0.28	1.2
Cobalt	6.8436		0.04	5.9
Copper	18.6389		0.23	2.9
Iron	16800.6267		0.77	11.8
Lead	14.3948		0.13	1.2
Magnesium	7510.7716		1.4	588
Manganese	578.1590		0.089	1.8
Mercury	0.0310	LTC	0.02	0.12
Nickel	15.5206		0.52	4.7
Potassium	1228.9463		4.8	588
Selenium	0.3132	LTC	0.13	4.1
Silver	1.1751	BDL	0.05	1.2
Sodium	94.1884	LTC	3	588
Thallium	2.9377	BDL	0.13	2.9
Vanadium	31.2746		0.045	5.9
Zinc	117.2452		0.14	7.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0001S
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum				
Antimony	8.4221		0.15	7.1
Arsenic	18.9307		0.18	1.2
Barium	631.4219		0.019	23.5
Beryllium	11.5761		0.017	0.59
Cadmium	12.2906		0.008	0.59
Calcium				
Chromium	61.2722		0.27	1.2
Cobalt	120.7129		0.04	5.9
Copper	78.2002		0.23	2.9
Iron				
Lead	23.1379		0.13	1.2
Magnesium				
Manganese	1336.8194		0.089	1.8
Mercury	0.6009		0.02	0.12
Nickel	125.9107		0.52	4.7
Potassium				
Selenium	11.1945		0.13	4.1
Silver	10.7357		0.05	1.2
Sodium				
Thallium	11.1096		0.13	2.9
Vanadium	143.0944		0.045	5.9
Zinc	316.9644		0.14	7.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0002
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12978.6223		3.5	23.8
Antimony	7.1259	BDL	0.15	7.1
Arsenic	7.9066		0.18	1.2
Barium	129.6754		0.019	23.8
Beryllium	0.4949	LTC	0.017	0.59
Cadmium	1.9194		0.008	0.59
Calcium	6764.4893		4.8	594
Chromium	16.5531		0.28	1.2
Cobalt	6.9730		0.04	5.9
Copper	17.1904		0.24	3
Iron	17165.0831		0.78	11.9
Lead	26.7106		0.14	1.2
Magnesium	4569.9921		1.4	594
Manganese	529.9248		0.09	1.8
Mercury	0.0403	LTC	0.021	0.12
Nickel	14.9572		0.52	4.8
Potassium	1558.5511		4.9	594
Selenium	0.6746	LTC	0.13	4.2
Silver	1.1876	BDL	0.051	1.2
Sodium	89.8452	LTC	3	594
Thallium	2.9691	BDL	0.13	3
Vanadium	32.5855		0.045	5.9
Zinc	224.0182		0.14	7.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0003
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13591.1800		3.6	23.8
Antimony	7.1514	BDL	0.15	7.2
Arsenic	6.5530		0.18	1.2
Barium	130.4251		0.02	23.8
Beryllium	0.5601	LTC	0.017	0.6
Cadmium	2.1549		0.008	0.6
Calcium	5948.9869		4.8	596
Chromium	17.5058		0.28	1.2
Cobalt	7.3507		0.04	6
Copper	20.5391		0.24	3
Iron	17570.9178		0.78	11.9
Lead	31.8510		0.14	1.2
Magnesium	3819.1498		1.4	596
Manganese	391.8037		0.09	1.8
Mercury	0.0340	LTC	0.021	0.12
Nickel	14.3449		0.52	4.8
Potassium	1610.0516		4.9	596
Selenium	0.6890	LTC	0.13	4.2
Silver	1.1919	BDL	0.051	1.2
Sodium	89.0914	LTC	3	596
Thallium	2.9797	BDL	0.13	3
Vanadium	34.1855		0.045	6
Zinc	263.6909		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0004
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13101.6407		3.6	24
Antimony	7.2029	BDL	0.15	7.2
Arsenic	10.9560		0.18	1.2
Barium	146.4146		0.02	24
Beryllium	0.6920		0.017	0.6
Cadmium	6.5329		0.008	0.6
Calcium	8967.9872		4.8	600
Chromium	16.4846		0.28	1.2
Cobalt	6.5180		0.041	6
Copper	37.2945		0.24	3
Iron	18518.6074		0.78	12
Lead	85.8183		0.14	1.2
Magnesium	3554.3017		1.4	600
Manganese	501.8888		0.091	1.8
Mercury	0.1138	LTC	0.021	0.12
Nickel	14.2093		0.53	4.8
Potassium	1825.6102		4.9	600
Selenium	1.0545	LTC	0.13	4.2
Silver	1.2005	BDL	0.052	1.2
Sodium	113.2141	LTC	3	600
Thallium	3.0012	BDL	0.13	3
Vanadium	32.2833		0.046	6
Zinc	1352.7811		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0005
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13222.0854		3.7	24.6
Antimony	0.3880	LTC	0.15	7.4
Arsenic	9.6096		0.19	1.2
Barium	175.8621		0.02	24.6
Beryllium	0.5550	LTC	0.018	0.62
Cadmium	3.6082		0.008	0.62
Calcium	10033.9080		5	616
Chromium	21.3017		0.29	1.2
Cobalt	6.2812		0.042	6.2
Copper	29.9175		0.24	3.1
Iron	19474.5484		0.8	12.3
Lead	62.7915		0.14	1.2
Magnesium	6256.1987		1.5	616
Manganese	724.7947		0.093	1.8
Mercury	0.0529	LTC	0.021	0.12
Nickel	19.5287		0.54	4.9
Potassium	1649.2611		5	616
Selenium	0.7122	LTC	0.13	4.3
Silver	1.2315	BDL	0.053	1.2
Sodium	92.6917	LTC	3.1	616
Thallium	3.0788	BDL	0.13	3.1
Vanadium	32.9561		0.047	6.2
Zinc	375.8621		0.15	7.4
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0006
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12343.7786		3.7	25
Antimony	7.4906	BDL	0.15	7.5
Arsenic	11.4773		0.19	1.2
Barium	177.6654		0.02	25
Beryllium	0.6354		0.018	0.62
Cadmium	5.6890		0.008	0.62
Calcium	7834.2072		5	624
Chromium	16.9367		0.29	1.2
Cobalt	11.2816		0.042	6.2
Copper	22.7303		0.25	3.1
Iron	17888.0566		0.82	12.5
Lead	55.0296		0.14	1.2
Magnesium	4319.3092		1.5	624
Manganese	810.8032		0.094	1.9
Mercury	0.0561	LTC	0.022	0.12
Nickel	20.7628		0.55	5
Potassium	1390.3870		5.1	624
Selenium	0.6090	LTC	0.14	4.4
Silver	1.2484	BDL	0.054	1.2
Sodium	82.9039	LTC	3.2	624
Thallium	3.1211	BDL	0.14	3.1
Vanadium	34.9809		0.047	6.2
Zinc	609.9459		0.15	7.5
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0007
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13832.2904		3.7	25
Antimony	7.5094	BDL	0.15	7.5
Arsenic	9.7551		0.19	1.3
Barium	166.4164		0.021	25
Beryllium	0.6063	LTC	0.018	0.63
Cadmium	4.8863		0.008	0.63
Calcium	7647.8932		5.1	626
Chromium	19.2374		0.29	1.3
Cobalt	6.1601	LTC	0.042	6.3
Copper	22.5836		0.25	3.1
Iron	18337.5052		0.82	12.5
Lead	51.8694		0.14	1.3
Magnesium	4640.2169		1.5	626
Manganese	485.2858		0.094	1.9
Mercury	0.0462	LTC	0.022	0.13
Nickel	15.7021		0.55	5
Potassium	1595.3692		5.1	626
Selenium	0.8392	LTC	0.14	4.4
Silver	1.2516	BDL	0.054	1.3
Sodium	83.5774	LTC	3.2	626
Thallium	3.1289	BDL	0.14	3.1
Vanadium	35.4585		0.047	6.3
Zinc	606.4205		0.15	7.5
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0008
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	14107.7441		3.8	25.3
Antimony	0.7376	LTC	0.16	7.6
Arsenic	13.3923		0.19	1.3
Barium	235.1515		0.021	25.3
Beryllium	0.8573		0.018	0.63
Cadmium	18.9158		0.008	0.63
Calcium	7115.8670		5.1	631
Chromium	27.3973		0.29	1.3
Cobalt	11.6940		0.043	6.3
Copper	44.5202		0.25	3.2
Iron	19459.5960		0.83	12.6
Lead	250.8838		0.14	1.3
Magnesium	3463.1313		1.5	631
Manganese	1127.0455		0.095	1.9
Mercury	0.1283		0.022	0.13
Nickel	20.0198		0.55	5.1
Potassium	1295.5808		5.2	631
Selenium	1.1692	LTC	0.14	4.4
Silver	0.5213	LTC	0.054	1.3
Sodium	130.7786	LTC	3.2	631
Thallium	0.3324	LTC	0.14	3.2
Vanadium	36.2340		0.048	6.3
Zinc	2298.3586		0.15	7.6
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0009
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	11987.6691		3.6	23.9
Antimony	7.1599	BDL	0.15	7.2
Arsenic	10.8600		0.18	1.2
Barium	173.2379		0.02	23.9
Beryllium	0.6261		0.017	0.6
Cadmium	4.8658		0.008	0.6
Calcium	7497.9316		4.8	597
Chromium	15.1651		0.28	1.2
Cobalt	9.2076		0.04	6
Copper	22.4646		0.24	3
Iron	18112.1718		0.78	11.9
Lead	70.0811		0.14	1.2
Magnesium	4063.6038		1.4	597
Manganese	774.7295		0.09	1.8
Mercury	0.0696	LTC	0.021	0.12
Nickel	17.3604		0.52	4.8
Potassium	1407.3588		4.9	597
Selenium	0.4441	LTC	0.13	4.2
Silver	1.1933	BDL	0.051	1.2
Sodium	81.9097	LTC	3	597
Thallium	2.9833	BDL	0.13	3
Vanadium	32.4073		0.045	6
Zinc	635.7239		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0010
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12744.1667		3.7	25
Antimony	1.0641	LTC	0.15	7.5
Arsenic	11.0317		0.19	1.3
Barium	187.6750		0.02	25
Beryllium	0.8367		0.018	0.63
Cadmium	17.8725		0.008	0.63
Calcium	9823.0417		5	625
Chromium	21.0592		0.29	1.3
Cobalt	7.0153		0.042	6.3
Copper	40.6396		0.25	3.1
Iron	18512.5000		0.82	12.5
Lead	326.0667		0.14	1.3
Magnesium	4011.7917		1.5	625
Manganese	763.6792		0.094	1.9
Mercury	0.1346		0.022	0.13
Nickel	17.5371		0.55	5
Potassium	1860.4167		5.1	625
Selenium	1.2145	LTC	0.14	4.4
Silver	0.3675	LTC	0.054	1.3
Sodium	132.9458	LTC	3.2	625
Thallium	3.1250	BDL	0.14	3.1
Vanadium	31.5233		0.047	6.3
Zinc	2475.3333		0.15	7.5
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0011
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	11776.3321		3.7	24.8
Antimony	7.4349	BDL	0.15	7.4
Arsenic	7.7794		0.19	1.2
Barium	171.1772		0.02	24.8
Beryllium	0.6406		0.018	0.62
Cadmium	5.8280		0.008	0.62
Calcium	7001.8587		5	620
Chromium	17.9380		0.29	1.2
Cobalt	8.8416		0.042	6.2
Copper	22.6671		0.25	3.1
Iron	17565.8819		0.81	12.4
Lead	55.5667		0.14	1.2
Magnesium	3551.0120		1.5	620
Manganese	700.6691		0.093	1.9
Mercury	0.0561	LTC	0.022	0.12
Nickel	17.1846		0.54	5
Potassium	1615.2416		5.1	620
Selenium	0.5144	LTC	0.13	4.3
Silver	1.2392	BDL	0.053	1.2
Sodium	123.7959	LTC	3.1	620
Thallium	3.0979	BDL	0.13	3.1
Vanadium	30.0876		0.047	6.2
Zinc	685.7538		0.15	7.4
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0012
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	11918.1779		3.9	25.9
Antimony	0.5368	LTC	0.16	7.8
Arsenic	11.3251		0.2	1.3
Barium	213.5579		0.021	25.9
Beryllium	0.6922		0.019	0.65
Cadmium	15.4028		0.008	0.65
Calcium	7158.5492		5.2	648
Chromium	18.5475		0.3	1.3
Cobalt	10.4487		0.044	6.5
Copper	36.5000		0.26	3.2
Iron	18166.2349		0.85	13
Lead	139.6459		0.15	1.3
Magnesium	3281.5630		1.5	648
Manganese	891.1528		0.098	1.9
Mercury	0.1012	LTC	0.023	0.13
Nickel	20.7237		0.57	5.2
Potassium	1888.5147		5.3	648
Selenium	1.0112	LTC	0.14	4.5
Silver	0.2314	LTC	0.056	1.3
Sodium	112.3709	LTC	3.3	648
Thallium	3.2383	BDL	0.14	3.2
Vanadium	30.9383		0.049	6.5
Zinc	1845.7686		0.15	7.8
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0013
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13314.0779		3.8	25.7
Antimony	0.5733	LTC	0.16	7.7
Arsenic	9.2067		0.2	1.3
Barium	181.1468		0.021	25.7
Beryllium	0.6156	LTC	0.018	0.64
Cadmium	6.4848		0.008	0.64
Calcium	10343.2178		5.2	642
Chromium	25.1031		0.3	1.3
Cobalt	8.2980		0.043	6.4
Copper	31.8139		0.25	3.2
Iron	19103.5516		0.84	12.8
Lead	68.4279		0.15	1.3
Magnesium	6149.5507		1.5	642
Manganese	660.4964		0.097	1.9
Mercury	0.0773	LTC	0.022	0.13
Nickel	19.5208		0.56	5.1
Potassium	1518.6136		5.2	642
Selenium	0.8881	LTC	0.14	4.5
Silver	0.1494	LTC	0.055	1.3
Sodium	121.4763	LTC	3.3	642
Thallium	3.2092	BDL	0.14	3.2
Vanadium	35.1690		0.049	6.4
Zinc	675.6953		0.15	7.7
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0014
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	10424.9673		3.9	26.1
Antimony	7.8431	BDL	0.16	7.8
Arsenic	13.6383		0.2	1.3
Barium	164.5708		0.021	26.1
Beryllium	0.5669	LTC	0.019	0.65
Cadmium	7.5357		0.008	0.65
Calcium	4623.7037		5.3	654
Chromium	14.5407		0.31	1.3
Cobalt	6.2588	LTC	0.044	6.5
Copper	24.5747		0.26	3.3
Iron	14936.8192		0.85	13.1
Lead	94.1686		0.15	1.3
Magnesium	2159.4336		1.5	654
Manganese	536.1699		0.099	2
Mercury	0.0707	LTC	0.023	0.13
Nickel	13.4026		0.57	5.2
Potassium	1559.8257		5.3	654
Selenium	0.4274	LTC	0.14	4.6
Silver	0.1185	LTC	0.056	1.3
Sodium	103.1238	LTC	3.3	654
Thallium	3.2680	BDL	0.14	3.3
Vanadium	26.0863		0.05	6.5
Zinc	925.2375		0.15	7.8
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0015
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	11221.4315		3.7	24.5
Antimony	1.2422	LTC	0.15	7.4
Arsenic	11.2924		0.19	1.2
Barium	163.8078		0.02	24.5
Beryllium	0.7809		0.018	0.61
Cadmium	15.9783		0.008	0.61
Calcium	10666.3804		5	613
Chromium	16.7591		0.29	1.2
Cobalt	7.8366		0.042	6.1
Copper	48.1730		0.24	3.1
Iron	18783.6401		0.8	12.3
Lead	206.5644		0.14	1.2
Magnesium	3653.9877		1.5	613
Manganese	733.6155		0.093	1.8
Mercury	0.1826		0.021	0.12
Nickel	18.3783		0.54	4.9
Potassium	1820.6544		5	613
Selenium	0.5503	LTC	0.13	4.3
Silver	0.3143	LTC	0.053	1.2
Sodium	160.6830	LTC	3.1	613
Thallium	3.0675	BDL	0.13	3.1
Vanadium	28.7685		0.047	6.1
Zinc	1901.2679		0.15	7.4
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0016
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12038.8048		3.5	23.3
Antimony	0.4665	LTC	0.15	7
Arsenic	78.1102		0.18	1.2
Barium	208.1219		0.019	23.3
Beryllium	0.5866		0.017	0.58
Cadmium	7.2097		0.007	0.58
Calcium	8925.0291		4.7	582
Chromium	17.3803		0.27	1.2
Cobalt	7.6730		0.039	5.8
Copper	24.3749		0.23	2.9
Iron	15844.7808		0.76	11.6
Lead	93.5898		0.13	1.2
Magnesium	4133.4886		1.4	582
Manganese	329.4645		0.088	1.7
Mercury	0.0540	LTC	0.02	0.12
Nickel	16.8653		0.51	4.7
Potassium	1252.7357		4.8	582
Selenium	0.4269	LTC	0.13	4.1
Silver	0.6366	LTC	0.05	1.2
Sodium	107.8820	LTC	3	582
Thallium	2.9104	BDL	0.13	2.9
Vanadium	29.1797		0.044	5.8
Zinc	868.2965		0.14	7
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0017
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12772.0403		3.8	25.2
Antimony	0.6268	LTC	0.16	7.6
Arsenic	11.3178		0.19	1.3
Barium	211.3392		0.021	25.2
Beryllium	0.7835		0.018	0.63
Cadmium	11.9540		0.008	0.63
Calcium	11162.0067		5.1	630
Chromium	17.1394		0.29	1.3
Cobalt	6.1199	LTC	0.043	6.3
Copper	34.6381		0.25	3.1
Iron	21628.0437		0.82	12.6
Lead	170.7976		0.14	1.3
Magnesium	4264.1478		1.5	630
Manganese	483.1612		0.095	1.9
Mercury	0.0816	LTC	0.022	0.13
Nickel	17.0180		0.55	5
Potassium	2043.2830		5.1	630
Selenium	1.0307	LTC	0.14	4.4
Silver	1.2594	BDL	0.054	1.3
Sodium	120.8963	LTC	3.2	630
Thallium	3.1486	BDL	0.14	3.1
Vanadium	32.3325		0.048	6.3
Zinc	1459.7817		0.15	7.6
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0018
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12822.4704		3.9	26.3
Antimony	0.7653	LTC	0.16	7.9
Arsenic	20.0175		0.2	1.3
Barium	270.4950		0.022	26.3
Beryllium	0.7364		0.019	0.66
Cadmium	18.4647		0.008	0.66
Calcium	7725.7118		5.3	657
Chromium	16.6741		0.31	1.3
Cobalt	7.7417		0.045	6.6
Copper	40.7512		0.26	3.3
Iron	18346.0359		0.86	13.1
Lead	162.8077		0.15	1.3
Magnesium	2595.2256		1.6	657
Manganese	817.2930		0.099	2
Mercury	0.1787		0.023	0.13
Nickel	17.8712		0.58	5.3
Potassium	1915.3745		5.4	657
Selenium	0.8193	LTC	0.14	4.6
Silver	0.1607	LTC	0.056	1.3
Sodium	109.7078	LTC	3.3	657
Thallium	3.2852	BDL	0.14	3.3
Vanadium	32.5199		0.05	6.6
Zinc	2266.9733		0.16	7.9
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0019
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	15545.5729		3.9	26
Antimony	1.4130	LTC	0.16	7.8
Arsenic	18.2856		0.2	1.3
Barium	255.5252		0.021	26
Beryllium	0.8921		0.019	0.65
Cadmium	29.8954		0.008	0.65
Calcium	8059.5052		5.3	651
Chromium	21.5087		0.3	1.3
Cobalt	7.1546		0.044	6.5
Copper	61.2344		0.26	3.3
Iron	21532.9861		0.85	13
Lead	292.9644		0.15	1.3
Magnesium	3721.5712		1.5	651
Manganese	609.6832		0.098	2
Mercury	0.1958		0.023	0.13
Nickel	20.0130		0.57	5.2
Potassium	2306.0330		5.3	651
Selenium	1.0870	LTC	0.14	4.6
Silver	0.7159	LTC	0.056	1.3
Sodium	159.5443	LTC	3.3	651
Thallium	0.4044	LTC	0.14	3.3
Vanadium	37.2426		0.049	6.5
Zinc	3685.4167		0.15	7.8
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0020
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13410.2564		4	26.5
Antimony	7.9576	BDL	0.16	8
Arsenic	9.1804		0.2	1.3
Barium	168.6030		0.022	26.5
Beryllium	0.5290	LTC	0.019	0.66
Cadmium	6.0084		0.008	0.66
Calcium	5786.6490		5.4	663
Chromium	18.6830		0.31	1.3
Cobalt	8.7561		0.045	6.6
Copper	23.1216		0.26	3.3
Iron	19371.7949		0.87	13.3
Lead	46.9103		0.15	1.3
Magnesium	3307.7365		1.6	663
Manganese	740.2653		0.1	2
Mercury	0.0389	LTC	0.023	0.13
Nickel	18.2759		0.58	5.3
Potassium	2136.1627		5.4	663
Selenium	0.5861	LTC	0.14	4.6
Silver	1.3263	BDL	0.057	1.3
Sodium	96.1256	LTC	3.4	663
Thallium	3.3156	BDL	0.14	3.3
Vanadium	34.8767		0.05	6.6
Zinc	704.0495		0.16	8
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	PBS
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil /	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	20.000	BDL	3	20
Antimony	6.000	BDL	0.12	6
Arsenic	1.000	BDL	0.15	1
Barium	0.103	LTC	0.016	20
Beryllium	0.500	BDL	0.014	0.5
Cadmium	0.500	BDL	0.006	0.5
Calcium	8.717	LTC	4	500
Chromium	1.000	BDL	0.23	1
Cobalt	5.000	BDL	0.034	5
Copper	2.500	BDL	0.2	2.5
Iron	10.000	BDL	0.65	10
Lead	0.261	LTC	0.11	1
Magnesium	500.000	BDL	1.2	500
Manganese	1.500	BDL	0.075	1.5
Mercury	0.100	BDL	0.017	0.1
Nickel	4.000	BDL	0.44	4
Potassium	500.000	BDL	4.1	500
Selenium	3.500	BDL	0.11	3.5
Silver	1.000	BDL	0.043	1
Sodium	500.000	BDL	2.5	500
Thallium	2.500	BDL	0.11	2.5
Vanadium	5.000	BDL	0.038	5
Zinc	-0.269	LTC	0.12	6
Cyanide				

Inorganic Duplicate Analysis

		Sample No.:	ME0001D
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0001
% Solids for Sample:	85.1	% Solids for Duplicate:	85.0
Concentration Units:	MG/KG		

Analyte	Control Limit	Sample(S)	C	Duplicate(D)	C	Laboratory Reported RPD	CADRE Calculated RPD	Q	M
Aluminum		13400.7051		11574.6573			15		P
Antimony		7.0505	BDL	7.0505	BDL				P
Arsenic		9.3141		8.6753			7		P
Barium		135.9734		139.4595			3		P
Beryllium		0.5235	LTC	0.4864	LTC		7		P
Cadmium	0.588	1.0463		1.0377			1		P
Calcium		12085.7814		11471.5629			5		P
Chromium		18.5527		16.3067			13		P
Cobalt	5.875	6.3589		6.8436			7		P
Copper		38.4712		18.6389			69	*	P
Iron		18095.9655		16800.6267			7		P
Lead		15.9209		14.3948			10		P
Magnesium		8253.5057		7510.7716			9		P
Manganese		444.1520		578.1590			26	*	P
Mercury		0.0333	LTC	0.0310	LTC		7		CV
Nickel	4.700	15.7054		15.5206			1		P
Potassium	587.544	1456.4826		1228.9463			17		P
Selenium		0.4432	LTC	0.3132	LTC		34		P
Silver		1.1751	BDL	1.1751	BDL				P
Sodium		106.4438	LTC	94.1884	LTC		12		P
Thallium		2.9377	BDL	2.9377	BDL				P
Vanadium		33.3987		31.2746			7		P
Zinc		140.0313		117.2452			18		P
Cyanide									

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0001
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	85.1	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001001
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13400.7051			P
7440-36-0	Antimony	7.0505	BDL		P
7440-38-2	Arsenic	9.3141			P
7440-39-3	Barium	135.9734			P
7440-41-7	Beryllium	0.5235	LTC		P
7440-43-9	Cadmium	1.0463			P
7440-70-2	Calcium	12085.7814			P
7440-47-3	Chromium	18.5527			P
7440-48-4	Cobalt	6.3589			P
7440-50-8	Copper	38.4712			P
7439-89-6	Iron	18095.9655			P
7439-92-1	Lead	15.9209			P
7439-95-4	Magnesium	8253.5057			P
7439-96-5	Manganese	444.1520			P
7439-97-6	Mercury	0.0333	LTC		CV
7440-02-0	Nickel	15.7054			P
7440-09-7	Potassium	1456.4826			P
7782-49-2	Selenium	0.4432	LTC		P
7440-22-4	Silver	1.1751	BDL		P
7440-23-5	Sodium	106.4438	LTC		P
7440-28-0	Thallium	2.9377	BDL		P
7440-62-2	Vanadium	33.3987			P
7440-66-6	Zinc	140.0313			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0002
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	84.2	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001004
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12978.6223			P
7440-36-0	Antimony	7.1259	BDL		P
7440-38-2	Arsenic	7.9066			P
7440-39-3	Barium	129.6754			P
7440-41-7	Beryllium	0.4949	LTC		P
7440-43-9	Cadmium	1.9194			P
7440-70-2	Calcium	6764.4893			P
7440-47-3	Chromium	16.5531			P
7440-48-4	Cobalt	6.9730			P
7440-50-8	Copper	17.1904			P
7439-89-6	Iron	17165.0831			P
7439-92-1	Lead	26.7106			P
7439-95-4	Magnesium	4569.9921			P
7439-96-5	Manganese	529.9248			P
7439-97-6	Mercury	0.0403	LTC		CV
7440-02-0	Nickel	14.9572			P
7440-09-7	Potassium	1558.5511			P
7782-49-2	Selenium	0.6746	LTC		P
7440-22-4	Silver	1.1876	BDL		P
7440-23-5	Sodium	89.8452	LTC		P
7440-28-0	Thallium	2.9691	BDL		P
7440-62-2	Vanadium	32.5855			P
7440-66-6	Zinc	224.0182			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0003
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	83.9	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001005
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13591.1800			P
7440-36-0	Antimony	7.1514	BDL		P
7440-38-2	Arsenic	6.5530			P
7440-39-3	Barium	130.4251			P
7440-41-7	Beryllium	0.5601	LTC		P
7440-43-9	Cadmium	2.1549			P
7440-70-2	Calcium	5948.9869			P
7440-47-3	Chromium	17.5058			P
7440-48-4	Cobalt	7.3507			P
7440-50-8	Copper	20.5391			P
7439-89-6	Iron	17570.9178			P
7439-92-1	Lead	31.8510			P
7439-95-4	Magnesium	3819.1498			P
7439-96-5	Manganese	391.8037			P
7439-97-6	Mercury	0.0340	LTC		CV
7440-02-0	Nickel	14.3449			P
7440-09-7	Potassium	1610.0516			P
7782-49-2	Selenium	0.6890	LTC		P
7440-22-4	Silver	1.1919	BDL		P
7440-23-5	Sodium	89.0914	LTC		P
7440-28-0	Thallium	2.9797	BDL		P
7440-62-2	Vanadium	34.1855			P
7440-66-6	Zinc	263.6909			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0004
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	83.3	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001006
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13101.6407			P
7440-36-0	Antimony	7.2029	BDL		P
7440-38-2	Arsenic	10.9560			P
7440-39-3	Barium	146.4146			P
7440-41-7	Beryllium	0.6920			P
7440-43-9	Cadmium	6.5329			P
7440-70-2	Calcium	8967.9872			P
7440-47-3	Chromium	16.4846			P
7440-48-4	Cobalt	6.5180			P
7440-50-8	Copper	37.2945			P
7439-89-6	Iron	18518.6074			P
7439-92-1	Lead	85.8183			P
7439-95-4	Magnesium	3554.3017			P
7439-96-5	Manganese	501.8888			P
7439-97-6	Mercury	0.1138	LTC		CV
7440-02-0	Nickel	14.2093			P
7440-09-7	Potassium	1825.6102			P
7782-49-2	Selenium	1.0545	LTC		P
7440-22-4	Silver	1.2005	BDL		P
7440-23-5	Sodium	113.2141	LTC		P
7440-28-0	Thallium	3.0012	BDL		P
7440-62-2	Vanadium	32.2833			P
7440-66-6	Zinc	1352.7811			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0005
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	81.2	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001007
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13222.0854			P
7440-36-0	Antimony	0.3880	LTC		P
7440-38-2	Arsenic	9.6096			P
7440-39-3	Barium	175.8621			P
7440-41-7	Beryllium	0.5550	LTC		P
7440-43-9	Cadmium	3.6082			P
7440-70-2	Calcium	10033.9080			P
7440-47-3	Chromium	21.3017			P
7440-48-4	Cobalt	6.2812			P
7440-50-8	Copper	29.9175			P
7439-89-6	Iron	19474.5484			P
7439-92-1	Lead	62.7915			P
7439-95-4	Magnesium	6256.1987			P
7439-96-5	Manganese	724.7947			P
7439-97-6	Mercury	0.0529	LTC		CV
7440-02-0	Nickel	19.5287			P
7440-09-7	Potassium	1649.2611			P
7782-49-2	Selenium	0.7122	LTC		P
7440-22-4	Silver	1.2315	BDL		P
7440-23-5	Sodium	92.6917	LTC		P
7440-28-0	Thallium	3.0788	BDL		P
7440-62-2	Vanadium	32.9561			P
7440-66-6	Zinc	375.8621			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0006
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	80.1	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001008
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12343.7786			P
7440-36-0	Antimony	7.4906	BDL		P
7440-38-2	Arsenic	11.4773			P
7440-39-3	Barium	177.6654			P
7440-41-7	Beryllium	0.6354			P
7440-43-9	Cadmium	5.6890			P
7440-70-2	Calcium	7834.2072			P
7440-47-3	Chromium	16.9367			P
7440-48-4	Cobalt	11.2816			P
7440-50-8	Copper	22.7303			P
7439-89-6	Iron	17888.0566			P
7439-92-1	Lead	55.0296			P
7439-95-4	Magnesium	4319.3092			P
7439-96-5	Manganese	810.8032			P
7439-97-6	Mercury	0.0561	LTC		CV
7440-02-0	Nickel	20.7628			P
7440-09-7	Potassium	1390.3870			P
7782-49-2	Selenium	0.6090	LTC		P
7440-22-4	Silver	1.2484	BDL		P
7440-23-5	Sodium	82.9039	LTC		P
7440-28-0	Thallium	3.1211	BDL		P
7440-62-2	Vanadium	34.9809			P
7440-66-6	Zinc	609.9459			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0007
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	79.9	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001009
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13832.2904			P
7440-36-0	Antimony	7.5094	BDL		P
7440-38-2	Arsenic	9.7551			P
7440-39-3	Barium	166.4164			P
7440-41-7	Beryllium	0.6063	LTC		P
7440-43-9	Cadmium	4.8863			P
7440-70-2	Calcium	7647.8932			P
7440-47-3	Chromium	19.2374			P
7440-48-4	Cobalt	6.1601	LTC		P
7440-50-8	Copper	22.5836			P
7439-89-6	Iron	18337.5052			P
7439-92-1	Lead	51.8694			P
7439-95-4	Magnesium	4640.2169			P
7439-96-5	Manganese	485.2858			P
7439-97-6	Mercury	0.0462	LTC		CV
7440-02-0	Nickel	15.7021			P
7440-09-7	Potassium	1595.3692			P
7782-49-2	Selenium	0.8392	LTC		P
7440-22-4	Silver	1.2516	BDL		P
7440-23-5	Sodium	83.5774	LTC		P
7440-28-0	Thallium	3.1289	BDL		P
7440-62-2	Vanadium	35.4585			P
7440-66-6	Zinc	606.4205			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0008
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	79.2	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001010
Color Before:	BLACK	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	14107.7441			P
7440-36-0	Antimony	0.7376	LTC		P
7440-38-2	Arsenic	13.3923			P
7440-39-3	Barium	235.1515			P
7440-41-7	Beryllium	0.8573			P
7440-43-9	Cadmium	18.9158			P
7440-70-2	Calcium	7115.8670			P
7440-47-3	Chromium	27.3973			P
7440-48-4	Cobalt	11.6940			P
7440-50-8	Copper	44.5202			P
7439-89-6	Iron	19459.5960			P
7439-92-1	Lead	250.8838			P
7439-95-4	Magnesium	3463.1313			P
7439-96-5	Manganese	1127.0455			P
7439-97-6	Mercury	0.1283			CV
7440-02-0	Nickel	20.0198			P
7440-09-7	Potassium	1295.5808			P
7782-49-2	Selenium	1.1692	LTC		P
7440-22-4	Silver	0.5213	LTC		P
7440-23-5	Sodium	130.7786	LTC		P
7440-28-0	Thallium	0.3324	LTC		P
7440-62-2	Vanadium	36.2340			P
7440-66-6	Zinc	2298.3586			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0009
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	83.8	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001011
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	11987.6691			P
7440-36-0	Antimony	7.1599	BDL		P
7440-38-2	Arsenic	10.8600			P
7440-39-3	Barium	173.2379			P
7440-41-7	Beryllium	0.6261			P
7440-43-9	Cadmium	4.8658			P
7440-70-2	Calcium	7497.9316			P
7440-47-3	Chromium	15.1651			P
7440-48-4	Cobalt	9.2076			P
7440-50-8	Copper	22.4646			P
7439-89-6	Iron	18112.1718			P
7439-92-1	Lead	70.0811			P
7439-95-4	Magnesium	4063.6038			P
7439-96-5	Manganese	774.7295			P
7439-97-6	Mercury	0.0696	LTC		CV
7440-02-0	Nickel	17.3604			P
7440-09-7	Potassium	1407.3588			P
7782-49-2	Selenium	0.4441	LTC		P
7440-22-4	Silver	1.1933	BDL		P
7440-23-5	Sodium	81.9097	LTC		P
7440-28-0	Thallium	2.9833	BDL		P
7440-62-2	Vanadium	32.4073			P
7440-66-6	Zinc	635.7239			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0010
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	80.0	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001012
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12744.1667			P
7440-36-0	Antimony	1.0641	LTC		P
7440-38-2	Arsenic	11.0317			P
7440-39-3	Barium	187.6750			P
7440-41-7	Beryllium	0.8367			P
7440-43-9	Cadmium	17.8725			P
7440-70-2	Calcium	9823.0417			P
7440-47-3	Chromium	21.0592			P
7440-48-4	Cobalt	7.0153			P
7440-50-8	Copper	40.6396			P
7439-89-6	Iron	18512.5000			P
7439-92-1	Lead	326.0667			P
7439-95-4	Magnesium	4011.7917			P
7439-96-5	Manganese	763.6792			P
7439-97-6	Mercury	0.1346			CV
7440-02-0	Nickel	17.5371			P
7440-09-7	Potassium	1860.4167			P
7782-49-2	Selenium	1.2145	LTC		P
7440-22-4	Silver	0.3675	LTC		P
7440-23-5	Sodium	132.9458	LTC		P
7440-28-0	Thallium	3.1250	BDL		P
7440-62-2	Vanadium	31.5233			P
7440-66-6	Zinc	2475.3333			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0011
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	80.7	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001013
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	11776.3321			P
7440-36-0	Antimony	7.4349	BDL		P
7440-38-2	Arsenic	7.7794			P
7440-39-3	Barium	171.1772			P
7440-41-7	Beryllium	0.6406			P
7440-43-9	Cadmium	5.8280			P
7440-70-2	Calcium	7001.8587			P
7440-47-3	Chromium	17.9380			P
7440-48-4	Cobalt	8.8416			P
7440-50-8	Copper	22.6671			P
7439-89-6	Iron	17565.8819			P
7439-92-1	Lead	55.5667			P
7439-95-4	Magnesium	3551.0120			P
7439-96-5	Manganese	700.6691			P
7439-97-6	Mercury	0.0561	LTC		CV
7440-02-0	Nickel	17.1846			P
7440-09-7	Potassium	1615.2416			P
7782-49-2	Selenium	0.5144	LTC		P
7440-22-4	Silver	1.2392	BDL		P
7440-23-5	Sodium	123.7959	LTC		P
7440-28-0	Thallium	3.0979	BDL		P
7440-62-2	Vanadium	30.0876			P
7440-66-6	Zinc	685.7538			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0012
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	77.2	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001014
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	11918.1779			P
7440-36-0	Antimony	0.5368	LTC		P
7440-38-2	Arsenic	11.3251			P
7440-39-3	Barium	213.5579			P
7440-41-7	Beryllium	0.6922			P
7440-43-9	Cadmium	15.4028			P
7440-70-2	Calcium	7158.5492			P
7440-47-3	Chromium	18.5475			P
7440-48-4	Cobalt	10.4487			P
7440-50-8	Copper	36.5000			P
7439-89-6	Iron	18166.2349			P
7439-92-1	Lead	139.6459			P
7439-95-4	Magnesium	3281.5630			P
7439-96-5	Manganese	891.1528			P
7439-97-6	Mercury	0.1012	LTC		CV
7440-02-0	Nickel	20.7237			P
7440-09-7	Potassium	1888.5147			P
7782-49-2	Selenium	1.0112	LTC		P
7440-22-4	Silver	0.2314	LTC		P
7440-23-5	Sodium	112.3709	LTC		P
7440-28-0	Thallium	3.2383	BDL		P
7440-62-2	Vanadium	30.9383			P
7440-66-6	Zinc	1845.7686			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0013
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	77.9	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001015
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13314.0779			P
7440-36-0	Antimony	0.5733	LTC		P
7440-38-2	Arsenic	9.2067			P
7440-39-3	Barium	181.1468			P
7440-41-7	Beryllium	0.6156	LTC		P
7440-43-9	Cadmium	6.4848			P
7440-70-2	Calcium	10343.2178			P
7440-47-3	Chromium	25.1031			P
7440-48-4	Cobalt	8.2980			P
7440-50-8	Copper	31.8139			P
7439-89-6	Iron	19103.5516			P
7439-92-1	Lead	68.4279			P
7439-95-4	Magnesium	6149.5507			P
7439-96-5	Manganese	660.4964			P
7439-97-6	Mercury	0.0773	LTC		CV
7440-02-0	Nickel	19.5208			P
7440-09-7	Potassium	1518.6136			P
7782-49-2	Selenium	0.8881	LTC		P
7440-22-4	Silver	0.1494	LTC		P
7440-23-5	Sodium	121.4763	LTC		P
7440-28-0	Thallium	3.2092	BDL		P
7440-62-2	Vanadium	35.1690			P
7440-66-6	Zinc	675.6953			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0014
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	76.5	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001016
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	10424.9673			P
7440-36-0	Antimony	7.8431	BDL		P
7440-38-2	Arsenic	13.6383			P
7440-39-3	Barium	164.5708			P
7440-41-7	Beryllium	0.5669	LTC		P
7440-43-9	Cadmium	7.5357			P
7440-70-2	Calcium	4623.7037			P
7440-47-3	Chromium	14.5407			P
7440-48-4	Cobalt	6.2588	LTC		P
7440-50-8	Copper	24.5747			P
7439-89-6	Iron	14936.8192			P
7439-92-1	Lead	94.1686			P
7439-95-4	Magnesium	2159.4336			P
7439-96-5	Manganese	536.1699			P
7439-97-6	Mercury	0.0707	LTC		CV
7440-02-0	Nickel	13.4026			P
7440-09-7	Potassium	1559.8257			P
7782-49-2	Selenium	0.4274	LTC		P
7440-22-4	Silver	0.1185	LTC		P
7440-23-5	Sodium	103.1238	LTC		P
7440-28-0	Thallium	3.2680	BDL		P
7440-62-2	Vanadium	26.0863			P
7440-66-6	Zinc	925.2375			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0015
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	81.5	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001017
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	11221.4315			P
7440-36-0	Antimony	1.2422	LTC		P
7440-38-2	Arsenic	11.2924			P
7440-39-3	Barium	163.8078			P
7440-41-7	Beryllium	0.7809			P
7440-43-9	Cadmium	15.9783			P
7440-70-2	Calcium	10666.3804			P
7440-47-3	Chromium	16.7591			P
7440-48-4	Cobalt	7.8366			P
7440-50-8	Copper	48.1730			P
7439-89-6	Iron	18783.6401			P
7439-92-1	Lead	206.5644			P
7439-95-4	Magnesium	3653.9877			P
7439-96-5	Manganese	733.6155			P
7439-97-6	Mercury	0.1826			CV
7440-02-0	Nickel	18.3783			P
7440-09-7	Potassium	1820.6544			P
7782-49-2	Selenium	0.5503	LTC		P
7440-22-4	Silver	0.3143	LTC		P
7440-23-5	Sodium	160.6830	LTC		P
7440-28-0	Thallium	3.0675	BDL		P
7440-62-2	Vanadium	28.7685			P
7440-66-6	Zinc	1901.2679			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0016
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	85.9	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001018
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12038.8048			P
7440-36-0	Antimony	0.4665	LTC		P
7440-38-2	Arsenic	78.1102			P
7440-39-3	Barium	208.1219			P
7440-41-7	Beryllium	0.5866			P
7440-43-9	Cadmium	7.2097			P
7440-70-2	Calcium	8925.0291			P
7440-47-3	Chromium	17.3803			P
7440-48-4	Cobalt	7.6730			P
7440-50-8	Copper	24.3749			P
7439-89-6	Iron	15844.7808			P
7439-92-1	Lead	93.5898			P
7439-95-4	Magnesium	4133.4886			P
7439-96-5	Manganese	329.4645			P
7439-97-6	Mercury	0.0540	LTC		CV
7440-02-0	Nickel	16.8653			P
7440-09-7	Potassium	1252.7357			P
7782-49-2	Selenium	0.4269	LTC		P
7440-22-4	Silver	0.6366	LTC		P
7440-23-5	Sodium	107.8820	LTC		P
7440-28-0	Thallium	2.9104	BDL		P
7440-62-2	Vanadium	29.1797			P
7440-66-6	Zinc	868.2965			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0017
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	79.4	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001019
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12772.0403			P
7440-36-0	Antimony	0.6268	LTC		P
7440-38-2	Arsenic	11.3178			P
7440-39-3	Barium	211.3392			P
7440-41-7	Beryllium	0.7835			P
7440-43-9	Cadmium	11.9540			P
7440-70-2	Calcium	11162.0067			P
7440-47-3	Chromium	17.1394			P
7440-48-4	Cobalt	6.1199	LTC		P
7440-50-8	Copper	34.6381			P
7439-89-6	Iron	21628.0437			P
7439-92-1	Lead	170.7976			P
7439-95-4	Magnesium	4264.1478			P
7439-96-5	Manganese	483.1612			P
7439-97-6	Mercury	0.0816	LTC		CV
7440-02-0	Nickel	17.0180			P
7440-09-7	Potassium	2043.2830			P
7782-49-2	Selenium	1.0307	LTC		P
7440-22-4	Silver	1.2594	BDL		P
7440-23-5	Sodium	120.8963	LTC		P
7440-28-0	Thallium	3.1486	BDL		P
7440-62-2	Vanadium	32.3325			P
7440-66-6	Zinc	1459.7817			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0018
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	76.1	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001020
Color Before:	BLACK	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12822.4704			P
7440-36-0	Antimony	0.7653	LTC		P
7440-38-2	Arsenic	20.0175			P
7440-39-3	Barium	270.4950			P
7440-41-7	Beryllium	0.7364			P
7440-43-9	Cadmium	18.4647			P
7440-70-2	Calcium	7725.7118			P
7440-47-3	Chromium	16.6741			P
7440-48-4	Cobalt	7.7417			P
7440-50-8	Copper	40.7512			P
7439-89-6	Iron	18346.0359			P
7439-92-1	Lead	162.8077			P
7439-95-4	Magnesium	2595.2256			P
7439-96-5	Manganese	817.2930			P
7439-97-6	Mercury	0.1787			CV
7440-02-0	Nickel	17.8712			P
7440-09-7	Potassium	1915.3745			P
7782-49-2	Selenium	0.8193	LTC		P
7440-22-4	Silver	0.1607	LTC		P
7440-23-5	Sodium	109.7078	LTC		P
7440-28-0	Thallium	3.2852	BDL		P
7440-62-2	Vanadium	32.5199			P
7440-66-6	Zinc	2266.9733			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0019
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	76.9	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001021
Color Before:	BLACK	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	15545.5729			P
7440-36-0	Antimony	1.4130	LTC		P
7440-38-2	Arsenic	18.2856			P
7440-39-3	Barium	255.5252			P
7440-41-7	Beryllium	0.8921			P
7440-43-9	Cadmium	29.8954			P
7440-70-2	Calcium	8059.5052			P
7440-47-3	Chromium	21.5087			P
7440-48-4	Cobalt	7.1546			P
7440-50-8	Copper	61.2344			P
7439-89-6	Iron	21532.9861			P
7439-92-1	Lead	292.9644			P
7439-95-4	Magnesium	3721.5712			P
7439-96-5	Manganese	609.6832			P
7439-97-6	Mercury	0.1958			CV
7440-02-0	Nickel	20.0130			P
7440-09-7	Potassium	2306.0330			P
7782-49-2	Selenium	1.0870	LTC		P
7440-22-4	Silver	0.7159	LTC		P
7440-23-5	Sodium	159.5443	LTC		P
7440-28-0	Thallium	0.4044	LTC		P
7440-62-2	Vanadium	37.2426			P
7440-66-6	Zinc	3685.4167			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0020
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	75.4	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	7118001022
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13410.2564			P
7440-36-0	Antimony	7.9576	BDL		P
7440-38-2	Arsenic	9.1804			P
7440-39-3	Barium	168.6030			P
7440-41-7	Beryllium	0.5290	LTC		P
7440-43-9	Cadmium	6.0084			P
7440-70-2	Calcium	5786.6490			P
7440-47-3	Chromium	18.6830			P
7440-48-4	Cobalt	8.7561			P
7440-50-8	Copper	23.1216			P
7439-89-6	Iron	19371.7949			P
7439-92-1	Lead	46.9103			P
7439-95-4	Magnesium	3307.7365			P
7439-96-5	Manganese	740.2653			P
7439-97-6	Mercury	0.0389	LTC		CV
7440-02-0	Nickel	18.2759			P
7440-09-7	Potassium	2136.1627			P
7782-49-2	Selenium	0.5861	LTC		P
7440-22-4	Silver	1.3263	BDL		P
7440-23-5	Sodium	96.1256	LTC		P
7440-28-0	Thallium	3.3156	BDL		P
7440-62-2	Vanadium	34.8767			P
7440-66-6	Zinc	704.0495			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Preparation Blank	Sample No.:	PBS
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/	Case No.:	36348
% Solids:	100.0	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	18558
Color Before:		Date Received:	
Color After:		Date Prepared:	05/10/2007
Clarity Before:		Texture:	
Clarity After:		Artifacts:	

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.100	BDL		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Preparation Blank	Sample No.:	PBS
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	100.0	SDG No.:	ME0001
Concentration Units:	MG/KG	Lab Sample ID:	BLANK
Color Before:		Date Received:	
Color After:		Date Prepared:	04/28/2007 12:00
Clarity Before:		Texture:	
Clarity After:		Artifacts:	

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	20.000	BDL		P
7440-36-0	Antimony	6.000	BDL		P
7440-38-2	Arsenic	1.000	BDL		P
7440-39-3	Barium	0.103	LTC		P
7440-41-7	Beryllium	0.500	BDL		P
7440-43-9	Cadmium	0.500	BDL		P
7440-70-2	Calcium	8.717	LTC		P
7440-47-3	Chromium	1.000	BDL		P
7440-48-4	Cobalt	5.000	BDL		P
7440-50-8	Copper	2.500	BDL		P
7439-89-6	Iron	10.000	BDL		P
7439-92-1	Lead	0.261	LTC		P
7439-95-4	Magnesium	500.000	BDL		P
7439-96-5	Manganese	1.500	BDL		P
7439-97-6	Mercury				
7440-02-0	Nickel	4.000	BDL		P
7440-09-7	Potassium	500.000	BDL		P
7782-49-2	Selenium	3.500	BDL		P
7440-22-4	Silver	1.000	BDL		P
7440-23-5	Sodium	500.000	BDL		P
7440-28-0	Thallium	2.500	BDL		P
7440-62-2	Vanadium	5.000	BDL		P
7440-66-6	Zinc	-0.269	LTC		P
57-12-5	Cyanide				

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICSAI

Date: 04/29/2007
Time: 19:33

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	248000			102
Antimony	0.00	4.5	LTC		
Arsenic	0.00	0.95	BDL		
Barium	2.00	2.4	LTC		120
Beryllium	0.00	0.25	LTC		
Cadmium	0.00	1.9	LTC		
Calcium	234100.00	247000			106
Chromium	36.00	35.6			99
Cobalt	0.00	1.8	LTC		
Copper	3.00	18.1	LTC		603
Iron	94900.00	97300			103
Lead	5.00	5.9	LTC		118
Magnesium	248800.00	260000			105
Manganese	19.00	24.5			129
Nickel	10.00	10.5	LTC		105
Potassium	0.00	-2.0	BDL		
Selenium	0.00	6.8	LTC		
Silver	0.00	-0.71	LTC		
Sodium	0.00	601	LTC		
Thallium	0.00	-1.5	BDL		
Vanadium	1.00	-1.5	LTC		-150
Zinc	39.00	42.7	LTC		109

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICSABI

Date: 04/29/2007
Time: 19:39

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	248000			100
Antimony	585.00	649			111
Arsenic	97.00	110			113
Barium	475.00	500			105
Beryllium	482.00	491			102
Cadmium	916.00	1010			110
Calcium	234300.00	247000			105
Chromium	506.00	538			106
Cobalt	455.00	489			107
Copper	537.00	562			105
Iron	95100.00	97400			102
Lead	51.00	54.9			108
Magnesium	254100.00	259000			102
Manganese	483.00	507			105
Nickel	930.00	1000			108
Potassium	0.00	6.9	BDL		
Selenium	51.00	62.6			123
Silver	210.00	205			98
Sodium	0.00	607	LTC		
Thallium	96.00	97.9			102
Vanadium	481.00	501			104
Zinc	975.00	1050			108

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICSAF

Date: 04/29/2007
Time: 21:53

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	248000			102
Antimony	0.00	3.2	LTC		
Arsenic	0.00	2.0	LTC		
Barium	2.00	2.3	LTC		115
Beryllium	0.00	0.25	LTC		
Cadmium	0.00	1.7	LTC		
Calcium	234100.00	248000			106
Chromium	36.00	35.1			98
Cobalt	0.00	1.8	LTC		
Copper	3.00	17.9	LTC		597
Iron	94900.00	96900			102
Lead	5.00	7.5	LTC		150
Magnesium	248800.00	263000			106
Manganese	19.00	24.4			128
Nickel	10.00	11.0	LTC		110
Potassium	0.00	2.7	BDL		
Selenium	0.00	2.2	LTC		
Silver	0.00	-0.76	LTC		
Sodium	0.00	631	LTC		
Thallium	0.00	-1.5	BDL		
Vanadium	1.00	-1.1	LTC		-110
Zinc	39.00	57.9	LTC		148

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICSABF

Date: 04/29/2007
Time: 21:59

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	250000			101
Antimony	585.00	644			110
Arsenic	97.00	109			112
Barium	475.00	503			106
Beryllium	482.00	492			102
Cadmium	916.00	1020			111
Calcium	234300.00	250000			107
Chromium	506.00	535			106
Cobalt	455.00	490			108
Copper	537.00	550			102
Iron	95100.00	97900			103
Lead	51.00	57.9			114
Magnesium	254100.00	264000			104
Manganese	483.00	511			106
Nickel	930.00	1010			109
Potassium	0.00	-22.0	BDL		
Selenium	51.00	58.0			114
Silver	210.00	206			98
Sodium	0.00	638	LTC		
Thallium	96.00	99.4			104
Vanadium	481.00	508			106
Zinc	975.00	1060			109

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICSAF2

Date: 04/29/2007
Time: 23:28

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	247000			101
Antimony	0.00	4.5	LTC		
Arsenic	0.00	2.6	LTC		
Barium	2.00	2.5	LTC		125
Beryllium	0.00	0.27	LTC		
Cadmium	0.00	1.7	LTC		
Calcium	234100.00	248000			106
Chromium	36.00	34.9			97
Cobalt	0.00	1.8	LTC		
Copper	3.00	17.0	LTC		567
Iron	94900.00	96900			102
Lead	5.00	5.8	LTC		116
Magnesium	248800.00	262000			105
Manganese	19.00	24.1			127
Nickel	10.00	10.9	LTC		109
Potassium	0.00	-28.3	BDL		
Selenium	0.00	5.4	LTC		
Silver	0.00	-0.90	LTC		
Sodium	0.00	623	LTC		
Thallium	0.00	-1.8	BDL		
Vanadium	1.00	-1.2	LTC		-120
Zinc	39.00	41.9	LTC		107

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0001	Method:	P	SDG No.:	ME0001

Sample: ICSABF2

Date: 04/29/2007
Time: 23:33

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	249000			100
Antimony	585.00	642			110
Arsenic	97.00	109			112
Barium	475.00	501			105
Beryllium	482.00	489			101
Cadmium	916.00	1010			110
Calcium	234300.00	249000			106
Chromium	506.00	533			105
Cobalt	455.00	487			107
Copper	537.00	545			101
Iron	95100.00	97200			102
Lead	51.00	55.6			109
Magnesium	254100.00	264000			104
Manganese	483.00	508			105
Nickel	930.00	1010			109
Potassium	0.00	-36.6	BDL		
Selenium	51.00	60.3			118
Silver	210.00	208			99
Sodium	0.00	637	LTC		
Thallium	96.00	98.8			103
Vanadium	481.00	509			106
Zinc	975.00	1050			108

Inorganic Laboratory Control Sample Analysis

Lab Name:	DATACHEM LABORATORIES	Sample No.:	LCSS
Lab ID:	DATAC	Contract:	EP-W-06-054
Solid LCS Source:	LCSS(0405)	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001
Date Prepared:	04/28/2007 12:00		

Analyte	True	Found	C	Limits Lower	Limits Upper	Laboratory Reported %R	CADRE Calculated %R
Aluminum	115.0	114.6		54.7	175.0		100
Antimony	66.0	78.4		27.6	104.0		119
Arsenic	253.0	306.7		154.0	352.0		121
Barium	1.6	1.8	LTC	1.0	2.2		113
Beryllium	4.9	5.2		3.0	6.8		106
Cadmium	10.9	12.4		7.7	14.0		114
Calcium	44200.0	49967.3		30300.0	58200.0		113
Chromium	27.1	30.5		18.5	35.7		113
Cobalt	37.4	44.3		24.2	50.6		118
Copper	1770.0	2042.2		1320.0	2230.0		115
Iron	6470.0	7139.8		4280.0	8660.0		110
Lead	56.9	64.4		41.4	72.4		113
Magnesium	29200.0	32425.7		20500.0	37900.0		111
Manganese	61.0	65.0		41.6	80.5		107
Mercury							
Nickel	16.3	17.8		9.0	23.7		109
Potassium	39.7	21.3	LTC	0.0	85.3		54
Selenium	10.0	12.2		4.1	15.9		122
Silver	5.9	5.9		2.7	9.1		100
Sodium	72.5	46.7	LTC	0.0	216.0		64
Thallium	9.5	10.2		2.9	16.1		107
Vanadium	17.6	19.5		11.6	23.7		111
Zinc	47.5	51.3		20.5	74.4		108
Cyanide							

Inorganic Laboratory Control Sample Analysis

Lab Name:	DATACHEM LABORATORIES	Sample No.:	LCSS
Lab ID:	DATAC	Contract:	EP-W-06-054
Solid LCS Source:	LCSS(0405)	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0001
Date Prepared:	05/10/2007		

Analyte	True	Found	C	Limits Lower	Limits Upper	Laboratory Reported %R	CADRE Calculated %R
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury	3.6	3.4		1.9	5.3		94
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Thallium							
Vanadium							
Zinc							
Cyanide							

Inorganic Matrix Spike Analysis

		Sample No.:	ME0001S
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0001
Concentration Units:	MG/KG	% Solids:	85.1

Analyte	Spiked Sample Result(SSR)	C	Sample Result(SR)	C	Spike Added(SA)	Laboratory Reported %R	CADRE Calculated %R	Q	M
Aluminum									
Antimony	8.4221		7.0505	BDL	23.50		36	N	P
Arsenic	18.9307		9.3141		9.40		102		P
Barium	631.4219		135.9734		470.04		105		P
Beryllium	11.5761		0.5235	LTC	11.75		94		P
Cadmium	12.2906		1.0463		11.75		96		P
Calcium									
Chromium	61.2722		18.5527		47.00		91		P
Cobalt	120.7129		6.3589		117.51		97		P
Copper	78.2002		38.4712		58.75		68	N	P
Iron									
Lead	23.1379		15.9209		4.70		154	N	P
Magnesium									
Manganese	1336.8194		444.1520		117.51		760	N	P
Mercury	0.6009		0.0333	LTC	0.59		96		CV
Nickel	125.9107		15.7054		117.51		94		P
Potassium									
Selenium	11.1945		0.4432	LTC	11.75		92		P
Silver	10.7357		1.1751	BDL	11.75		91		P
Sodium									
Thallium	11.1096		2.9377	BDL	11.75		95		P
Vanadium	143.0944		33.3987		117.51		93		P
Zinc	316.9644		140.0313		117.51		151	N	P
Cyanide									

Inorganic Post-Digest Spike Analysis

		Sample No.:	ME0001A
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0001
Concentration Units:	UG/L		

Analyte	Spiked Sample Result(SSR)	C	Sample Result(SR)	C	Spike Added(SA)	Laboratory Reported %R	CADRE Calculated %R	Q	M
Aluminum									
Antimony	110.36		60.00	BDL	120.00		92		P
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	935.12		327.39		655.00		93		P
Iron									
Lead	380.25		135.49		271.00		90		P
Magnesium									
Manganese	9978.03		3779.73		7560.00		82		P
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc	3212.10		1191.67		2380.00		85		P
Cyanide									

Inorganic Serial Dilution Analysis

		Sample No.:	ME0001L
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0001
Concentration Units:	UG/L		

Analyte	Initial Sample Result(I)	C	Serial Dilution Result(S)	C	Laboratory Reported %D	CADRE Calculated %D	Q	M
Aluminum	114040.00		114528.33			0		P
Antimony	60.00	BDL	300.00	BDL				P
Arsenic	79.26		74.77			6		P
Barium	1157.13		1174.20			1		P
Beryllium	4.46	LTC	4.95	LTC		11		P
Cadmium	8.90		8.36	LTC		6		P
Calcium	102850.00		105085.00			2		P
Chromium	157.88		153.06			3		P
Cobalt	54.11		54.52	LTC		1		P
Copper	327.39		305.80			7		P
Iron	153996.67		159233.33			3		P
Lead	135.49		134.08			1		P
Magnesium	70237.33		71343.33			2		P
Manganese	3779.73		3894.53			3		P
Mercury								
Nickel	133.65		133.08	LTC		0		P
Potassium	12394.67		12253.00	LTC		1		P
Selenium	3.77	LTC	175.00	BDL		100		P
Silver	10.00	BDL	50.00	BDL				P
Sodium	905.84	LTC	712.90	LTC		21		P
Thallium	25.00	BDL	125.00	BDL				P
Vanadium	284.22		287.03			1		P
Zinc	1191.67		1174.00			1		P
Cyanide								

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0001 File Name: ME0001

Sample No.:	ME0001	ME0001D	ME0001S	ME0002	ME0003
Regional No.:	ME0001	ME0001D	ME0001S	ME0002	ME0003
Sample Location:	MHS-002-BY-1	MHS-002-BY-1	MHS-002-BY-1	MHS-004-FY-1	MHS-008-FY-1
Sample Type:	Routine Sample	Duplicate	Matrix Spike	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	85.1	85.0	85.1	84.2	83.9
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	13400		11600				13000		13600	
Antimony	7.1	UJ	7.1	U	8.4		7.1	UJ	7.2	UJ
Arsenic	9.3		8.7		18.9		7.9		6.6	
Barium	136		139		631		130		130	
Beryllium	0.52	J	0.49	J	11.6		0.49	J	0.56	J
Cadmium	1.0		1.0		12.3		1.9		2.2	
Calcium	12100		11500				6760		5950	
Chromium	18.6		16.3		61.3		16.6		17.5	
Cobalt	6.4		6.8		121		7.0		7.4	
Copper	38.5	J	18.6		78.2		17.2	J	20.5	J
Iron	18100		16800				17200		17600	
Lead	15.9	J	14.4		23.1		26.7	J	31.9	J
Magnesium	8250		7510				4570		3820	
Manganese	444	J	578		1340		530	J	392	J
Mercury	0.033	J	0.031	J	0.60		0.040	J	0.034	J
Nickel	15.7		15.5		126		15.0		14.3	
Potassium	1460		1230				1560		1610	
Selenium	0.44	J	0.31	J	11.2		0.67	J	0.69	J
Silver	1.2	U	1.2	U	10.7		1.2	U	1.2	U
Sodium	106	J	94.2	J			89.8	J	89.1	J
Thallium	2.9	U	2.9	U	11.1		3.0	U	3.0	U
Vanadium	33.4		31.3		143		32.6		34.2	
Zinc	140	J	117		317		224	J	264	J
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0001 File Name: ME0001

Sample No.:	ME0004	ME0005	ME0006	ME0007	ME0008
Regional No.:	ME0004	ME0005	ME0006	ME0007	ME0008
Sample Location:	MHS-018-FY-1	MHS-024-FY-1	MHS-025-BY-1	MHS-025-BY-1 -DP	MHS-033-FY-1
Sample Type:	Routine Sample	Routine Sample	Routine Sample	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	83.3	81.2	80.1	79.9	79.2
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	13100		13200		12300		13800		14100	
Antimony	7.2	UJ	0.39	J	7.5	UJ	7.5	UJ	0.74	J
Arsenic	11.0		9.6		11.5		9.8		13.4	
Barium	146		176		178		166		235	
Beryllium	0.69		0.56	J	0.64		0.61	J	0.86	
Cadmium	6.5		3.6		5.7		4.9		18.9	
Calcium	8970		10000		7830		7650		7120	
Chromium	16.5		21.3		16.9		19.2		27.4	
Cobalt	6.5		6.3		11.3		6.2	UJ	11.7	
Copper	37.3	J	29.9	J	22.7	J	22.6	J	44.5	J
Iron	18500		19500		17900		18300		19500	
Lead	85.8	J	62.8	J	55.0	J	51.9	J	251	J
Magnesium	3550		6260		4320		4640		3460	
Manganese	502	J	725	J	811	J	485	J	1130	J
Mercury	0.11	J	0.053	J	0.056	J	0.046	J	0.13	
Nickel	14.2		19.5		20.8		15.7		20.0	
Potassium	1830		1650		1390		1600		1300	
Selenium	1.1	J	0.71	J	0.61	J	0.84	J	1.2	J
Silver	1.2	U	1.2	U	1.2	U	1.3	U	0.52	J
Sodium	113	J	92.7	J	82.9	J	83.6	J	131	J
Thallium	3.0	U	3.1	U	3.1	U	3.1	U	0.33	J
Vanadium	32.3		33.0		35.0		35.5		36.2	
Zinc	1350	J	376	J	610	J	606	J	2300	J
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0001 File Name: ME0001

Sample No.:	ME0009	ME0010	ME0011	ME0012	ME0013
Regional No.:	ME0009	ME0010	ME0011	ME0012	ME0013
Sample Location:	MHS-034-FY-2	MHS-036-SY-1	MHS-037-FY-1	MHS-037-SY-1	MHS-041-BY-1
Sample Type:	Routine Sample	Routine Sample	Routine Sample	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	83.8	80.0	80.7	77.2	77.9
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	12000		12700		11800		11900		13300	
Antimony	7.2	UJ	1.1	J	7.4	UJ	0.54	J	0.57	J
Arsenic	10.9		11.0		7.8		11.3		9.2	
Barium	173		188		171		214		181	
Beryllium	0.63		0.84		0.64		0.69		0.62	J
Cadmium	4.9		17.9		5.8		15.4		6.5	
Calcium	7500		9820		7000		7160		10300	
Chromium	15.2		21.1		17.9		18.5		25.1	
Cobalt	9.2		7.0		8.8		10.4		8.3	
Copper	22.5	J	40.6	J	22.7	J	36.5	J	31.8	J
Iron	18100		18500		17600		18200		19100	
Lead	70.1	J	326	J	55.6	J	140	J	68.4	J
Magnesium	4060		4010		3550		3280		6150	
Manganese	775	J	764	J	701	J	891	J	660	J
Mercury	0.070	J	0.13		0.056	J	0.10	J	0.077	J
Nickel	17.4		17.5		17.2		20.7		19.5	
Potassium	1410		1860		1620		1890		1520	
Selenium	0.44	J	1.2	J	0.51	J	1.0	J	0.89	J
Silver	1.2	U	0.37	J	1.2	U	0.23	J	0.15	J
Sodium	81.9	J	133	J	124	J	112	J	121	J
Thallium	3.0	U	3.1	U	3.1	U	3.2	U	3.2	U
Vanadium	32.4		31.5		30.1		30.9		35.2	
Zinc	636	J	2480	J	686	J	1850	J	676	J
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0001 File Name: ME0001

Sample No.:	ME0014	ME0015	ME0016	ME0017	ME0018
Regional No.:	ME0014	ME0015	ME0016	ME0017	ME0018
Sample Location:	MHS-049-BY-1	MHS-050-FY-1	MHS-055-FY-1	MHS-057-BY-1	MHS-059-BY-2
Sample Type:	Routine Sample	Routine Sample	Routine Sample	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	76.5	81.5	85.9	79.4	76.1
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	10400		11200		12000		12800		12800	
Antimony	7.8	UJ	1.2	J	0.47	J	0.63	J	0.77	J
Arsenic	13.6		11.3		78.1		11.3		20.0	
Barium	165		164		208		211		270	
Beryllium	0.57	J	0.78		0.59		0.78		0.74	
Cadmium	7.5		16.0		7.2		12.0		18.5	
Calcium	4620		10700		8930		11200		7730	
Chromium	14.5		16.8		17.4		17.1		16.7	
Cobalt	6.3	UJ	7.8		7.7		6.1	UJ	7.7	
Copper	24.6	J	48.2	J	24.4	J	34.6	J	40.8	J
Iron	14900		18800		15800		21600		18300	
Lead	94.2	J	207	J	93.6	J	171	J	163	J
Magnesium	2160		3650		4130		4260		2600	
Manganese	536	J	734	J	329	J	483	J	817	J
Mercury	0.071	J	0.18		0.054	J	0.082	J	0.18	
Nickel	13.4		18.4		16.9		17.0		17.9	
Potassium	1560		1820		1250		2040		1920	
Selenium	0.43	J	0.55	J	0.43	J	1.0	J	0.82	J
Silver	0.12	J	0.31	J	0.64	J	1.3	U	0.16	J
Sodium	103	J	161	J	108	J	121	J	110	J
Thallium	3.3	U	3.1	U	2.9	U	3.1	U	3.3	U
Vanadium	26.1		28.8		29.2		32.3		32.5	
Zinc	925	J	1900	J	868	J	1460	J	2270	J
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0001 File Name: ME0001

Sample No.:	ME0019	ME0020	PBS
Regional No.:	ME0019	ME0020	
Sample Location:	MHS-059-SY-1	MHS-061-FY-1	
Sample Type:	Routine Sample	Routine Sample	Preparation Blank
Matrix/Level:	Soil/Low	Soil/Low	Soil/
% Solids:	76.9	75.4	100.0
Units:	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag
Aluminum	15500		13400		20.0	U
Antimony	1.4	J	8.0	UJ	6.0	U
Arsenic	18.3		9.2		1.0	U
Barium	256		169		0.10	
Beryllium	0.89		0.53	J	0.50	U
Cadmium	29.9		6.0		0.50	U
Calcium	8060		5790		8.7	
Chromium	21.5		18.7		1.0	U
Cobalt	7.2		8.8		5.0	U
Copper	61.2	J	23.1	J	2.5	U
Iron	21500		19400		10.0	U
Lead	293	J	46.9	J	0.26	
Magnesium	3720		3310		500	U
Manganese	610	J	740	J	1.5	U
Mercury	0.20		0.039	J	0.10	U
Nickel	20.0		18.3		4.0	U
Potassium	2310		2140		500	U
Selenium	1.1	J	0.59	J	3.5	U
Silver	0.72	J	1.3	U	1.0	U
Sodium	160	J	96.1	J	500	U
Thallium	0.40	J	3.3	U	2.5	U
Vanadium	37.2		34.9		5.0	U
Zinc	3690	J	704	J	-0.269	
Cyanide						

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	AAS-CVG
Case No.:	36348	Method Type:	CV
SDG No.:	ME0001	Date Analyzed:	01/10/2007
Preparation Code:	CS1	Date Prepared:	01/10/07 00:00

CAS No.	Analyte	MDL MG/KG
7429-90-5	Aluminum	
7440-36-0	Antimony	
7440-38-2	Arsenic	
7440-39-3	Barium	
7440-41-7	Beryllium	
7440-43-9	Cadmium	
7440-70-2	Calcium	
7440-47-3	Chromium	
7440-48-4	Cobalt	
7440-50-8	Copper	
7439-89-6	Iron	
7439-92-1	Lead	
7439-95-4	Magnesium	
7439-96-5	Manganese	
7439-97-6	Mercury	0.017
7440-02-0	Nickel	
7440-09-7	Potassium	
7782-49-2	Selenium	
7440-22-4	Silver	
7440-23-5	Sodium	
7440-28-0	Thallium	
7440-62-2	Vanadium	
7440-66-6	Zinc	
	Cyanide	

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	ICP07
Case No.:	36348	Method Type:	P
SDG No.:	ME0001	Date Analyzed:	01/12/2007
Preparation Code:	NP1	Date Prepared:	01/12/07 00:00

CAS No.	Analyte	MDL UG/L
7429-90-5	Aluminum	51.7
7440-36-0	Antimony	2.2
7440-38-2	Arsenic	1.9
7440-39-3	Barium	0.48
7440-41-7	Beryllium	0.20
7440-43-9	Cadmium	0.099
7440-70-2	Calcium	5.5
7440-47-3	Chromium	2.4
7440-48-4	Cobalt	0.40
7440-50-8	Copper	4.1
7439-89-6	Iron	12.6
7439-92-1	Lead	1.4
7439-95-4	Magnesium	18.0
7439-96-5	Manganese	0.71
7439-97-6	Mercury	
7440-02-0	Nickel	2.2
7440-09-7	Potassium	40.0
7782-49-2	Selenium	2.2
7440-22-4	Silver	0.59
7440-23-5	Sodium	18.0
7440-28-0	Thallium	1.9
7440-62-2	Vanadium	0.67
7440-66-6	Zinc	1.8
	Cyanide	

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	ICP07
Case No.:	36348	Method Type:	P
SDG No.:	ME0001	Date Analyzed:	01/04/2007
Preparation Code:	HS1	Date Prepared:	01/04/07 00:00

CAS No.	Analyte	MDL MG/KG
7429-90-5	Aluminum	5.9
7440-36-0	Antimony	0.24
7440-38-2	Arsenic	0.30
7440-39-3	Barium	0.032
7440-41-7	Beryllium	0.028
7440-43-9	Cadmium	0.012
7440-70-2	Calcium	8.0
7440-47-3	Chromium	0.46
7440-48-4	Cobalt	0.067
7440-50-8	Copper	0.39
7439-89-6	Iron	1.3
7439-92-1	Lead	0.22
7439-95-4	Magnesium	2.3
7439-96-5	Manganese	0.15
7439-97-6	Mercury	
7440-02-0	Nickel	0.87
7440-09-7	Potassium	8.1
7782-49-2	Selenium	0.21
7440-22-4	Silver	0.085
7440-23-5	Sodium	5.0
7440-28-0	Thallium	0.21
7440-62-2	Vanadium	0.075
7440-66-6	Zinc	0.23
	Cyanide	

Invalid Contents Error Report

Case No.: 36348 SDG No.: ME0001 Lab ID: DATAC

File Name: U:\Apps\DAT\MFData\ASF\ME0001.asf

Line No.	Sample Number	Field Name	Reported Value	Error Type	Expected Format
1		Method Number	ILM05.4	InvalidValue	
257		Method Number	ILM05.4	InvalidValue	

Missing Contents Error Report

Case No.: 36348 SDG No.: ME0001 Lab ID: DATAC

File Name: U:\Apps\DAT\MFData\ASF\ME0001.asf

Line No.	Sample Number	Field Name
14	S0	First Instrument Value
19	S0.2	First Instrument Value
24	S0.5	First Instrument Value
29	S1.0	First Instrument Value
34	S5.0	First Instrument Value
375	S0	Lab Sample ID
422	S1500	Lab Sample ID
439	S10000	Lab Sample ID
460	S50000	Lab Sample ID
475	ICV	Lab Sample ID
522	ICB	Lab Sample ID
569	ICSAI	Lab Sample ID
616	ICSABI	Lab Sample ID
663	CCV	Lab Sample ID
710	CCB	Lab Sample ID
1080	ME0001L	Lab Sample ID
1324	CCV2	Lab Sample ID
1371	CCB2	Lab Sample ID
1761	ICSAF	Lab Sample ID
1808	ICSABF	Lab Sample ID
1855	CCV3	Lab Sample ID
1902	CCB3	Lab Sample ID
2341	ME0001A	Lab Sample ID
2355	CCV4	Lab Sample ID
2402	CCB4	Lab Sample ID
2449	CRIF2	Lab Sample ID
2496	ICSAF2	Lab Sample ID
2543	ICSABF2	Lab Sample ID
2590	CCV5	Lab Sample ID
2637	CCB5	Lab Sample ID

Analytical Sample Listing

Case No.: 36348 Protocol: INORG Lab ID: DATAC

SDG No.: ME0001 File Name: ME0001

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Code	Preparation Date	Preparation Time	Analysis Date	Analysis Time	Method	Instrument
LCSS	Laboratory Control Sample	Soil	Low			CS1	05/10/07	00:00	05/11/07	19:22	CV	AAS-CVG
						HS1	04/28/07	12:00	04/29/07	20:02	P	ICP07
ME0001	Post Digest Spike Original	Soil	Low	04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:07	P	ICP07
ME0001	Routine Sample	Soil	Low	04/23/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:24	CV	AAS-CVG
				04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:07	P	ICP07
ME0001	Serial Dilution Original	Soil	Low	04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:07	P	ICP07
ME0001A	Post Digest Spike	Soil	Low	04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	23:04	P	ICP07
ME0001D	Duplicate	Soil	Low	04/23/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:25	CV	AAS-CVG
				04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:19	P	ICP07
ME0001L	Serial Dilution	Soil	Low	04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:25	P	ICP07
ME0001S	Matrix Spike	Soil	Low	04/23/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:27	CV	AAS-CVG
				04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:13	P	ICP07
ME0002	Routine Sample	Soil	Low	04/23/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:28	CV	AAS-CVG
				04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:31	P	ICP07
ME0003	Routine Sample	Soil	Low	04/23/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:29	CV	AAS-CVG
				04/23/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:37	P	ICP07
ME0004	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:31	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:42	P	ICP07
ME0005	Routine Sample	Soil	Low	04/20/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:32	CV	AAS-CVG
				04/20/07	04/28/07	HS1	04/28/07	12:00	04/29/07	20:48	P	ICP07
ME0006	Routine Sample	Soil	Low	04/20/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:37	CV	AAS-CVG
				04/20/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:06	P	ICP07
ME0007	Routine Sample	Soil	Low	04/20/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:38	CV	AAS-CVG
				04/20/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:12	P	ICP07
ME0008	Routine Sample	Soil	Low	04/20/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:40	CV	AAS-CVG
				04/20/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:18	P	ICP07
ME0009	Routine Sample	Soil	Low	04/20/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:41	CV	AAS-CVG
				04/20/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:23	P	ICP07
ME0010	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:43	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:29	P	ICP07
ME0011	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:44	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:35	P	ICP07
ME0012	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:46	CV	AAS-CVG

Analytical Sample Listing

Case No.: 36348 Protocol: INORG Lab ID: DATAC

SDG No.: ME0001 File Name: ME0001

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Code	Preparation Date	Time	Analysis Date	Time	Method	Instrument
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/29/07	21:41	P	ICP07
ME0013	Routine Sample	Soil	Low	04/20/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:47	CV	AAS-CVG
				04/20/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:17	P	ICP07
ME0014	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:48	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:23	P	ICP07
ME0015	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:54	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:29	P	ICP07
ME0016	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:56	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:34	P	ICP07
ME0017	Routine Sample	Soil	Low	04/18/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:57	CV	AAS-CVG
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:40	P	ICP07
ME0018	Routine Sample	Soil	Low	04/18/07	04/28/07	CS1	05/10/07	00:00	05/11/07	19:59	CV	AAS-CVG
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:46	P	ICP07
ME0019	Routine Sample	Soil	Low	04/18/07	04/28/07	CS1	05/10/07	00:00	05/11/07	20:00	CV	AAS-CVG
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:52	P	ICP07
ME0020	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	20:02	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/29/07	22:58	P	ICP07
PBS	Preparation Blank	Soil				CS1	05/10/07	00:00	05/11/07	19:21	CV	AAS-CVG
						HS1	04/28/07	12:00	04/29/07	19:56	P	ICP07

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	AAS-CVG
Case No.:	36348			Method Type:	CV
SDG No.:	ME0001			File Name:	ME0001

Sample Number	Analysis Type	Analysis Date	Time	Analytes
MDL	Method Detection Limits	01/10/2007		Hg
LRV	Linear Range Values	05/11/2007		Hg
S0	Calibration Standard	05/11/2007	19:04	Hg
S0.2	Calibration Standard	05/11/2007	19:06	Hg
S0.5	Calibration Standard	05/11/2007	19:07	Hg
S1.0	Calibration Standard	05/11/2007	19:09	Hg
S5.0	Calibration Standard	05/11/2007	19:10	Hg
S10	Calibration Standard	05/11/2007	19:12	Hg
ICV	Initial Calibration	05/11/2007	19:13	Hg
ICB	Calibration Blank	05/11/2007	19:15	Hg
CCV	Continuing Calibration	05/11/2007	19:18	Hg
CCB	Calibration Blank	05/11/2007	19:19	Hg
PBS	Preparation Blank	05/11/2007	19:21	Hg
LCSS	Laboratory Control Sample	05/11/2007	19:22	Hg
ME0001	Routine Sample	05/11/2007	19:24	Hg
ME0001D	Duplicate	05/11/2007	19:25	Hg
ME0001S	Matrix Spike	05/11/2007	19:27	Hg
ME0002	Routine Sample	05/11/2007	19:28	Hg
ME0003	Routine Sample	05/11/2007	19:29	Hg
ME0004	Routine Sample	05/11/2007	19:31	Hg
ME0005	Routine Sample	05/11/2007	19:32	Hg
CCV2	Continuing Calibration	05/11/2007	19:34	Hg
CCB2	Calibration Blank	05/11/2007	19:35	Hg
ME0006	Routine Sample	05/11/2007	19:37	Hg
ME0007	Routine Sample	05/11/2007	19:38	Hg
ME0008	Routine Sample	05/11/2007	19:40	Hg
ME0009	Routine Sample	05/11/2007	19:41	Hg
ME0010	Routine Sample	05/11/2007	19:43	Hg
ME0011	Routine Sample	05/11/2007	19:44	Hg
ME0012	Routine Sample	05/11/2007	19:46	Hg
ME0013	Routine Sample	05/11/2007	19:47	Hg
ME0014	Routine Sample	05/11/2007	19:48	Hg
CCV3	Continuing Calibration	05/11/2007	19:51	Hg
CCB3	Calibration Blank	05/11/2007	19:53	Hg
ME0015	Routine Sample	05/11/2007	19:54	Hg
ME0016	Routine Sample	05/11/2007	19:56	Hg
ME0017	Routine Sample	05/11/2007	19:57	Hg
ME0018	Routine Sample	05/11/2007	19:59	Hg
ME0019	Routine Sample	05/11/2007	20:00	Hg
ME0020	Routine Sample	05/11/2007	20:02	Hg
CRIF2	CRDL/CRQL Standard (ICP)	05/11/2007	20:03	Hg
CCV4	Continuing Calibration	05/11/2007	20:05	Hg
CCB4	Calibration Blank	05/11/2007	20:06	Hg

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	ICP07
Case No.:	36348			Method Type:	P
SDG No.:	ME0001			File Name:	ME0001

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
MDL	Method Detection Limits	01/04/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
MDL	Method Detection Limits	01/12/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
LRV	Linear Range Values	04/17/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
S0	Calibration Standard	04/29/2007	18:51	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
S1500	Calibration Standard	04/29/2007	18:57	As Be Cd Pb Se Ag Tl
S10000	Calibration Standard	04/29/2007	19:03	Sb Ba Cr Co Cu Mn Ni V Zn
S50000	Calibration Standard	04/29/2007	19:09	Al Ca Fe Mg K Na
ICV	Initial Calibration	04/29/2007	19:15	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICB	Calibration Blank	04/29/2007	19:21	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAI	Interference Check Solution	04/29/2007	19:33	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABI	Interference Check Solution	04/29/2007	19:39	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV	Continuing Calibration	04/29/2007	19:45	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB	Calibration Blank	04/29/2007	19:51	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
PBS	Preparation Blank	04/29/2007	19:56	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
LCSS	Laboratory Control Sample	04/29/2007	20:02	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0001	Routine Sample	04/29/2007	20:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0001	Serial Dilution Original	04/29/2007	20:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0001	Post Digest Spike Original	04/29/2007	20:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0001S	Matrix Spike	04/29/2007	20:13	Sb As Ba Be Cd Cr Co Cu Pb Mn Ni Se Ag Tl V Zn
ME0001D	Duplicate	04/29/2007	20:19	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0001L	Serial Dilution	04/29/2007	20:25	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0002	Routine Sample	04/29/2007	20:31	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0003	Routine Sample	04/29/2007	20:37	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0004	Routine Sample	04/29/2007	20:42	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0005	Routine Sample	04/29/2007	20:48	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	ICP07
Case No.:	36348			Method Type:	P
SDG No.:	ME0001			File Name:	ME0001

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
				Mg Mn Ni K Se Ag Na Tl V Zn
CCV2	Continuing Calibration	04/29/2007	20:54	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB2	Calibration Blank	04/29/2007	21:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0006	Routine Sample	04/29/2007	21:06	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0007	Routine Sample	04/29/2007	21:12	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0008	Routine Sample	04/29/2007	21:18	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0009	Routine Sample	04/29/2007	21:23	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0010	Routine Sample	04/29/2007	21:29	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0011	Routine Sample	04/29/2007	21:35	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0012	Routine Sample	04/29/2007	21:41	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAF	Interference Check Solution	04/29/2007	21:53	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABF	Interference Check Solution	04/29/2007	21:59	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV3	Continuing Calibration	04/29/2007	22:05	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB3	Calibration Blank	04/29/2007	22:11	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0013	Routine Sample	04/29/2007	22:17	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0014	Routine Sample	04/29/2007	22:23	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0015	Routine Sample	04/29/2007	22:29	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0016	Routine Sample	04/29/2007	22:34	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0017	Routine Sample	04/29/2007	22:40	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0018	Routine Sample	04/29/2007	22:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0019	Routine Sample	04/29/2007	22:52	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0020	Routine Sample	04/29/2007	22:58	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0001A	Post Digest Spike	04/29/2007	23:04	Sb Cu Pb Mn Zn
CCV4	Continuing Calibration	04/29/2007	23:10	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB4	Calibration Blank	04/29/2007	23:15	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG	Instrument:	ICP07
Case No.:	36348		Method Type:	P
SDG No.:	ME0001		File Name:	ME0001

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
				Mg Mn Ni K Se Ag Na Tl V Zn
CRIF2	CRDL/CRQL Standard (ICP)	04/29/2007	23:21	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb
				Mg Mn Ni K Se Ag Na Tl V Zn
ICSAF2	Interference Check Solution	04/29/2007	23:28	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb
				Mg Mn Ni K Se Ag Na Tl V Zn
ICSABF2	Interference Check Solution	04/29/2007	23:33	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb
				Mg Mn Ni K Se Ag Na Tl V Zn
CCV5	Continuing Calibration	04/29/2007	23:39	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb
				Mg Mn Ni K Se Ag Na Tl V Zn
CCB5	Calibration Blank	04/29/2007	23:45	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb
				Mg Mn Ni K Se Ag Na Tl V Zn

Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0001
Site : MATTHIESSEN AND HEGELER ZINC COMPANY Number of Soil Samples : 20
Lab. : DATAC Number of Water Samples : 0
Reviewer :
Date :

Sample Number :	ME0001		ME0002		ME0003		ME0004		ME0005	
Sampling Location :	MHS-002-BY-		MHS-004-FY-		MHS-008-FY-		MHS-018-FY-		MHS-024-FY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/23/2007		4/23/2007		4/23/2007		4/24/2007		4/20/2007	
Time Sampled :										
%Solids :	85.1		84.2		83.9		83.3		81.2	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	13400		13000		13600		13100		13200	
ANTIMONY	7.1	UJ	7.1	UJ	7.2	UJ	7.2	UJ	0.39	J
ARSENIC	9.3		7.9		6.6		11.0		9.6	
BARIUM	136		130		130		146		176	
BERYLLIUM	0.52	J	0.49	J	0.56	J	0.69		0.56	J
CADMIUM	1.0		1.9		2.2		6.5		3.6	
CALCIUM	12100		6760		5950		8970		10000	
CHROMIUM	18.6		16.6		17.5		16.5		21.3	
COBALT	6.4		7.0		7.4		6.5		6.3	
COPPER	38.5	J	17.2	J	20.5	J	37.3	J	29.9	J
IRON	18100		17200		17600		18500		19500	
LEAD	15.9	J	26.7	J	31.9	J	85.8	J	62.8	J
MAGNESIUM	8250		4570		3820		3550		6260	
MANGANESE	444	J	530	J	392	J	502	J	725	J
MERCURY	0.033	J	0.040	J	0.034	J	0.11	J	0.053	J
NICKEL	15.7		15.0		14.3		14.2		19.5	
POTASSIUM	1460		1560		1610		1830		1650	
SELENIUM	0.44	J	0.67	J	0.69	J	1.1	J	0.71	J
SILVER	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
SODIUM	106	J	89.8	J	89.1	J	113	J	92.7	J
THALLIUM	2.9	U	3.0	U	3.0	U	3.0	U	3.1	U
VANADIUM	33.4		32.6		34.2		32.3		33.0	
ZINC	140	J	224	J	264	J	1350	J	376	J

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0001
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0006		ME0007		ME0008		ME0009		ME0010	
Sampling Location :	MHS-025-BY-		MHS-025-BY-		MHS-033-FY-		MHS-034-FY-		MHS-036-SY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/20/2007		4/20/2007		4/20/2007		4/20/2007		4/19/2007	
Time Sampled :										
%Solids :	80.1		79.9		79.2		83.8		80.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	12300		13800		14100		12000		12700	
ANTIMONY	7.5	UJ	7.5	UJ	0.74	J	7.2	UJ	1.1	J
ARSENIC	11.5		9.8		13.4		10.9		11.0	
BARIUM	178		166		235		173		188	
BERYLLIUM	0.64		0.61	J	0.86		0.63		0.84	
CADMIUM	5.7		4.9		18.9		4.9		17.9	
CALCIUM	7830		7650		7120		7500		9820	
CHROMIUM	16.9		19.2		27.4		15.2		21.1	
COBALT	11.3		6.2	UJ	11.7		9.2		7.0	
COPPER	22.7	J	22.6	J	44.5	J	22.5	J	40.6	J
IRON	17900		18300		19500		18100		18500	
LEAD	55.0	J	51.9	J	251	J	70.1	J	326	J
MAGNESIUM	4320		4640		3460		4060		4010	
MANGANESE	811	J	485	J	1130	J	775	J	764	J
MERCURY	0.056	J	0.046	J	0.13		0.070	J	0.13	
NICKEL	20.8		15.7		20.0		17.4		17.5	
POTASSIUM	1390		1600		1300		1410		1860	
SELENIUM	0.61	J	0.84	J	1.2	J	0.44	J	1.2	J
SILVER	1.2	U	1.3	U	0.52	J	1.2	U	0.37	J
SODIUM	82.9	J	83.6	J	131	J	81.9	J	133	J
THALLIUM	3.1	U	3.1	U	0.33	J	3.0	U	3.1	U
VANADIUM	35.0		35.5		36.2		32.4		31.5	
ZINC	610	J	606	J	2300	J	636	J	2480	J

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0001
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0011		ME0012		ME0013		ME0014		ME0015	
Sampling Location :	MHS-037-FY-		MHS-037-SY-		MHS-041-BY-		MHS-049-BY-		MHS-050-FY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/19/2007		4/19/2007		4/20/2007		4/19/2007		4/19/2007	
Time Sampled :										
%Solids :	80.7		77.2		77.9		76.5		81.5	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	11800		11900		13300		10400		11200	
ANTIMONY	7.4	UJ	0.54	J	0.57	J	7.8	UJ	1.2	J
ARSENIC	7.8		11.3		9.2		13.6		11.3	
BARIUM	171		214		181		165		164	
BERYLLIUM	0.64		0.69		0.62	J	0.57	J	0.78	
CADMIUM	5.8		15.4		6.5		7.5		16.0	
CALCIUM	7000		7160		10300		4620		10700	
CHROMIUM	17.9		18.5		25.1		14.5		16.8	
COBALT	8.8		10.4		8.3		6.3	UJ	7.8	
COPPER	22.7	J	36.5	J	31.8	J	24.6	J	48.2	J
IRON	17600		18200		19100		14900		18800	
LEAD	55.6	J	140	J	68.4	J	94.2	J	207	J
MAGNESIUM	3550		3280		6150		2160		3650	
MANGANESE	701	J	891	J	660	J	536	J	734	J
MERCURY	0.056	J	0.10	J	0.077	J	0.071	J	0.18	
NICKEL	17.2		20.7		19.5		13.4		18.4	
POTASSIUM	1620		1890		1520		1560		1820	
SELENIUM	0.51	J	1.0	J	0.89	J	0.43	J	0.55	J
SILVER	1.2	U	0.23	J	0.15	J	0.12	J	0.31	J
SODIUM	124	J	112	J	121	J	103	J	161	J
THALLIUM	3.1	U	3.2	U	3.2	U	3.3	U	3.1	U
VANADIUM	30.1		30.9		35.2		26.1		28.8	
ZINC	686	J	1850	J	676	J	925	J	1900	J

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0001
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0016		ME0017		ME0018		ME0019		ME0020	
Sampling Location :	MHS-055-FY-		MHS-057-BY-		MHS-059-BY-		MHS-059-SY-		MHS-061-FY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/24/2007		4/18/2007		4/18/2007		4/18/2007		4/19/2007	
Time Sampled :										
%Solids :	85.9		79.4		76.1		76.8		75.4	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	12000		12800		12800		15500		13400	
ANTIMONY	0.47	J	0.63	J	0.77	J	1.4	J	8.0	UJ
ARSENIC	78.1		11.3		20.0		18.3		9.2	
BARIUM	208		211		270		256		169	
BERYLLIUM	0.59		0.78		0.74		0.89		0.53	J
CADMIUM	7.2		12.0		18.5		29.9		6.0	
CALCIUM	8930		11200		7730		8060		5790	
CHROMIUM	17.4		17.1		16.7		21.5		18.7	
COBALT	7.7		6.1	UJ	7.7		7.2		8.8	
COPPER	24.4	J	34.6	J	40.8	J	61.2	J	23.1	J
IRON	15800		21600		18300		21500		19400	
LEAD	93.6	J	171	J	163	J	293	J	46.9	J
MAGNESIUM	4130		4260		2600		3720		3310	
MANGANESE	329	J	483	J	817	J	610	J	740	J
MERCURY	0.054	J	0.082	J	0.18		0.20		0.039	J
NICKEL	16.9		17.0		17.9		20.0		18.3	
POTASSIUM	1250		2040		1920		2310		2140	
SELENIUM	0.43	J	1.0	J	0.82	J	1.1	J	0.59	J
SILVER	0.64	J	1.3	U	0.16	J	0.72	J	1.3	U
SODIUM	108	J	121	J	110	J	160	J	96.1	J
THALLIUM	2.9	U	3.1	U	3.3	U	0.40	J	3.3	U
VANADIUM	29.2		32.3		32.5		37.2		34.9	
ZINC	868	J	1460	J	2270	J	3690	J	704	J

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0001
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0001D		ME0001S							
Sampling Location :	MHS-002-BY-		MHS-002-BY-1							
Matrix :	Soil		Soil							
Units :	mg/Kg		mg/Kg							
Date Sampled :	4/23/2007		4/23/2007							
Time Sampled :										
%Solids :	85.0		85.1							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	11600									
ANTIMONY	7.1	U	8.4							
ARSENIC	8.7		18.9							
BARIUM	139		631							
BERYLLIUM	0.49	J	11.6							
CADMIUM	1.0		12.3							
CALCIUM	11500									
CHROMIUM	16.3		61.3							
COBALT	6.8		121							
COPPER	18.6		78.2							
IRON	16800									
LEAD	14.4		23.1							
MAGNESIUM	7510									
MANGANESE	578		1340							
MERCURY	0.031	J	0.60							
NICKEL	15.5		126							
POTASSIUM	1230									
SELENIUM	0.31	J	11.2							
SILVER	1.2	U	10.7							
SODIUM	94.2	J								
THALLIUM	2.9	U	11.1							
VANADIUM	31.3		143							
ZINC	117		317							

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ME0001 CERCLIS No: ILD000604782

Case No: 36348 Site Name/Location: MATTHIESSEN and HEGELER ZINC Site (IL)

Contractor or EPA Lab: DataChem Data User: Weston

No. of Samples: 20 Date Sampled or Date Received: 5/15/07

Have Chain-of-Custody records been received? Yes X No_____
Have traffic reports or packing lists been received? Yes X No _____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____
_____ _____ _____ _____

Are basic data forms in? Yes X No____
No of samples claimed: _____ No. of samples received: _____

Received by: pdaursjohnson Date: 5/15/07

Received by LSSS: pdaursjohnson Date: 5/17/07

Review started: _____ Reviewer Signature: _____

Total time spent on review: _____ Date review completed: _____

Copied by: _____ Date: _____

Mailed to user by: pdaursjohnson Date: 5/31/07

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Date: _____

ESAT Controlled Number: ESAT 5.05.00119-pdj 5/31/07

DATE: May 31, 2007

0097-4H-AATL

Weston Solutions, Inc.
ATTN: **Ms. Tonya Balla**
750 East Bunker Court – Suite 500
Vernon Hills, IL 60061-1450

SITE NAME: Matthiessen & Hegeler Zinc Site – M & H Zinc Site (IL)

CASE #	LAB	SAMPLES	SDG	MATRIX
36348	DataChem	19	ME0021	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

PLEASE! Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Johnson
Data Coordinator
ESAT Region 5/**TechLaw**

Controlled Document

ESAT5.03.00051

ST 5-31-07

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5/15/07

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: Weston

We have reviewed the data for the following case:

SITE NAME: M+H Zinc Site (IL)

CASE NUMBER: 36348 SDG NUMBER: ME0021

Number and Type of Samples: 19 Soil Samples

Sample Numbers: ME0021-26; 28-32; 34-41

Laboratory: DataChem Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Calibrations **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CRDL/CRQL Standard **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Duplicates **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-10 The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0028D, ME0028S, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Interference Check Sample **Protocol: INORG**

DC-6 The following inorganic samples have elements other than Al, Ca, Fe, and Mg at concentrations higher than 10 mg/L that may cause potential interference. Use professional judgement to qualify sample data.

ME0021
Potassium

ME0022
Potassium, Zinc

ME0023
Manganese, Potassium, Zinc

ME0024
Potassium, Zinc

ME0025
Potassium, Zinc

ME0026
Potassium, Zinc

ME0028
Potassium

ME0029
Potassium

ME0030
Manganese, Potassium, Zinc

ME0031
Potassium, Zinc

ME0032
Potassium, Zinc

ME0034
Potassium, Zinc

ME0035
Potassium

ME0036
Potassium, Zinc

Data Review Results

Lab ID: DATAC Case No.: 36348 Method: ILM05 Flag :NFG
File Name: ME0021 SDG No.: ME0021 Criteria: ILM05 Defects: ILM05DEFECT

ME0037
Lead, Potassium, Zinc

ME0038
Potassium

ME0039
Potassium, Zinc

ME0040
Potassium, Zinc

ME0041
Manganese, Potassium

DC-10 The following inorganic samples have one or more interferents present at concentrations more than true amounts added in the ICS solution. Use professional judgement to qualify sample data.

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Blanks **Protocol: INORG**

DC-19 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is greater than the CRQL. Use professional judgement to qualify data.

Calcium

ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Cobalt

ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Lead

ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

DC-21 The following inorganic samples are associated with an ICB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Sodium

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Zinc

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

DC-22 The following inorganic samples are associated with a CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Antimony

ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Sodium

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Zinc

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Control Sample **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Matrix Spikes **Protocol: INORG**

DC-10 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. Non-detects are flagged "UJ".

Antimony

ME0028, ME0041

DC-11 The following inorganic samples are associated with a matrix spike recovery which is outside primary low criteria. However, post-digest spike percent recovery was more than or equal to the low limit. Detects are flagged "J".

Antimony

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Sample Result Verification **Protocol: INORG**

DC-5 The following inorganic samples have analyte concentrations reported below the quantitation limit (CRQL). All results below the CRQL are qualified"J".

ME0021
Antimony, Beryllium, Mercury, Selenium, Silver, Sodium

ME0022
Antimony, Selenium, Silver, Sodium

ME0023
Antimony, Selenium, Silver, Sodium

ME0024
Antimony, Selenium, Silver, Sodium

ME0025
Antimony, Selenium, Sodium, Thallium

ME0026
Antimony, Selenium, Sodium

ME0028
Mercury, Selenium, Silver, Sodium

ME0028D
Mercury, Selenium, Silver, Sodium

ME0029
Antimony, Mercury, Selenium, Sodium

ME0030
Antimony, Selenium, Silver, Sodium, Thallium

ME0031
Antimony, Selenium, Silver, Sodium

ME0032
Antimony, Selenium, Silver, Sodium

ME0034
Antimony, Selenium, Silver, Sodium

ME0035
Antimony, Mercury, Selenium, Sodium

ME0036
Antimony, Selenium, Silver, Sodium

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

ME0037

Antimony, Selenium, Silver, Sodium

ME0038

Antimony, Mercury, Selenium, Silver, Sodium

ME0039

Antimony, Selenium, Silver, Sodium

ME0040

Antimony, Selenium, Silver, Sodium

ME0041

Beryllium, Mercury, Selenium, Sodium

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Serial Dilution **Protocol: INORG**

DC-4 The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits and non-detects are not flagged.

Selenium

ME0021, ME0022, ME0023, ME0024, ME0025, ME0026, ME0028, ME0029, ME0030, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CADRE Reserved **Protocol: INORG**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than detection limit.

ME0021, ME0022, ME0023, ME0024, ME0026, ME0028, ME0028D, ME0029, ME0031, ME0032, ME0034, ME0035, ME0036, ME0037, ME0038, ME0039, ME0040, ME0041, PBS

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0021	SDG No.: ME0021	Criteria: ILM05	Defects: ILM05DEFECT

Data Review Criteria Set Options:

Detection Limit
- PEST pct D expanded criteria
- Use MDL X

Holding Time
- Region 3 PAH option
- Region 3 PCB option
- Expanded criteria
- Inorganic missing pH option

Calibrations
- RRF expanded criteria
- VOA/BNA PctD expanded criteria
- VOA/BNA PctRSD expanded criteria
- Use mean RRF
- Use VOA/BNA dual purpose standard option
- Use initial INDA/INDB pct resolution
- Use continuing INDA/INDB pct resolution
- Use PEST low concentration option
- PEST low concentration PctRSD expanded criteria
- Use DMC/SMC/Surrogate option
- Use INORG extreme high pct recovery X

Matrix Spikes
- Use PEST low concentration rules

DMC/SMC/Surrogates
- Region 3 validation rules
- Check dilution factor
- Use advisory surrogates
- Use low concentration rules
- Use BNA low concentration expanded criteria

CADRE association rules X

IPC/Tune
- Expanded criteria

System Performance
- Use initial PEM pct resolution
- Use continuing PEM pct resolution

CRDL/CRQL Standards
- Region 2 validation rules
- Region 3 validation rules

LCS
- Pct rec expanded criteria X

Duplicates
- RPD and AD expanded criteria

Furnace AA QC
- Pct R expanded upper criteria
- Corr coef expanded criteria

Blanks
- Raise to detection limit
- Use VOA storage/inst blanks
- Use low concentration rules

Field QC
- Combine method/field blanks
- CRDL contamination criteria

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	AAS-CVG	Case No.:	36348
File Name:	ME0021	Method:	CV	SDG No.:	ME0021

Sample: ICV — Date: 05/11/2007 — Time: 18:02 — Solution Source: ICV-5(1104) — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	4.10	4.03		98

Sample: CCV — Date: 05/11/2007 — Time: 18:08 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	4.98		100

Sample: CCV2 — Date: 05/11/2007 — Time: 18:24 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.02		100

Sample: CCV3 — Date: 05/11/2007 — Time: 18:41 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.02		100

Sample: CCV4 — Date: 05/11/2007 — Time: 18:53 — Solution Source: SPEX — Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.02		100

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICV

Date: 04/30/2007
Time: 13:31

Solution Source: ICV-1(1201)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	2482.00	2549.60		103
Antimony	992.00	998.29		101
Arsenic	996.00	989.80		99
Barium	502.00	500.88		100
Beryllium	493.00	490.00		99
Cadmium	494.00	491.53		100
Calcium	10180.00	10139.67		100
Chromium	490.00	495.51		101
Cobalt	496.00	495.93		100
Copper	490.00	490.84		100
Iron	5107.00	5132.90		101
Lead	996.00	993.14		100
Magnesium	6003.00	6109.93		102
Manganese	495.00	492.35		99
Nickel	492.00	492.49		100
Potassium	10008.00	9894.70		99
Selenium	1005.00	1012.50		101
Silver	495.00	487.04		98
Sodium	10039.00	9953.73		99
Thallium	1027.00	1015.47		99
Vanadium	501.00	504.62		101
Zinc	1000.00	1012.00		101

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: CCV

Date: 04/30/2007

Time: 14:01

Solution Source: C.P.I.

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24666.67		99
Antimony	5000.00	5018.97		100
Arsenic	750.00	751.47		100
Barium	5000.00	4932.80		99
Beryllium	750.00	734.70		98
Cadmium	750.00	727.70		97
Calcium	25000.00	24687.33		99
Chromium	5000.00	4962.00		99
Cobalt	5000.00	4912.27		98
Copper	5000.00	4900.17		98
Iron	25000.00	24605.00		98
Lead	750.00	722.19		96
Magnesium	25000.00	24934.00		100
Manganese	5000.00	4789.77		96
Nickel	5000.00	4898.10		98
Potassium	25000.00	24273.33		97
Selenium	750.00	747.21		100
Silver	750.00	723.02		96
Sodium	25000.00	24430.00		98
Thallium	750.00	735.97		98
Vanadium	5000.00	4893.93		98
Zinc	5000.00	4943.33		99

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: CCV2

Date: 04/30/2007

Time: 15:12

Solution Source: C.P.I.

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24730.33		99
Antimony	5000.00	5036.57		101
Arsenic	750.00	754.43		101
Barium	5000.00	4941.63		99
Beryllium	750.00	736.18		98
Cadmium	750.00	730.49		97
Calcium	25000.00	24691.67		99
Chromium	5000.00	4993.87		100
Cobalt	5000.00	4941.33		99
Copper	5000.00	4926.10		99
Iron	25000.00	24616.33		98
Lead	750.00	725.03		97
Magnesium	25000.00	24968.67		100
Manganese	5000.00	4797.73		96
Nickel	5000.00	4924.03		98
Potassium	25000.00	24315.33		97
Selenium	750.00	748.31		100
Silver	750.00	717.94		96
Sodium	25000.00	24521.00		98
Thallium	750.00	735.82		98
Vanadium	5000.00	4870.07		97
Zinc	5000.00	4961.67		99

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: CCV3 | Date: 04/30/2007 | Solution Source: C.P.I.

Time: 16:23 | Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24147.67		97
Antimony	5000.00	5092.13		102
Arsenic	750.00	758.30		101
Barium	5000.00	4896.30		98
Beryllium	750.00	726.47		97
Cadmium	750.00	742.83		99
Calcium	25000.00	24564.33		98
Chromium	5000.00	4949.93		99
Cobalt	5000.00	4960.50		99
Copper	5000.00	4853.07		97
Iron	25000.00	24454.00		98
Lead	750.00	743.34		99
Magnesium	25000.00	25078.00		100
Manganese	5000.00	4722.23		94
Nickel	5000.00	5001.50		100
Potassium	25000.00	23996.00		96
Selenium	750.00	751.65		100
Silver	750.00	724.49		97
Sodium	25000.00	24389.00		98
Thallium	750.00	736.05		98
Vanadium	5000.00	4889.63		98
Zinc	5000.00	5028.90		101

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: CCV4

Date: 04/30/2007

Time: 17:34

Solution Source: C.P.I.

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24332.00		97
Antimony	5000.00	5067.20		101
Arsenic	750.00	759.47		101
Barium	5000.00	4921.63		98
Beryllium	750.00	728.55		97
Cadmium	750.00	738.38		98
Calcium	25000.00	24562.67		98
Chromium	5000.00	4964.83		99
Cobalt	5000.00	4958.57		99
Copper	5000.00	4910.57		98
Iron	25000.00	24472.00		98
Lead	750.00	736.97		98
Magnesium	25000.00	24933.33		100
Manganese	5000.00	4744.37		95
Nickel	5000.00	4977.57		100
Potassium	25000.00	24146.00		97
Selenium	750.00	750.47		100
Silver	750.00	723.80		97
Sodium	25000.00	24533.67		98
Thallium	750.00	736.64		98
Vanadium	5000.00	4891.40		98
Zinc	5000.00	5005.37		100

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: CCV5

Date: 04/30/2007

Time: 18:04

Solution Source: C.P.I.

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24248.00		97
Antimony	5000.00	5084.43		102
Arsenic	750.00	761.63		102
Barium	5000.00	4871.30		97
Beryllium	750.00	721.64		96
Cadmium	750.00	739.87		99
Calcium	25000.00	24415.67		98
Chromium	5000.00	4960.20		99
Cobalt	5000.00	4969.17		99
Copper	5000.00	4914.03		98
Iron	25000.00	24229.67		97
Lead	750.00	741.78		99
Magnesium	25000.00	24918.67		100
Manganese	5000.00	4708.40		94
Nickel	5000.00	4996.60		100
Potassium	25000.00	23936.67		96
Selenium	750.00	753.46		100
Silver	750.00	730.82		97
Sodium	25000.00	24342.33		97
Thallium	750.00	737.70		98
Vanadium	5000.00	4949.47		99
Zinc	5000.00	5008.73		100

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0021	SDG No.:	ME0021

Instrument: AAS-CVG	Blank: ICB	Blank: CCB	Blank: CCB2
Method: CV	Date: 05/11/2007 18:03	Date: 05/11/2007 18:09	Date: 05/11/2007 18:25
Run No.: 1	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C		
Mercury	0.200	BDL		0.200	BDL		0.200	BDL

Instrument: AAS-CVG	Blank: CCB3	Blank: CCB4
Method: CV	Date: 05/11/2007 18:42	Date: 05/11/2007 18:54
Run No.: 1	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	
Mercury	0.200	BDL		0.200	BDL

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0021	SDG No.:	ME0021

Instrument: ICP07	Blank: ICB	Blank: CCB	Blank: CCB2
Method: P	Date: 04/30/2007 13:37	Date: 04/30/2007 14:06	Date: 04/30/2007 15:17
Run No.: 2	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C
Aluminum	200.000	BDL	200.000	BDL	200.000	BDL
Antimony	60.000	BDL	60.000	BDL	60.000	BDL
Arsenic	10.000	BDL	10.000	BDL	10.000	BDL
Barium	200.000	BDL	200.000	BDL	200.000	BDL
Beryllium	5.000	BDL	5.000	BDL	5.000	BDL
Cadmium	5.000	BDL	5.000	BDL	5.000	BDL
Calcium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Chromium	10.000	BDL	10.000	BDL	10.000	BDL
Cobalt	50.000	BDL	50.000	BDL	50.000	BDL
Copper	25.000	BDL	25.000	BDL	25.000	BDL
Iron	100.000	BDL	100.000	BDL	100.000	BDL
Lead	10.000	BDL	10.000	BDL	10.000	BDL
Magnesium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Manganese	15.000	BDL	15.000	BDL	15.000	BDL
Nickel	40.000	BDL	40.000	BDL	40.000	BDL
Potassium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Selenium	35.000	BDL	35.000	BDL	35.000	BDL
Silver	10.000	BDL	10.000	BDL	10.000	BDL
Sodium	-24.347	LTC	-25.806	LTC	-29.256	LTC
Thallium	25.000	BDL	25.000	BDL	25.000	BDL
Vanadium	50.000	BDL	50.000	BDL	50.000	BDL
Zinc	-3.355	LTC	-2.586	LTC	60.000	BDL

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0021	SDG No.:	ME0021

Instrument: ICP07	Blank: CCB3	Blank: CCB4	Blank: CCB5
Method: P	Date: 04/30/2007 16:28	Date: 04/30/2007 17:40	Date: 04/30/2007 18:10
Run No.: 2	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C
Aluminum	200.000	BDL	200.000	BDL	200.000	BDL
Antimony	-2.216	LTC	-3.038	LTC	60.000	BDL
Arsenic	10.000	BDL	10.000	BDL	10.000	BDL
Barium	200.000	BDL	200.000	BDL	1.004	LTC
Beryllium	5.000	BDL	5.000	BDL	5.000	BDL
Cadmium	5.000	BDL	5.000	BDL	0.122	LTC
Calcium	15.677	LTC	5000.000	BDL	16.643	LTC
Chromium	10.000	BDL	10.000	BDL	10.000	BDL
Cobalt	50.000	BDL	0.582	LTC	0.689	LTC
Copper	25.000	BDL	25.000	BDL	25.000	BDL
Iron	100.000	BDL	100.000	BDL	100.000	BDL
Lead	1.414	LTC	10.000	BDL	10.000	BDL
Magnesium	5000.000	BDL	5000.000	BDL	23.320	LTC
Manganese	15.000	BDL	15.000	BDL	0.904	LTC
Nickel	40.000	BDL	40.000	BDL	40.000	BDL
Potassium	5000.000	BDL	5000.000	BDL	5000.000	BDL
Selenium	35.000	BDL	35.000	BDL	35.000	BDL
Silver	10.000	BDL	10.000	BDL	10.000	BDL
Sodium	-33.905	LTC	-32.839	LTC	-24.991	LTC
Thallium	25.000	BDL	25.000	BDL	25.000	BDL
Vanadium	50.000	BDL	50.000	BDL	50.000	BDL
Zinc	-3.144	LTC	-2.002	LTC	-2.718	LTC

CRDL/CRQL Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	AAS-CVG	Case No.:	36348
File Name:	ME0021	Method:	CV	SDG No.:	ME0021

Sample: CRIF2

Date: 05/11/2007

Time: 18:51

Solution Source: SPEX

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	0.2	0.21		105

CRDL/CRQL Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: CRIF2 Date: 04/30/2007 Solution Source: I.V.

Time: 17:46 Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	200.00	197.67		99
Antimony	60.00	59.11		99
Arsenic	10.00	9.88		99
Barium	200.00	200.72		100
Beryllium	5.00	4.92		98
Cadmium	5.00	5.12		102
Calcium	5000.00	5023.97		100
Chromium	10.00	10.23		102
Cobalt	50.00	50.54		101
Copper	25.00	23.95		96
Iron	100.00	100.81		101
Lead	10.00	11.15		112
Magnesium	5000.00	5078.10		102
Manganese	15.00	14.81		99
Nickel	40.00	40.55		101
Potassium	5000.00	4847.17		97
Selenium	35.00	36.79		105
Silver	10.00	9.63		96
Sodium	5000.00	4953.57		99
Thallium	25.00	24.69		99
Vanadium	50.00	49.98		100
Zinc	60.00	57.91		97

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0021
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	10707.4074		3.8	25.3
Antimony	0.5191	LTC	0.16	7.6
Arsenic	7.0783		0.19	1.3
Barium	107.0930		0.021	25.3
Beryllium	0.4196	LTC	0.018	0.63
Cadmium	4.1055		0.008	0.63
Calcium	5693.0556		5.1	631
Chromium	15.0707		0.29	1.3
Cobalt	6.2884	LTC	0.043	6.3
Copper	19.8152		0.25	3.2
Iron	14455.3872		0.83	12.6
Lead	46.6187		0.14	1.3
Magnesium	2896.3805		1.5	631
Manganese	474.3855		0.095	1.9
Mercury	0.0608	LTC	0.022	0.13
Nickel	13.9011		0.55	5.1
Potassium	1376.2205		5.2	631
Selenium	1.1506	LTC	0.14	4.4
Silver	0.1661	LTC	0.054	1.3
Sodium	73.2142	LTC	3.2	631
Thallium	3.1566	BDL	0.14	3.2
Vanadium	25.7992		0.048	6.3
Zinc	443.4428		0.15	7.6
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0022
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12072.3773		3.8	25.4
Antimony	2.1102	LTC	0.16	7.6
Arsenic	18.0838		0.19	1.3
Barium	200.2750		0.021	25.4
Beryllium	0.9264		0.018	0.63
Cadmium	19.0516		0.008	0.63
Calcium	5873.9425		5.1	635
Chromium	20.7377		0.3	1.3
Cobalt	9.2569		0.043	6.3
Copper	57.6789		0.25	3.2
Iron	21802.0305		0.83	12.7
Lead	301.2648		0.15	1.3
Magnesium	2241.4552		1.5	635
Manganese	858.4602		0.096	1.9
Mercury	0.2025		0.022	0.13
Nickel	17.6083		0.56	5.1
Potassium	1936.5059		5.2	635
Selenium	2.0652	LTC	0.14	4.4
Silver	0.5868	LTC	0.054	1.3
Sodium	135.4103	LTC	3.2	635
Thallium	3.1726	BDL	0.14	3.2
Vanadium	33.3943		0.048	6.3
Zinc	2180.7530		0.15	7.6
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0023
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13707.0365		4	27.1
Antimony	1.8977	LTC	0.17	8.1
Arsenic	20.2797		0.21	1.4
Barium	317.1628		0.022	27.1
Beryllium	1.0971		0.019	0.68
Cadmium	29.1461		0.009	0.68
Calcium	13532.2057		5.5	677
Chromium	26.1506		0.32	1.4
Cobalt	14.8331		0.046	6.8
Copper	75.7555		0.27	3.4
Iron	24029.3189		0.88	13.5
Lead	271.9982		0.15	1.4
Magnesium	4320.3428		1.6	677
Manganese	1625.4849		0.11	2
Mercury	0.1645		0.023	0.14
Nickel	28.1434		0.59	5.4
Potassium	2667.6139		5.5	677
Selenium	1.7737	LTC	0.15	4.7
Silver	0.8818	LTC	0.058	1.4
Sodium	152.1380	LTC	3.4	677
Thallium	3.3829	BDL	0.15	3.4
Vanadium	48.7325		0.051	6.8
Zinc	3331.8448		0.16	8.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0024
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	10446.7767		3.5	23.6
Antimony	1.4613	LTC	0.15	7.1
Arsenic	12.7044		0.18	1.2
Barium	140.4245		0.019	23.6
Beryllium	0.6121		0.017	0.59
Cadmium	6.1769		0.008	0.59
Calcium	15916.2736		4.8	590
Chromium	17.6368		0.28	1.2
Cobalt	8.2320		0.04	5.9
Copper	81.0959		0.23	2.9
Iron	19593.5535		0.77	11.8
Lead	167.3781		0.13	1.2
Magnesium	7876.2185		1.4	590
Manganese	672.8420		0.089	1.8
Mercury	0.1538		0.021	0.12
Nickel	43.9367		0.52	4.7
Potassium	2063.6006		4.8	590
Selenium	0.9871	LTC	0.13	4.1
Silver	0.6985	LTC	0.051	1.2
Sodium	138.0621	LTC	3	590
Thallium	2.9481	BDL	0.13	2.9
Vanadium	27.0947		0.045	5.9
Zinc	1299.7642		0.14	7.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0025
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13596.0414		4	27
Antimony	4.8654	LTC	0.17	8.1
Arsenic	22.6451		0.21	1.3
Barium	216.9141		0.022	27
Beryllium	1.3101		0.019	0.67
Cadmium	106.0886		0.009	0.67
Calcium	15739.0913		5.4	675
Chromium	22.6073		0.31	1.3
Cobalt	10.8801		0.046	6.7
Copper	134.7697		0.27	3.4
Iron	24949.1678		0.88	13.5
Lead	568.8934		0.15	1.3
Magnesium	4819.0283		1.6	675
Manganese	1175.4251		0.11	2
Mercury	0.3213		0.023	0.13
Nickel	25.9442		0.59	5.4
Potassium	2075.2137		5.5	675
Selenium	2.4309	LTC	0.15	4.7
Silver	2.5467		0.058	1.3
Sodium	227.1075	LTC	3.4	675
Thallium	0.4270	LTC	0.15	3.4
Vanadium	35.7823		0.051	6.7
Zinc	10011.6059		0.16	8.1
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0026
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13503.6727		4.2	27.9
Antimony	5.1371	LTC	0.17	8.4
Arsenic	24.5839		0.21	1.4
Barium	208.3450		0.023	27.9
Beryllium	1.2652		0.02	0.7
Cadmium	112.6346		0.009	0.7
Calcium	15588.5635		5.6	697
Chromium	22.7266		0.33	1.4
Cobalt	9.7227		0.047	7
Copper	140.3115		0.28	3.5
Iron	26026.9642		0.91	13.9
Lead	625.6857		0.16	1.4
Magnesium	4787.6337		1.6	697
Manganese	1112.8684		0.11	2.1
Mercury	0.4808		0.024	0.14
Nickel	26.8159		0.61	5.6
Potassium	1985.0767		5.7	697
Selenium	2.7008	LTC	0.15	4.9
Silver	2.6463		0.06	1.4
Sodium	220.9205	LTC	3.5	697
Thallium	3.4868	BDL	0.15	3.5
Vanadium	36.8010		0.053	7
Zinc	10682.1943		0.16	8.4
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0028
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13335.3293		3.6	24
Antimony	7.1856	BDL	0.15	7.2
Arsenic	9.0679		0.18	1.2
Barium	170.3273		0.02	24
Beryllium	0.9286		0.017	0.6
Cadmium	6.8879		0.008	0.6
Calcium	6780.6786		4.8	599
Chromium	19.3353		0.28	1.2
Cobalt	8.3025		0.041	6
Copper	26.4846		0.24	3
Iron	21404.3912		0.78	12
Lead	185.6966		0.14	1.2
Magnesium	3252.8543		1.4	599
Manganese	656.8224		0.09	1.8
Mercury	0.0705	LTC	0.021	0.12
Nickel	18.2319		0.53	4.8
Potassium	1915.2894		4.9	599
Selenium	1.3444	LTC	0.13	4.2
Silver	0.2193	LTC	0.051	1.2
Sodium	199.4092	LTC	3	599
Thallium	2.9940	BDL	0.13	3
Vanadium	34.4411		0.045	6
Zinc	1006.3034		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0028D
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12419.9601		3.6	24.1
Antimony	7.1856	BDL	0.15	7.2
Arsenic	7.8711		0.19	1.2
Barium	160.1517		0.02	24.1
Beryllium	0.8271		0.017	0.6
Cadmium	6.9538		0.008	0.6
Calcium	7104.5110		4.9	602
Chromium	18.4160		0.28	1.2
Cobalt	7.0147		0.041	6
Copper	26.1832		0.24	3
Iron	18695.4092		0.79	12
Lead	203.3254		0.14	1.2
Magnesium	3108.9421		1.4	602
Manganese	466.0918		0.091	1.8
Mercury	0.0748	LTC	0.021	0.12
Nickel	16.7277		0.53	4.8
Potassium	1744.1517		4.9	602
Selenium	1.3106	LTC	0.13	4.2
Silver	0.1193	LTC	0.052	1.2
Sodium	182.0200	LTC	3.1	602
Thallium	2.9940	BDL	0.13	3
Vanadium	29.2387		0.046	6
Zinc	1067.2255		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0028S
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum				
Antimony	8.4990		0.15	7.2
Arsenic	17.7285		0.18	1.2
Barium	639.5210		0.02	24
Beryllium	12.6172		0.017	0.6
Cadmium	18.7230		0.008	0.6
Calcium				
Chromium	68.2339		0.28	1.2
Cobalt	128.7066		0.041	6
Copper	87.8922		0.24	3
Iron				
Lead	237.4611		0.14	1.2
Magnesium				
Manganese	589.1497		0.09	1.8
Mercury	0.6631		0.021	0.12
Nickel	136.8703		0.53	4.8
Potassium				
Selenium	13.0263		0.13	4.2
Silver	11.7367		0.051	1.2
Sodium				
Thallium	12.0078		0.13	3
Vanadium	146.8743		0.045	6
Zinc	1095.8842		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0029
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13388.1553		3.6	24
Antimony	0.5394	LTC	0.15	7.2
Arsenic	10.6122		0.18	1.2
Barium	188.3313		0.02	24
Beryllium	0.7119		0.017	0.6
Cadmium	7.3651		0.008	0.6
Calcium	6317.6871		4.8	600
Chromium	21.5482		0.28	1.2
Cobalt	9.9341		0.041	6
Copper	27.1941		0.24	3
Iron	20620.2481		0.78	12
Lead	88.6251		0.14	1.2
Magnesium	3412.6851		1.4	600
Manganese	1004.4498		0.091	1.8
Mercury	0.0737	LTC	0.021	0.12
Nickel	17.8067		0.53	4.8
Potassium	1872.3489		4.9	600
Selenium	1.4308	LTC	0.13	4.2
Silver	1.2005	BDL	0.052	1.2
Sodium	109.7031	LTC	3	600
Thallium	3.0012	BDL	0.13	3
Vanadium	35.0760		0.046	6
Zinc	795.1541		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0030
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13824.1715		3.5	23.4
Antimony	0.9194	LTC	0.15	7
Arsenic	15.1345		0.18	1.2
Barium	309.2710		0.019	23.4
Beryllium	1.6872		0.017	0.58
Cadmium	19.2020		0.008	0.58
Calcium	9972.1248		4.7	585
Chromium	20.6842		0.27	1.2
Cobalt	13.0865		0.04	5.8
Copper	49.9298		0.23	2.9
Iron	26712.6706		0.76	11.7
Lead	789.2164		0.13	1.2
Magnesium	3687.6023		1.4	585
Manganese	1212.9435		0.088	1.8
Mercury	0.2199		0.02	0.12
Nickel	28.6417		0.51	4.7
Potassium	2116.9201		4.8	585
Selenium	1.4817	LTC	0.13	4.1
Silver	0.2148	LTC	0.05	1.2
Sodium	148.7797	LTC	3	585
Thallium	0.3163	LTC	0.13	2.9
Vanadium	38.4534		0.044	5.8
Zinc	2110.7602		0.14	7
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0031
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13765.9490		3.6	23.9
Antimony	0.7118	LTC	0.15	7.2
Arsenic	47.3923		0.18	1.2
Barium	174.1188		0.02	23.9
Beryllium	1.3405		0.017	0.6
Cadmium	10.5687		0.008	0.6
Calcium	17421.0526		4.8	598
Chromium	26.7827		0.28	1.2
Cobalt	9.8417		0.041	6
Copper	40.3198		0.24	3
Iron	22718.5008		0.78	12
Lead	222.3086		0.14	1.2
Magnesium	6763.5965		1.4	598
Manganese	1028.7042		0.09	1.8
Mercury	0.3883		0.021	0.12
Nickel	28.0343		0.52	4.8
Potassium	2205.0638		4.9	598
Selenium	1.3583	LTC	0.13	4.2
Silver	0.2983	LTC	0.051	1.2
Sodium	121.9059	LTC	3	598
Thallium	2.9904	BDL	0.13	3
Vanadium	31.5215		0.045	6
Zinc	1256.2600		0.14	7.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0032
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13145.5541		3.9	26.3
Antimony	1.2718	LTC	0.16	7.9
Arsenic	17.0916		0.2	1.3
Barium	209.9080		0.022	26.3
Beryllium	1.4649		0.019	0.66
Cadmium	33.7004		0.008	0.66
Calcium	16242.2251		5.3	657
Chromium	48.6229		0.31	1.3
Cobalt	10.4767		0.045	6.6
Copper	67.3693		0.26	3.3
Iron	23173.4560		0.86	13.1
Lead	401.6820		0.15	1.3
Magnesium	4223.6093		1.6	657
Manganese	1038.9225		0.099	2
Mercury	0.2629		0.023	0.13
Nickel	23.4345		0.58	5.3
Potassium	1800.8760		5.4	657
Selenium	1.6975	LTC	0.14	4.6
Silver	0.8183	LTC	0.056	1.3
Sodium	170.7008	LTC	3.3	657
Thallium	3.2852	BDL	0.14	3.3
Vanadium	37.1003		0.05	6.6
Zinc	3416.3381		0.16	7.9
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0034
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	14734.2080		4.3	29.2
Antimony	1.6945	LTC	0.18	8.7
Arsenic	18.0369		0.22	1.5
Barium	219.2128		0.024	29.2
Beryllium	1.1087		0.021	0.73
Cadmium	36.0063		0.009	0.73
Calcium	34849.8542		5.9	729
Chromium	22.1545		0.34	1.5
Cobalt	12.2495		0.049	7.3
Copper	98.2498		0.29	3.6
Iron	24682.2157		0.95	14.6
Lead	417.4587		0.16	1.5
Magnesium	7556.9485		1.7	729
Manganese	1349.6210		0.11	2.2
Mercury	0.2720		0.025	0.15
Nickel	27.8081		0.64	5.8
Potassium	2337.1720		5.9	729
Selenium	1.3607	LTC	0.16	5.1
Silver	0.6543	LTC	0.062	1.5
Sodium	270.6997	LTC	3.7	729
Thallium	3.6443	BDL	0.16	3.6
Vanadium	36.8489		0.055	7.3
Zinc	3649.6599		0.17	8.7
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0035
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	13119.3217		4	26.8
Antimony	0.5078	LTC	0.17	8
Arsenic	10.5288		0.21	1.3
Barium	153.5475		0.022	26.8
Beryllium	0.8864		0.019	0.67
Cadmium	6.7545		0.009	0.67
Calcium	28356.9835		5.4	669
Chromium	21.0611		0.31	1.3
Cobalt	10.5224		0.045	6.7
Copper	39.7158		0.27	3.3
Iron	23042.3918		0.87	13.4
Lead	228.0544		0.15	1.3
Magnesium	10124.3641		1.6	669
Manganese	896.4123		0.1	2
Mercury	0.1029	LTC	0.023	0.13
Nickel	24.0147		0.59	5.4
Potassium	2094.3329		5.5	669
Selenium	0.9844	LTC	0.15	4.7
Silver	1.3387	BDL	0.057	1.3
Sodium	257.7242	LTC	3.4	669
Thallium	3.3467	BDL	0.15	3.3
Vanadium	35.1075		0.051	6.7
Zinc	1135.0647		0.16	8
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0036
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	11876.8644		3.1	20.8
Antimony	0.4066	LTC	0.13	6.2
Arsenic	11.3181		0.16	1
Barium	208.9004		0.017	20.8
Beryllium	0.8215		0.015	0.52
Cadmium	12.0222		0.007	0.52
Calcium	12181.4083		4.2	520
Chromium	21.8550		0.24	1
Cobalt	9.0112		0.035	5.2
Copper	36.7898		0.21	2.6
Iron	19644.4676		0.68	10.4
Lead	557.5442		0.12	1
Magnesium	4507.8391		1.2	520
Manganese	1018.4148		0.079	1.6
Mercury	0.2388		0.018	0.1
Nickel	21.0773		0.46	4.2
Potassium	1786.5418		4.3	520
Selenium	1.2867	LTC	0.11	3.6
Silver	0.1250	LTC	0.045	1
Sodium	88.9192	LTC	2.6	520
Thallium	2.6015	BDL	0.11	2.6
Vanadium	29.0336		0.04	5.2
Zinc	1384.3566		0.12	6.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0037
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	14672.0351		4.4	29.3
Antimony	3.6169	LTC	0.18	8.8
Arsenic	18.3651		0.22	1.5
Barium	472.3280		0.024	29.3
Beryllium	1.1001		0.021	0.73
Cadmium	18.0390		0.009	0.73
Calcium	29622.2548		5.9	732
Chromium	26.9175		0.34	1.5
Cobalt	11.9533		0.05	7.3
Copper	68.0732		0.29	3.7
Iron	25502.6842		0.96	14.6
Lead	3216.2030		0.17	1.5
Magnesium	6784.4314		1.7	732
Manganese	1191.0981		0.11	2.2
Mercury	0.3195		0.025	0.15
Nickel	27.6642		0.64	5.9
Potassium	2787.7989		6	732
Selenium	1.4308	LTC	0.16	5.1
Silver	0.3785	LTC	0.063	1.5
Sodium	335.2806	LTC	3.7	732
Thallium	3.6603	BDL	0.16	3.7
Vanadium	36.0932		0.055	7.3
Zinc	2866.8131		0.17	8.8
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0038
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	8928.4017		3.2	21.6
Antimony	0.8244	LTC	0.13	6.5
Arsenic	8.2279		0.17	1.1
Barium	151.7747		0.018	21.6
Beryllium	0.8419		0.016	0.54
Cadmium	8.1691		0.007	0.54
Calcium	31109.7912		4.4	540
Chromium	14.4222		0.25	1.1
Cobalt	6.8301		0.037	5.4
Copper	28.1573		0.22	2.7
Iron	15434.4852		0.71	10.8
Lead	159.2621		0.12	1.1
Magnesium	8256.8394		1.3	540
Manganese	694.7156		0.081	1.6
Mercury	0.0746	LTC	0.019	0.11
Nickel	15.7858		0.47	4.3
Potassium	1585.5292		4.4	540
Selenium	0.9093	LTC	0.12	3.8
Silver	0.0938	LTC	0.046	1.1
Sodium	151.0907	LTC	2.7	540
Thallium	2.6998	BDL	0.12	2.7
Vanadium	22.4647		0.041	5.4
Zinc	1049.6724		0.13	6.5
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0039
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	16355.2833		4.6	30.6
Antimony	1.3634	LTC	0.19	9.2
Arsenic	17.5089		0.23	1.5
Barium	202.1133		0.025	30.6
Beryllium	1.3681		0.022	0.77
Cadmium	19.4553		0.01	0.77
Calcium	40330.2706		6.2	766
Chromium	29.2695		0.36	1.5
Cobalt	12.9633		0.052	7.7
Copper	62.5232		0.3	3.8
Iron	26020.4186		1	15.3
Lead	404.4308		0.17	1.5
Magnesium	8306.5850		1.8	766
Manganese	1366.0337		0.12	2.3
Mercury	0.2210		0.027	0.15
Nickel	32.3747		0.67	6.1
Potassium	2991.1179		6.2	766
Selenium	1.6936	LTC	0.17	5.4
Silver	0.3292	LTC	0.066	1.5
Sodium	169.0097	LTC	3.9	766
Thallium	3.8285	BDL	0.17	3.8
Vanadium	39.6263		0.058	7.7
Zinc	2304.1858		0.18	9.2
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0040
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	15843.1070		4.6	30.9
Antimony	1.3380	LTC	0.19	9.3
Arsenic	18.4928		0.24	1.5
Barium	230.7202		0.025	30.9
Beryllium	1.3433		0.022	0.77
Cadmium	21.2721		0.01	0.77
Calcium	34245.8848		6.2	772
Chromium	35.2464		0.36	1.5
Cobalt	14.0092		0.052	7.7
Copper	61.2850		0.31	3.9
Iron	27753.0864		1	15.4
Lead	631.9907		0.17	1.5
Magnesium	7088.7346		1.8	772
Manganese	1270.9105		0.12	2.3
Mercury	0.2768		0.027	0.15
Nickel	34.6538		0.68	6.2
Potassium	2584.7737		6.3	772
Selenium	1.5640	LTC	0.17	5.4
Silver	0.4604	LTC	0.066	1.5
Sodium	173.8683	LTC	3.9	772
Thallium	3.8580	BDL	0.17	3.9
Vanadium	41.9151		0.058	7.7
Zinc	2549.3827		0.18	9.3
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0041
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil / Low	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	12488.7191		3.3	21.8
Antimony	6.5502	BDL	0.14	6.6
Arsenic	8.2933		0.17	1.1
Barium	191.6376		0.018	21.8
Beryllium	0.5382	LTC	0.016	0.55
Cadmium	1.4335		0.007	0.55
Calcium	14694.3231		4.4	546
Chromium	17.4924		0.26	1.1
Cobalt	11.7071		0.037	5.5
Copper	15.4592		0.22	2.7
Iron	17746.3610		0.71	10.9
Lead	25.1900		0.12	1.1
Magnesium	7688.9738		1.3	546
Manganese	1099.5997		0.082	1.6
Mercury	0.0371	LTC	0.019	0.11
Nickel	15.7893		0.48	4.4
Potassium	1485.2620		4.5	546
Selenium	0.7619	LTC	0.12	3.8
Silver	1.0917	BDL	0.047	1.1
Sodium	61.3526	LTC	2.8	546
Thallium	2.7293	BDL	0.12	2.7
Vanadium	35.0579		0.041	5.5
Zinc	108.4887		0.13	6.6
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	PBS
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil /	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	20.000	BDL	3	20
Antimony	6.000	BDL	0.12	6
Arsenic	1.000	BDL	0.15	1
Barium	0.061	LTC	0.016	20
Beryllium	0.500	BDL	0.014	0.5
Cadmium	0.500	BDL	0.006	0.5
Calcium	500.000	BDL	4	500
Chromium	1.000	BDL	0.23	1
Cobalt	5.000	BDL	0.034	5
Copper	2.500	BDL	0.2	2.5
Iron	10.000	BDL	0.65	10
Lead	1.000	BDL	0.11	1
Magnesium	500.000	BDL	1.2	500
Manganese	1.500	BDL	0.075	1.5
Mercury	0.100	BDL	0.017	0.1
Nickel	4.000	BDL	0.44	4
Potassium	500.000	BDL	4.1	500
Selenium	3.500	BDL	0.11	3.5
Silver	1.000	BDL	0.043	1
Sodium	500.000	BDL	2.5	500
Thallium	2.500	BDL	0.11	2.5
Vanadium	5.000	BDL	0.038	5
Zinc	-0.252	LTC	0.12	6
Cyanide				

Inorganic Duplicate Analysis

		Sample No.:	ME0028D
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0021
% Solids for Sample:	83.5	% Solids for Duplicate:	83.0
Concentration Units:	MG/KG		

Analyte	Control Limit	Sample(S)	C	Duplicate(D)	C	Laboratory Reported RPD	CADRE Calculated RPD	Q	M
Aluminum		13335.3293		12419.9601			7		P
Antimony		7.1856	BDL	7.1856	BDL				P
Arsenic		9.0679		7.8711			14		P
Barium		170.3273		160.1517			6		P
Beryllium	0.599	0.9286		0.8271			12		P
Cadmium		6.8879		6.9538			1		P
Calcium		6780.6786		7104.5110			5		P
Chromium		19.3353		18.4160			5		P
Cobalt	5.988	8.3025		7.0147			17		P
Copper		26.4846		26.1832			1		P
Iron		21404.3912		18695.4092			14		P
Lead		185.6966		203.3254			9		P
Magnesium		3252.8543		3108.9421			5		P
Manganese		656.8224		466.0918			34	*	P
Mercury		0.0705	LTC	0.0748	LTC		6		CV
Nickel	4.790	18.2319		16.7277			9		P
Potassium	598.802	1915.2894		1744.1517			9		P
Selenium		1.3444	LTC	1.3106	LTC		3		P
Silver		0.2193	LTC	0.1193	LTC		59		P
Sodium		199.4092	LTC	182.0200	LTC		9		P
Thallium		2.9940	BDL	2.9940	BDL				P
Vanadium	5.988	34.4411		29.2387			16		P
Zinc		1006.3034		1067.2255			6		P
Cyanide									

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0021
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	79.2	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002001
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	10707.4074			P
7440-36-0	Antimony	0.5191	LTC		P
7440-38-2	Arsenic	7.0783			P
7440-39-3	Barium	107.0930			P
7440-41-7	Beryllium	0.4196	LTC		P
7440-43-9	Cadmium	4.1055			P
7440-70-2	Calcium	5693.0556			P
7440-47-3	Chromium	15.0707			P
7440-48-4	Cobalt	6.2884	LTC		P
7440-50-8	Copper	19.8152			P
7439-89-6	Iron	14455.3872			P
7439-92-1	Lead	46.6187			P
7439-95-4	Magnesium	2896.3805			P
7439-96-5	Manganese	474.3855			P
7439-97-6	Mercury	0.0608	LTC		CV
7440-02-0	Nickel	13.9011			P
7440-09-7	Potassium	1376.2205			P
7782-49-2	Selenium	1.1506	LTC		P
7440-22-4	Silver	0.1661	LTC		P
7440-23-5	Sodium	73.2142	LTC		P
7440-28-0	Thallium	3.1566	BDL		P
7440-62-2	Vanadium	25.7992			P
7440-66-6	Zinc	443.4428			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0022
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	78.8	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002002
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12072.3773			P
7440-36-0	Antimony	2.1102	LTC		P
7440-38-2	Arsenic	18.0838			P
7440-39-3	Barium	200.2750			P
7440-41-7	Beryllium	0.9264			P
7440-43-9	Cadmium	19.0516			P
7440-70-2	Calcium	5873.9425			P
7440-47-3	Chromium	20.7377			P
7440-48-4	Cobalt	9.2569			P
7440-50-8	Copper	57.6789			P
7439-89-6	Iron	21802.0305			P
7439-92-1	Lead	301.2648			P
7439-95-4	Magnesium	2241.4552			P
7439-96-5	Manganese	858.4602			P
7439-97-6	Mercury	0.2025			CV
7440-02-0	Nickel	17.6083			P
7440-09-7	Potassium	1936.5059			P
7782-49-2	Selenium	2.0652	LTC		P
7440-22-4	Silver	0.5868	LTC		P
7440-23-5	Sodium	135.4103	LTC		P
7440-28-0	Thallium	3.1726	BDL		P
7440-62-2	Vanadium	33.3943			P
7440-66-6	Zinc	2180.7530			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0023
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	73.9	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002003
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13707.0365			P
7440-36-0	Antimony	1.8977	LTC		P
7440-38-2	Arsenic	20.2797			P
7440-39-3	Barium	317.1628			P
7440-41-7	Beryllium	1.0971			P
7440-43-9	Cadmium	29.1461			P
7440-70-2	Calcium	13532.2057			P
7440-47-3	Chromium	26.1506			P
7440-48-4	Cobalt	14.8331			P
7440-50-8	Copper	75.7555			P
7439-89-6	Iron	24029.3189			P
7439-92-1	Lead	271.9982			P
7439-95-4	Magnesium	4320.3428			P
7439-96-5	Manganese	1625.4849			P
7439-97-6	Mercury	0.1645			CV
7440-02-0	Nickel	28.1434			P
7440-09-7	Potassium	2667.6139			P
7782-49-2	Selenium	1.7737	LTC		P
7440-22-4	Silver	0.8818	LTC		P
7440-23-5	Sodium	152.1380	LTC		P
7440-28-0	Thallium	3.3829	BDL		P
7440-62-2	Vanadium	48.7325			P
7440-66-6	Zinc	3331.8448			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0024
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	84.8	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002004
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	10446.7767			P
7440-36-0	Antimony	1.4613	LTC		P
7440-38-2	Arsenic	12.7044			P
7440-39-3	Barium	140.4245			P
7440-41-7	Beryllium	0.6121			P
7440-43-9	Cadmium	6.1769			P
7440-70-2	Calcium	15916.2736			P
7440-47-3	Chromium	17.6368			P
7440-48-4	Cobalt	8.2320			P
7440-50-8	Copper	81.0959			P
7439-89-6	Iron	19593.5535			P
7439-92-1	Lead	167.3781			P
7439-95-4	Magnesium	7876.2185			P
7439-96-5	Manganese	672.8420			P
7439-97-6	Mercury	0.1538			CV
7440-02-0	Nickel	43.9367			P
7440-09-7	Potassium	2063.6006			P
7782-49-2	Selenium	0.9871	LTC		P
7440-22-4	Silver	0.6985	LTC		P
7440-23-5	Sodium	138.0621	LTC		P
7440-28-0	Thallium	2.9481	BDL		P
7440-62-2	Vanadium	27.0947			P
7440-66-6	Zinc	1299.7642			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0025
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	74.1	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002005
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13596.0414			P
7440-36-0	Antimony	4.8654	LTC		P
7440-38-2	Arsenic	22.6451			P
7440-39-3	Barium	216.9141			P
7440-41-7	Beryllium	1.3101			P
7440-43-9	Cadmium	106.0886			P
7440-70-2	Calcium	15739.0913			P
7440-47-3	Chromium	22.6073			P
7440-48-4	Cobalt	10.8801			P
7440-50-8	Copper	134.7697			P
7439-89-6	Iron	24949.1678			P
7439-92-1	Lead	568.8934			P
7439-95-4	Magnesium	4819.0283			P
7439-96-5	Manganese	1175.4251			P
7439-97-6	Mercury	0.3213			CV
7440-02-0	Nickel	25.9442			P
7440-09-7	Potassium	2075.2137			P
7782-49-2	Selenium	2.4309	LTC		P
7440-22-4	Silver	2.5467			P
7440-23-5	Sodium	227.1075	LTC		P
7440-28-0	Thallium	0.4270	LTC		P
7440-62-2	Vanadium	35.7823			P
7440-66-6	Zinc	10011.6059			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0026
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	71.7	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002006
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13503.6727			P
7440-36-0	Antimony	5.1371	LTC		P
7440-38-2	Arsenic	24.5839			P
7440-39-3	Barium	208.3450			P
7440-41-7	Beryllium	1.2652			P
7440-43-9	Cadmium	112.6346			P
7440-70-2	Calcium	15588.5635			P
7440-47-3	Chromium	22.7266			P
7440-48-4	Cobalt	9.7227			P
7440-50-8	Copper	140.3115			P
7439-89-6	Iron	26026.9642			P
7439-92-1	Lead	625.6857			P
7439-95-4	Magnesium	4787.6337			P
7439-96-5	Manganese	1112.8684			P
7439-97-6	Mercury	0.4808			CV
7440-02-0	Nickel	26.8159			P
7440-09-7	Potassium	1985.0767			P
7782-49-2	Selenium	2.7008	LTC		P
7440-22-4	Silver	2.6463			P
7440-23-5	Sodium	220.9205	LTC		P
7440-28-0	Thallium	3.4868	BDL		P
7440-62-2	Vanadium	36.8010			P
7440-66-6	Zinc	10682.1943			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0028
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	83.5	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002007
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13335.3293			P
7440-36-0	Antimony	7.1856	BDL		P
7440-38-2	Arsenic	9.0679			P
7440-39-3	Barium	170.3273			P
7440-41-7	Beryllium	0.9286			P
7440-43-9	Cadmium	6.8879			P
7440-70-2	Calcium	6780.6786			P
7440-47-3	Chromium	19.3353			P
7440-48-4	Cobalt	8.3025			P
7440-50-8	Copper	26.4846			P
7439-89-6	Iron	21404.3912			P
7439-92-1	Lead	185.6966			P
7439-95-4	Magnesium	3252.8543			P
7439-96-5	Manganese	656.8224			P
7439-97-6	Mercury	0.0705	LTC		CV
7440-02-0	Nickel	18.2319			P
7440-09-7	Potassium	1915.2894			P
7782-49-2	Selenium	1.3444	LTC		P
7440-22-4	Silver	0.2193	LTC		P
7440-23-5	Sodium	199.4092	LTC		P
7440-28-0	Thallium	2.9940	BDL		P
7440-62-2	Vanadium	34.4411			P
7440-66-6	Zinc	1006.3034			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0029
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	83.3	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002010
Color Before:	BLACK	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13388.1553			P
7440-36-0	Antimony	0.5394	LTC		P
7440-38-2	Arsenic	10.6122			P
7440-39-3	Barium	188.3313			P
7440-41-7	Beryllium	0.7119			P
7440-43-9	Cadmium	7.3651			P
7440-70-2	Calcium	6317.6871			P
7440-47-3	Chromium	21.5482			P
7440-48-4	Cobalt	9.9341			P
7440-50-8	Copper	27.1941			P
7439-89-6	Iron	20620.2481			P
7439-92-1	Lead	88.6251			P
7439-95-4	Magnesium	3412.6851			P
7439-96-5	Manganese	1004.4498			P
7439-97-6	Mercury	0.0737	LTC		CV
7440-02-0	Nickel	17.8067			P
7440-09-7	Potassium	1872.3489			P
7782-49-2	Selenium	1.4308	LTC		P
7440-22-4	Silver	1.2005	BDL		P
7440-23-5	Sodium	109.7031	LTC		P
7440-28-0	Thallium	3.0012	BDL		P
7440-62-2	Vanadium	35.0760			P
7440-66-6	Zinc	795.1541			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0030
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	85.5	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002011
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13824.1715			P
7440-36-0	Antimony	0.9194	LTC		P
7440-38-2	Arsenic	15.1345			P
7440-39-3	Barium	309.2710			P
7440-41-7	Beryllium	1.6872			P
7440-43-9	Cadmium	19.2020			P
7440-70-2	Calcium	9972.1248			P
7440-47-3	Chromium	20.6842			P
7440-48-4	Cobalt	13.0865			P
7440-50-8	Copper	49.9298			P
7439-89-6	Iron	26712.6706			P
7439-92-1	Lead	789.2164			P
7439-95-4	Magnesium	3687.6023			P
7439-96-5	Manganese	1212.9435			P
7439-97-6	Mercury	0.2199			CV
7440-02-0	Nickel	28.6417			P
7440-09-7	Potassium	2116.9201			P
7782-49-2	Selenium	1.4817	LTC		P
7440-22-4	Silver	0.2148	LTC		P
7440-23-5	Sodium	148.7797	LTC		P
7440-28-0	Thallium	0.3163	LTC		P
7440-62-2	Vanadium	38.4534			P
7440-66-6	Zinc	2110.7602			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0031
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	83.6	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002012
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13765.9490			P
7440-36-0	Antimony	0.7118	LTC		P
7440-38-2	Arsenic	47.3923			P
7440-39-3	Barium	174.1188			P
7440-41-7	Beryllium	1.3405			P
7440-43-9	Cadmium	10.5687			P
7440-70-2	Calcium	17421.0526			P
7440-47-3	Chromium	26.7827			P
7440-48-4	Cobalt	9.8417			P
7440-50-8	Copper	40.3198			P
7439-89-6	Iron	22718.5008			P
7439-92-1	Lead	222.3086			P
7439-95-4	Magnesium	6763.5965			P
7439-96-5	Manganese	1028.7042			P
7439-97-6	Mercury	0.3883			CV
7440-02-0	Nickel	28.0343			P
7440-09-7	Potassium	2205.0638			P
7782-49-2	Selenium	1.3583	LTC		P
7440-22-4	Silver	0.2983	LTC		P
7440-23-5	Sodium	121.9059	LTC		P
7440-28-0	Thallium	2.9904	BDL		P
7440-62-2	Vanadium	31.5215			P
7440-66-6	Zinc	1256.2600			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0032
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	76.1	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002013
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13145.5541			P
7440-36-0	Antimony	1.2718	LTC		P
7440-38-2	Arsenic	17.0916			P
7440-39-3	Barium	209.9080			P
7440-41-7	Beryllium	1.4649			P
7440-43-9	Cadmium	33.7004			P
7440-70-2	Calcium	16242.2251			P
7440-47-3	Chromium	48.6229			P
7440-48-4	Cobalt	10.4767			P
7440-50-8	Copper	67.3693			P
7439-89-6	Iron	23173.4560			P
7439-92-1	Lead	401.6820			P
7439-95-4	Magnesium	4223.6093			P
7439-96-5	Manganese	1038.9225			P
7439-97-6	Mercury	0.2629			CV
7440-02-0	Nickel	23.4345			P
7440-09-7	Potassium	1800.8760			P
7782-49-2	Selenium	1.6975	LTC		P
7440-22-4	Silver	0.8183	LTC		P
7440-23-5	Sodium	170.7008	LTC		P
7440-28-0	Thallium	3.2852	BDL		P
7440-62-2	Vanadium	37.1003			P
7440-66-6	Zinc	3416.3381			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0034
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	68.6	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002014
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	14734.2080			P
7440-36-0	Antimony	1.6945	LTC		P
7440-38-2	Arsenic	18.0369			P
7440-39-3	Barium	219.2128			P
7440-41-7	Beryllium	1.1087			P
7440-43-9	Cadmium	36.0063			P
7440-70-2	Calcium	34849.8542			P
7440-47-3	Chromium	22.1545			P
7440-48-4	Cobalt	12.2495			P
7440-50-8	Copper	98.2498			P
7439-89-6	Iron	24682.2157			P
7439-92-1	Lead	417.4587			P
7439-95-4	Magnesium	7556.9485			P
7439-96-5	Manganese	1349.6210			P
7439-97-6	Mercury	0.2720			CV
7440-02-0	Nickel	27.8081			P
7440-09-7	Potassium	2337.1720			P
7782-49-2	Selenium	1.3607	LTC		P
7440-22-4	Silver	0.6543	LTC		P
7440-23-5	Sodium	270.6997	LTC		P
7440-28-0	Thallium	3.6443	BDL		P
7440-62-2	Vanadium	36.8489			P
7440-66-6	Zinc	3649.6599			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0035
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	74.7	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002015
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	13119.3217			P
7440-36-0	Antimony	0.5078	LTC		P
7440-38-2	Arsenic	10.5288			P
7440-39-3	Barium	153.5475			P
7440-41-7	Beryllium	0.8864			P
7440-43-9	Cadmium	6.7545			P
7440-70-2	Calcium	28356.9835			P
7440-47-3	Chromium	21.0611			P
7440-48-4	Cobalt	10.5224			P
7440-50-8	Copper	39.7158			P
7439-89-6	Iron	23042.3918			P
7439-92-1	Lead	228.0544			P
7439-95-4	Magnesium	10124.3641			P
7439-96-5	Manganese	896.4123			P
7439-97-6	Mercury	0.1029	LTC		CV
7440-02-0	Nickel	24.0147			P
7440-09-7	Potassium	2094.3329			P
7782-49-2	Selenium	0.9844	LTC		P
7440-22-4	Silver	1.3387	BDL		P
7440-23-5	Sodium	257.7242	LTC		P
7440-28-0	Thallium	3.3467	BDL		P
7440-62-2	Vanadium	35.1075			P
7440-66-6	Zinc	1135.0647			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0036
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	96.1	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002016
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	11876.8644			P
7440-36-0	Antimony	0.4066	LTC		P
7440-38-2	Arsenic	11.3181			P
7440-39-3	Barium	208.9004			P
7440-41-7	Beryllium	0.8215			P
7440-43-9	Cadmium	12.0222			P
7440-70-2	Calcium	12181.4083			P
7440-47-3	Chromium	21.8550			P
7440-48-4	Cobalt	9.0112			P
7440-50-8	Copper	36.7898			P
7439-89-6	Iron	19644.4676			P
7439-92-1	Lead	557.5442			P
7439-95-4	Magnesium	4507.8391			P
7439-96-5	Manganese	1018.4148			P
7439-97-6	Mercury	0.2388			CV
7440-02-0	Nickel	21.0773			P
7440-09-7	Potassium	1786.5418			P
7782-49-2	Selenium	1.2867	LTC		P
7440-22-4	Silver	0.1250	LTC		P
7440-23-5	Sodium	88.9192	LTC		P
7440-28-0	Thallium	2.6015	BDL		P
7440-62-2	Vanadium	29.0336			P
7440-66-6	Zinc	1384.3566			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0037
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	68.3	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002017
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	14672.0351			P
7440-36-0	Antimony	3.6169	LTC		P
7440-38-2	Arsenic	18.3651			P
7440-39-3	Barium	472.3280			P
7440-41-7	Beryllium	1.1001			P
7440-43-9	Cadmium	18.0390			P
7440-70-2	Calcium	29622.2548			P
7440-47-3	Chromium	26.9175			P
7440-48-4	Cobalt	11.9533			P
7440-50-8	Copper	68.0732			P
7439-89-6	Iron	25502.6842			P
7439-92-1	Lead	3216.2030			P
7439-95-4	Magnesium	6784.4314			P
7439-96-5	Manganese	1191.0981			P
7439-97-6	Mercury	0.3195			CV
7440-02-0	Nickel	27.6642			P
7440-09-7	Potassium	2787.7989			P
7782-49-2	Selenium	1.4308	LTC		P
7440-22-4	Silver	0.3785	LTC		P
7440-23-5	Sodium	335.2806	LTC		P
7440-28-0	Thallium	3.6603	BDL		P
7440-62-2	Vanadium	36.0932			P
7440-66-6	Zinc	2866.8131			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0038
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	92.7	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002018
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	8928.4017			P
7440-36-0	Antimony	0.8244	LTC		P
7440-38-2	Arsenic	8.2279			P
7440-39-3	Barium	151.7747			P
7440-41-7	Beryllium	0.8419			P
7440-43-9	Cadmium	8.1691			P
7440-70-2	Calcium	31109.7912			P
7440-47-3	Chromium	14.4222			P
7440-48-4	Cobalt	6.8301			P
7440-50-8	Copper	28.1573			P
7439-89-6	Iron	15434.4852			P
7439-92-1	Lead	159.2621			P
7439-95-4	Magnesium	8256.8394			P
7439-96-5	Manganese	694.7156			P
7439-97-6	Mercury	0.0746	LTC		CV
7440-02-0	Nickel	15.7858			P
7440-09-7	Potassium	1585.5292			P
7782-49-2	Selenium	0.9093	LTC		P
7440-22-4	Silver	0.0938	LTC		P
7440-23-5	Sodium	151.0907	LTC		P
7440-28-0	Thallium	2.6998	BDL		P
7440-62-2	Vanadium	22.4647			P
7440-66-6	Zinc	1049.6724			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0039
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	65.3	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002019
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	16355.2833			P
7440-36-0	Antimony	1.3634	LTC		P
7440-38-2	Arsenic	17.5089			P
7440-39-3	Barium	202.1133			P
7440-41-7	Beryllium	1.3681			P
7440-43-9	Cadmium	19.4553			P
7440-70-2	Calcium	40330.2706			P
7440-47-3	Chromium	29.2695			P
7440-48-4	Cobalt	12.9633			P
7440-50-8	Copper	62.5232			P
7439-89-6	Iron	26020.4186			P
7439-92-1	Lead	404.4308			P
7439-95-4	Magnesium	8306.5850			P
7439-96-5	Manganese	1366.0337			P
7439-97-6	Mercury	0.2210			CV
7440-02-0	Nickel	32.3747			P
7440-09-7	Potassium	2991.1179			P
7782-49-2	Selenium	1.6936	LTC		P
7440-22-4	Silver	0.3292	LTC		P
7440-23-5	Sodium	169.0097	LTC		P
7440-28-0	Thallium	3.8285	BDL		P
7440-62-2	Vanadium	39.6263			P
7440-66-6	Zinc	2304.1858			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0040
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	64.8	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002020
Color Before:	BLACK	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	15843.1070			P
7440-36-0	Antimony	1.3380	LTC		P
7440-38-2	Arsenic	18.4928			P
7440-39-3	Barium	230.7202			P
7440-41-7	Beryllium	1.3433			P
7440-43-9	Cadmium	21.2721			P
7440-70-2	Calcium	34245.8848			P
7440-47-3	Chromium	35.2464			P
7440-48-4	Cobalt	14.0092			P
7440-50-8	Copper	61.2850			P
7439-89-6	Iron	27753.0864			P
7439-92-1	Lead	631.9907			P
7439-95-4	Magnesium	7088.7346			P
7439-96-5	Manganese	1270.9105			P
7439-97-6	Mercury	0.2768			CV
7440-02-0	Nickel	34.6538			P
7440-09-7	Potassium	2584.7737			P
7782-49-2	Selenium	1.5640	LTC		P
7440-22-4	Silver	0.4604	LTC		P
7440-23-5	Sodium	173.8683	LTC		P
7440-28-0	Thallium	3.8580	BDL		P
7440-62-2	Vanadium	41.9151			P
7440-66-6	Zinc	2549.3827			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Routine Sample	Sample No.:	ME0041
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	91.6	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	7118002021
Color Before:	BROWN	Date Received:	04/28/2007
Color After:	YELLOW	Texture:	COARSE
Clarity Before:		Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	12488.7191			P
7440-36-0	Antimony	6.5502	BDL		P
7440-38-2	Arsenic	8.2933			P
7440-39-3	Barium	191.6376			P
7440-41-7	Beryllium	0.5382	LTC		P
7440-43-9	Cadmium	1.4335			P
7440-70-2	Calcium	14694.3231			P
7440-47-3	Chromium	17.4924			P
7440-48-4	Cobalt	11.7071			P
7440-50-8	Copper	15.4592			P
7439-89-6	Iron	17746.3610			P
7439-92-1	Lead	25.1900			P
7439-95-4	Magnesium	7688.9738			P
7439-96-5	Manganese	1099.5997			P
7439-97-6	Mercury	0.0371	LTC		CV
7440-02-0	Nickel	15.7893			P
7440-09-7	Potassium	1485.2620			P
7782-49-2	Selenium	0.7619	LTC		P
7440-22-4	Silver	1.0917	BDL		P
7440-23-5	Sodium	61.3526	LTC		P
7440-28-0	Thallium	2.7293	BDL		P
7440-62-2	Vanadium	35.0579			P
7440-66-6	Zinc	108.4887			P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Preparation Blank	Sample No.:	PBS
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/	Case No.:	36348
% Solids:	100.0	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	18579
Color Before:		Date Received:	
Color After:		Date Prepared:	05/10/2007
Clarity Before:		Texture:	
Clarity After:		Artifacts:	

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.100	BDL		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Preparation Blank	Sample No.:	PBS
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Soil/Low	Case No.:	36348
% Solids:	100.0	SDG No.:	ME0021
Concentration Units:	MG/KG	Lab Sample ID:	BLANK
Color Before:		Date Received:	
Color After:		Date Prepared:	04/28/2007 12:00
Clarity Before:		Texture:	
Clarity After:		Artifacts:	

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	20.000	BDL		P
7440-36-0	Antimony	6.000	BDL		P
7440-38-2	Arsenic	1.000	BDL		P
7440-39-3	Barium	0.061	LTC		P
7440-41-7	Beryllium	0.500	BDL		P
7440-43-9	Cadmium	0.500	BDL		P
7440-70-2	Calcium	500.000	BDL		P
7440-47-3	Chromium	1.000	BDL		P
7440-48-4	Cobalt	5.000	BDL		P
7440-50-8	Copper	2.500	BDL		P
7439-89-6	Iron	10.000	BDL		P
7439-92-1	Lead	1.000	BDL		P
7439-95-4	Magnesium	500.000	BDL		P
7439-96-5	Manganese	1.500	BDL		P
7439-97-6	Mercury				
7440-02-0	Nickel	4.000	BDL		P
7440-09-7	Potassium	500.000	BDL		P
7782-49-2	Selenium	3.500	BDL		P
7440-22-4	Silver	1.000	BDL		P
7440-23-5	Sodium	500.000	BDL		P
7440-28-0	Thallium	2.500	BDL		P
7440-62-2	Vanadium	5.000	BDL		P
7440-66-6	Zinc	-0.252	LTC		P
57-12-5	Cyanide				

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICSAI

Date: 04/30/2007
Time: 13:49

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	248000			102
Antimony	0.00	4.7	LTC		
Arsenic	0.00	1.5	BDL		
Barium	2.00	2.3	LTC		115
Beryllium	0.00	0.19	BDL		
Cadmium	0.00	1.9	LTC		
Calcium	234100.00	247000			106
Chromium	36.00	36.6			102
Cobalt	0.00	1.9	LTC		
Copper	3.00	16.2	LTC		540
Iron	94900.00	97600			103
Lead	5.00	6.7	LTC		134
Magnesium	248800.00	261000			105
Manganese	19.00	23.8			125
Nickel	10.00	11.4	LTC		114
Potassium	0.00	-64.5	LTC		
Selenium	0.00	9.3	LTC		
Silver	0.00	-0.30	BDL		
Sodium	0.00	607	LTC		
Thallium	0.00	-1.2	BDL		
Vanadium	1.00	-1.3	LTC		-130
Zinc	39.00	43.2	LTC		111

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICSABI

Date: 04/30/2007
Time: 13:55

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	252000			101
Antimony	585.00	659			113
Arsenic	97.00	113			116
Barium	475.00	503			106
Beryllium	482.00	496			103
Cadmium	916.00	1020			111
Calcium	234300.00	249000			106
Chromium	506.00	553			109
Cobalt	455.00	500			110
Copper	537.00	566			105
Iron	95100.00	98300			103
Lead	51.00	56.1			110
Magnesium	254100.00	261000			103
Manganese	483.00	512			106
Nickel	930.00	1020			110
Potassium	0.00	-41.7	LTC		
Selenium	51.00	63.5			125
Silver	210.00	207			99
Sodium	0.00	642	LTC		
Thallium	96.00	99.9			104
Vanadium	481.00	500			104
Zinc	975.00	1070			110

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICSAF

Date: 04/30/2007
Time: 16:11

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	243000			100
Antimony	0.00	3.1	LTC		
Arsenic	0.00	2.5	LTC		
Barium	2.00	2.4	LTC		120
Beryllium	0.00	0.23	LTC		
Cadmium	0.00	1.7	LTC		
Calcium	234100.00	246000			105
Chromium	36.00	36.3			101
Cobalt	0.00	1.8	LTC		
Copper	3.00	16.7	LTC		557
Iron	94900.00	96900			102
Lead	5.00	6.0	LTC		120
Magnesium	248800.00	262000			105
Manganese	19.00	23.8			125
Nickel	10.00	11.7	LTC		117
Potassium	0.00	-51.8	LTC		
Selenium	0.00	7.4	LTC		
Silver	0.00	-1.5	LTC		
Sodium	0.00	630	LTC		
Thallium	0.00	-1.8	BDL		
Vanadium	1.00	-1.8	LTC		-180
Zinc	39.00	49.2	LTC		126

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICSABF

Date: 04/30/2007
Time: 16:17

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	246000			99
Antimony	585.00	666			114
Arsenic	97.00	111			114
Barium	475.00	503			106
Beryllium	482.00	491			102
Cadmium	916.00	1040			114
Calcium	234300.00	249000			106
Chromium	506.00	549			108
Cobalt	455.00	502			110
Copper	537.00	555			103
Iron	95100.00	98300			103
Lead	51.00	58.2			114
Magnesium	254100.00	264000			104
Manganese	483.00	504			104
Nickel	930.00	1040			112
Potassium	0.00	-66.1	LTC		
Selenium	51.00	66.1			130
Silver	210.00	209			100
Sodium	0.00	627	LTC		
Thallium	96.00	98.7			103
Vanadium	481.00	505			105
Zinc	975.00	1090			112

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICSAF2

Date: 04/30/2007
Time: 17:52

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	249000			102
Antimony	0.00	4.2	LTC		
Arsenic	0.00	1.7	BDL		
Barium	2.00	2.3	LTC		115
Beryllium	0.00	0.27	LTC		
Cadmium	0.00	1.8	LTC		
Calcium	234100.00	248000			106
Chromium	36.00	36.5			101
Cobalt	0.00	1.8	LTC		
Copper	3.00	18.1	LTC		603
Iron	94900.00	97100			102
Lead	5.00	6.4	LTC		128
Magnesium	248800.00	261000			105
Manganese	19.00	24.3			128
Nickel	10.00	11.3	LTC		113
Potassium	0.00	-37.3	BDL		
Selenium	0.00	7.9	LTC		
Silver	0.00	-0.52	BDL		
Sodium	0.00	629	LTC		
Thallium	0.00	-2.7	LTC		
Vanadium	1.00	-1.5	LTC		-150
Zinc	39.00	49.1	LTC		126

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0021	Method:	P	SDG No.:	ME0021

Sample: ICSABF2

Date: 04/30/2007
Time: 17:58

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	247000			99
Antimony	585.00	665			114
Arsenic	97.00	112			115
Barium	475.00	501			105
Beryllium	482.00	485			101
Cadmium	916.00	1040			114
Calcium	234300.00	247000			105
Chromium	506.00	552			109
Cobalt	455.00	503			111
Copper	537.00	565			105
Iron	95100.00	96900			102
Lead	51.00	57.8			113
Magnesium	254100.00	262000			103
Manganese	483.00	502			104
Nickel	930.00	1030			111
Potassium	0.00	-51.1	LTC		
Selenium	51.00	64.2			126
Silver	210.00	209			100
Sodium	0.00	620	LTC		
Thallium	96.00	99.3			103
Vanadium	481.00	504			105
Zinc	975.00	1080			111

Inorganic Laboratory Control Sample Analysis

Lab Name:	DATACHEM LABORATORIES	Sample No.:	LCSS
Lab ID:	DATAC	Contract:	EP-W-06-054
Solid LCS Source:	LCSS(0405)	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021
Date Prepared:	04/28/2007 12:00		

Analyte	True	Found	C	Limits Lower	Limits Upper	Laboratory Reported %R	CADRE Calculated %R
Aluminum	115.0	106.9		54.7	175.0		93
Antimony	66.0	75.2		27.6	104.0		114
Arsenic	253.0	286.4		154.0	352.0		113
Barium	1.6	1.7	LTC	1.0	2.2		106
Beryllium	4.9	5.1		3.0	6.8		104
Cadmium	10.9	11.7		7.7	14.0		107
Calcium	44200.0	46631.7		30300.0	58200.0		106
Chromium	27.1	29.4		18.5	35.7		108
Cobalt	37.4	47.2		24.2	50.6		126
Copper	1770.0	1935.0		1320.0	2230.0		109
Iron	6470.0	6726.9		4280.0	8660.0		104
Lead	56.9	59.6		41.4	72.4		105
Magnesium	29200.0	29897.0		20500.0	37900.0		102
Manganese	61.0	64.0		41.6	80.5		105
Mercury							
Nickel	16.3	17.7		9.0	23.7		109
Potassium	39.7	22.0	LTC	0.0	85.3		55
Selenium	10.0	12.4		4.1	15.9		124
Silver	5.9	5.7		2.7	9.1		97
Sodium	72.5	45.7	LTC	0.0	216.0		63
Thallium	9.5	9.6		2.9	16.1		101
Vanadium	17.6	17.5		11.6	23.7		99
Zinc	47.5	49.4		20.5	74.4		104
Cyanide							

Inorganic Laboratory Control Sample Analysis

Lab Name:	DATACHEM LABORATORIES	Sample No.:	LCSS
Lab ID:	DATAC	Contract:	EP-W-06-054
Solid LCS Source:	LCSS(0405)	Case No.:	36348
Concentration Units:	MG/KG	SDG No.:	ME0021
Date Prepared:	05/10/2007		

Analyte	True	Found	C	Limits Lower	Limits Upper	Laboratory Reported %R	CADRE Calculated %R
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury	3.6	2.9		1.9	5.3		81
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Thallium							
Vanadium							
Zinc							
Cyanide							

Inorganic Matrix Spike Analysis

		Sample No.:	ME0028S
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0021
Concentration Units:	MG/KG	% Solids:	83.5

Analyte	Spiked Sample Result(SSR)	C	Sample Result(SR)	C	Spike Added(SA)	Laboratory Reported %R	CADRE Calculated %R	Q	M
Aluminum									
Antimony	8.4990		7.1856	BDL	23.95		35	N	P
Arsenic	17.7285		9.0679		9.58		90		P
Barium	639.5210		170.3273		479.04		98		P
Beryllium	12.6172		0.9286		11.98		98		P
Cadmium	18.7230		6.8879		11.98		99		P
Calcium									
Chromium	68.2339		19.3353		47.90		102		P
Cobalt	128.7066		8.3025		119.76		101		P
Copper	87.8922		26.4846		59.88		103		P
Iron									
Lead	237.4611		185.6966		4.79		1081		P
Magnesium									
Manganese	589.1497		656.8224		119.76		-57		P
Mercury	0.6631		0.0705	LTC	0.60		99		CV
Nickel	136.8703		18.2319		119.76		99		P
Potassium									
Selenium	13.0263		1.3444	LTC	11.98		98		P
Silver	11.7367		0.2193	LTC	11.98		96		P
Sodium									
Thallium	12.0078		2.9940	BDL	11.98		100		P
Vanadium	146.8743		34.4411		119.76		94		P
Zinc	1095.8842		1006.3034		119.76		75		P
Cyanide									

Inorganic Post-Digest Spike Analysis

		Sample No.:	ME0028A
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0021
Concentration Units:	UG/L		

Analyte	Spiked Sample Result(SSR)	C	Sample Result(SR)	C	Spike Added(SA)	Laboratory Reported %R	CADRE Calculated %R	Q	M
Aluminum									
Antimony	116.79		60.00	BDL	120.00		97		P
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Inorganic Serial Dilution Analysis

		Sample No.:	ME0028L
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Soil/Low	SDG No.:	ME0021
Concentration Units:	UG/L		

Analyte	Initial Sample Result(I)	C	Serial Dilution Result(S)	C	Laboratory Reported %D	CADRE Calculated %D	Q	M
Aluminum	111350.00		113636.67			2		P
Antimony	60.00	BDL	300.00	BDL				P
Arsenic	75.72		71.98			5		P
Barium	1422.23		1464.48			3		P
Beryllium	7.75		7.96	LTC		3		P
Cadmium	57.51		57.70			0		P
Calcium	56618.67		58856.67			4		P
Chromium	161.45		158.35			2		P
Cobalt	69.33		69.85	LTC		1		P
Copper	221.15		208.17			6		P
Iron	178726.67		188181.67			5		P
Lead	1550.57		1604.65			3		P
Magnesium	27161.33		28301.33			4		P
Manganese	5484.47		5707.83			4		P
Mercury								
Nickel	152.24		156.65	LTC		3		P
Potassium	15992.67		16104.00	LTC		1		P
Selenium	11.23	LTC	17.86	LTC		59		P
Silver	1.83	LTC	50.00	BDL		100		P
Sodium	1665.07	LTC	1603.73	LTC		4		P
Thallium	25.00	BDL	125.00	BDL				P
Vanadium	287.58		292.56			2		P
Zinc	8402.63		8515.83			1		P
Cyanide								

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0021 File Name: ME0021

Sample No.:	ME0021	ME0022	ME0023	ME0024	ME0025
Regional No.:	ME0021	ME0022	ME0023	ME0024	ME0025
Sample Location:	MHS-062-BY-1	MHS-068-BY-1	MHS-070-BY-1	MHS-071-FY-1	MHS-076-SY-1
Sample Type:	Routine Sample	Routine Sample	Routine Sample	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	79.2	78.8	73.9	84.8	74.1
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	10700		12100		13700		10400		13600	
Antimony	0.52	J	2.1	J	1.9	J	1.5	J	4.9	J
Arsenic	7.1		18.1		20.3		12.7		22.6	
Barium	107		200		317		140		217	
Beryllium	0.42	J	0.93		1.1		0.61		1.3	
Cadmium	4.1		19.1		29.1		6.2		106	
Calcium	5690		5870		13500		15900		15700	
Chromium	15.1		20.7		26.2		17.6		22.6	
Cobalt	6.3		9.3		14.8		8.2		10.9	
Copper	19.8		57.7		75.8		81.1		135	
Iron	14500		21800		24000		19600		24900	
Lead	46.6		301		272		167		569	
Magnesium	2900		2240		4320		7880		4820	
Manganese	474		858		1630		673		1180	
Mercury	0.061	J	0.20		0.16		0.15		0.32	
Nickel	13.9		17.6		28.1		43.9		25.9	
Potassium	1380		1940		2670		2060		2080	
Selenium	1.2	J	2.1	J	1.8	J	0.99	J	2.4	J
Silver	0.17	J	0.59	J	0.88	J	0.70	J	2.5	
Sodium	73.2	J	135	J	152	J	138	J	227	J
Thallium	3.2	U	3.2	U	3.4	U	2.9	U	0.43	J
Vanadium	25.8		33.4		48.7		27.1		35.8	
Zinc	443		2180		3330		1300		10000	
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0021 File Name: ME0021

Sample No.:	ME0026	ME0028	ME0028D	ME0028S	ME0029
Regional No.:	ME0026	ME0028	ME0028D	ME0028S	ME0029
Sample Location:	MHS-076-SY-1 -DP	MHS-087-SY-1	MHS-087-SY-1	MHS-087-SY-1	MHS-088-FY-1
Sample Type:	Routine Sample	Routine Sample	Duplicate	Matrix Spike	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	71.7	83.5	83.0	83.5	83.3
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	13500		13300		12400				13400	
Antimony	5.1	J	7.2	UJ	7.2	U	8.5		0.54	J
Arsenic	24.6		9.1		7.9		17.7		10.6	
Barium	208		170		160		640		188	
Beryllium	1.3		0.93		0.83		12.6		0.71	
Cadmium	113		6.9		7.0		18.7		7.4	
Calcium	15600		6780		7100				6320	
Chromium	22.7		19.3		18.4		68.2		21.5	
Cobalt	9.7		8.3		7.0		129		9.9	
Copper	140		26.5		26.2		87.9		27.2	
Iron	26000		21400		18700				20600	
Lead	626		186		203		237		88.6	
Magnesium	4790		3250		3110				3410	
Manganese	1110		657		466		589		1000	
Mercury	0.48		0.070	J	0.075	J	0.66		0.074	J
Nickel	26.8		18.2		16.7		137		17.8	
Potassium	1990		1920		1740				1870	
Selenium	2.7	J	1.3	J	1.3	J	13.0		1.4	J
Silver	2.6		0.22	J	0.12	J	11.7		1.2	U
Sodium	221	J	199	J	182	J			110	J
Thallium	3.5	U	3.0	U	3.0	U	12.0		3.0	U
Vanadium	36.8		34.4		29.2		147		35.1	
Zinc	10700		1010		1070		1100		795	
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0021 File Name: ME0021

Sample No.:	ME0030	ME0031	ME0032	ME0034	ME0035
Regional No.:	ME0030	ME0031	ME0032	ME0034	ME0035
Sample Location:	MHS-089-FY-2	MHS-090-BY-1	MHS-099-SY-1	MHS-101-SY-1	MHS-104-FY-1
Sample Type:	Routine Sample	Routine Sample	Routine Sample	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	85.5	83.6	76.1	68.6	74.7
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	13800		13800		13100		14700		13100	
Antimony	0.92	J	0.71	J	1.3	J	1.7	J	0.51	J
Arsenic	15.1		47.4		17.1		18.0		10.5	
Barium	309		174		210		219		154	
Beryllium	1.7		1.3		1.5		1.1		0.89	
Cadmium	19.2		10.6		33.7		36.0		6.8	
Calcium	9970		17400		16200		34800		28400	
Chromium	20.7		26.8		48.6		22.2		21.1	
Cobalt	13.1		9.8		10.5		12.2		10.5	
Copper	49.9		40.3		67.4		98.2		39.7	
Iron	26700		22700		23200		24700		23000	
Lead	789		222		402		417		228	
Magnesium	3690		6760		4220		7560		10100	
Manganese	1210		1030		1040		1350		896	
Mercury	0.22		0.39		0.26		0.27		0.10	J
Nickel	28.6		28.0		23.4		27.8		24.0	
Potassium	2120		2210		1800		2340		2090	
Selenium	1.5	J	1.4	J	1.7	J	1.4	J	0.98	J
Silver	0.21	J	0.30	J	0.82	J	0.65	J	1.3	U
Sodium	149	J	122	J	171	J	271	J	258	J
Thallium	0.32	J	3.0	U	3.3	U	3.6	U	3.3	U
Vanadium	38.5		31.5		37.1		36.8		35.1	
Zinc	2110		1260		3420		3650		1140	
Cyanide										

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0021 File Name: ME0021

Sample No.:	ME0036	ME0037	ME0038	ME0039	ME0040
Regional No.:	ME0036	ME0037	ME0038	ME0039	ME0040
Sample Location:	MHS-109-FY-1	MHS-112-BY-1	MHS-117-FY-1	MHS-119-SY-1	MHS-119-SY-2
Sample Type:	Routine Sample	Routine Sample	Routine Sample	Routine Sample	Routine Sample
Matrix/Level:	Soil/Low	Soil/Low	Soil/Low	Soil/Low	Soil/Low
% Solids:	96.1	68.3	92.7	65.3	64.8
Units:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	11900		14700		8930		16400		15800	
Antimony	0.41	J	3.6	J	0.82	J	1.4	J	1.3	J
Arsenic	11.3		18.4		8.2		17.5		18.5	
Barium	209		472		152		202		231	
Beryllium	0.82		1.1		0.84		1.4		1.3	
Cadmium	12.0		18.0		8.2		19.5		21.3	
Calcium	12200		29600		31100		40300		34200	
Chromium	21.9		26.9		14.4		29.3		35.2	
Cobalt	9.0		12.0		6.8		13.0		14.0	
Copper	36.8		68.1		28.2		62.5		61.3	
Iron	19600		25500		15400		26000		27800	
Lead	558		3220		159		404		632	
Magnesium	4510		6780		8260		8310		7090	
Manganese	1020		1190		695		1370		1270	
Mercury	0.24		0.32		0.075	J	0.22		0.28	
Nickel	21.1		27.7		15.8		32.4		34.7	
Potassium	1790		2790		1590		2990		2580	
Selenium	1.3	J	1.4	J	0.91	J	1.7	J	1.6	J
Silver	0.13	J	0.38	J	0.094	J	0.33	J	0.46	J
Sodium	88.9	J	335	J	151	J	169	J	174	J
Thallium	2.6	U	3.7	U	2.7	U	3.8	U	3.9	U
Vanadium	29.0		36.1		22.5		39.6		41.9	
Zinc	1380		2870		1050		2300		2550	
Cyanide										

Final Flag Results

Case No.:	36348	Protocol:	INORG	Lab ID:	DATAC
SDG No.:	ME0021			File Name:	ME0021

Sample No.:	ME0041	PBS
Regional No.:	ME0041	
Sample Location:	MHS-130-FY-1	
Sample Type:	Routine Sample	Preparation Blank
Matrix/Level:	Soil/Low	Soil/
% Solids:	91.6	100.0
Units:	MG/KG	MG/KG

Analyte	Result	Flag	Result	Flag
Aluminum	12500		20.0	U
Antimony	6.6	UJ	6.0	U
Arsenic	8.3		1.0	U
Barium	192		0.061	
Beryllium	0.54	J	0.50	U
Cadmium	1.4		0.50	U
Calcium	14700		500	U
Chromium	17.5		1.0	U
Cobalt	11.7		5.0	U
Copper	15.5		2.5	U
Iron	17700		10.0	U
Lead	25.2		1.0	U
Magnesium	7690		500	U
Manganese	1100		1.5	U
Mercury	0.037	J	0.10	U
Nickel	15.8		4.0	U
Potassium	1490		500	U
Selenium	0.76	J	3.5	U
Silver	1.1	U	1.0	U
Sodium	61.4	J	500	U
Thallium	2.7	U	2.5	U
Vanadium	35.1		5.0	U
Zinc	108		-0.252	
Cyanide				

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	AAS-CVG
Case No.:	36348	Method Type:	CV
SDG No.:	ME0021	Date Analyzed:	01/10/2007
Preparation Code:	CS1	Date Prepared:	01/10/07 00:00

CAS No.	Analyte	MDL MG/KG
7429-90-5	Aluminum	
7440-36-0	Antimony	
7440-38-2	Arsenic	
7440-39-3	Barium	
7440-41-7	Beryllium	
7440-43-9	Cadmium	
7440-70-2	Calcium	
7440-47-3	Chromium	
7440-48-4	Cobalt	
7440-50-8	Copper	
7439-89-6	Iron	
7439-92-1	Lead	
7439-95-4	Magnesium	
7439-96-5	Manganese	
7439-97-6	Mercury	0.017
7440-02-0	Nickel	
7440-09-7	Potassium	
7782-49-2	Selenium	
7440-22-4	Silver	
7440-23-5	Sodium	
7440-28-0	Thallium	
7440-62-2	Vanadium	
7440-66-6	Zinc	
	Cyanide	

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	ICP07
Case No.:	36348	Method Type:	P
SDG No.:	ME0021	Date Analyzed:	01/12/2007
Preparation Code:	NP1	Date Prepared:	01/12/07 00:00

CAS No.	Analyte	MDL UG/L
7429-90-5	Aluminum	51.7
7440-36-0	Antimony	2.2
7440-38-2	Arsenic	1.9
7440-39-3	Barium	0.48
7440-41-7	Beryllium	0.20
7440-43-9	Cadmium	0.099
7440-70-2	Calcium	5.5
7440-47-3	Chromium	2.4
7440-48-4	Cobalt	0.40
7440-50-8	Copper	4.1
7439-89-6	Iron	12.6
7439-92-1	Lead	1.4
7439-95-4	Magnesium	18.0
7439-96-5	Manganese	0.71
7439-97-6	Mercury	
7440-02-0	Nickel	2.2
7440-09-7	Potassium	40.0
7782-49-2	Selenium	2.2
7440-22-4	Silver	0.59
7440-23-5	Sodium	18.0
7440-28-0	Thallium	1.9
7440-62-2	Vanadium	0.67
7440-66-6	Zinc	1.8
	Cyanide	

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	ICP07
Case No.:	36348	Method Type:	P
SDG No.:	ME0021	Date Analyzed:	01/04/2007
Preparation Code:	HS1	Date Prepared:	01/04/07 00:00

CAS No.	Analyte	MDL MG/KG
7429-90-5	Aluminum	5.9
7440-36-0	Antimony	0.24
7440-38-2	Arsenic	0.30
7440-39-3	Barium	0.032
7440-41-7	Beryllium	0.028
7440-43-9	Cadmium	0.012
7440-70-2	Calcium	8.0
7440-47-3	Chromium	0.46
7440-48-4	Cobalt	0.067
7440-50-8	Copper	0.39
7439-89-6	Iron	1.3
7439-92-1	Lead	0.22
7439-95-4	Magnesium	2.3
7439-96-5	Manganese	0.15
7439-97-6	Mercury	
7440-02-0	Nickel	0.87
7440-09-7	Potassium	8.1
7782-49-2	Selenium	0.21
7440-22-4	Silver	0.085
7440-23-5	Sodium	5.0
7440-28-0	Thallium	0.21
7440-62-2	Vanadium	0.075
7440-66-6	Zinc	0.23
	Cyanide	

Invalid Contents Error Report

Case No.: 36348 SDG No.: ME0021 Lab ID: DATAC

File Name: U:\Apps\DAT\MFData\ASF\ME0021.asf

Line No.	Sample Number	Field Name	Reported Value	Error Type	Expected Format
1		Method Number	ILM05.4	InvalidValue	
250		Method Number	ILM05.4	InvalidValue	

Missing Contents Error Report

Case No.: 36348 SDG No.: ME0021 Lab ID: DATAC

File Name: U:\Apps\DAT\MFData\ASF\ME0021.asf

Line No.	Sample Number	Field Name
14	S0	First Instrument Value
19	S0.2	First Instrument Value
24	S0.5	First Instrument Value
29	S1.0	First Instrument Value
34	S5.0	First Instrument Value
368	S0	Lab Sample ID
415	S1500	Lab Sample ID
432	S10000	Lab Sample ID
453	S50000	Lab Sample ID
468	ICV	Lab Sample ID
515	ICB	Lab Sample ID
562	ICSAI	Lab Sample ID
609	ICSABI	Lab Sample ID
656	CCV	Lab Sample ID
703	CCB	Lab Sample ID
1319	CCV2	Lab Sample ID
1366	CCB2	Lab Sample ID
1461	ME0028L	Lab Sample ID
1754	ICSAF	Lab Sample ID
1801	ICSABF	Lab Sample ID
1848	CCV3	Lab Sample ID
1895	CCB3	Lab Sample ID
2299	ME0028A	Lab Sample ID
2305	CCV4	Lab Sample ID
2352	CCB4	Lab Sample ID
2399	CRIF2	Lab Sample ID
2446	ICSAF2	Lab Sample ID
2493	ICSABF2	Lab Sample ID
2540	CCV5	Lab Sample ID
2587	CCB5	Lab Sample ID

Analytical Sample Listing

Case No.: 36348 Protocol: INORG Lab ID: DATAC

SDG No.: ME0021 File Name: ME0021

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Code	Preparation Date	Preparation Time	Analysis Date	Analysis Time	Method	Instrument
LCSS	Laboratory Control Sample	Soil	Low			CS1	05/10/07	00:00	05/11/07	18:12	CV	AAS-CVG
						HS1	04/28/07	12:00	04/30/07	14:19	P	ICP07
ME0021	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:13	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/30/07	14:25	P	ICP07
ME0022	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:15	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/30/07	14:30	P	ICP07
ME0023	Routine Sample	Soil	Low	04/18/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:16	CV	AAS-CVG
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/30/07	14:36	P	ICP07
ME0024	Routine Sample	Soil	Low	04/19/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:18	CV	AAS-CVG
				04/19/07	04/28/07	HS1	04/28/07	12:00	04/30/07	14:42	P	ICP07
ME0025	Routine Sample	Soil	Low	04/18/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:19	CV	AAS-CVG
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/30/07	14:48	P	ICP07
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/30/07	16:35	P	ICP07
ME0026	Routine Sample	Soil	Low	04/18/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:21	CV	AAS-CVG
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/30/07	14:54	P	ICP07
				04/18/07	04/28/07	HS1	04/28/07	12:00	04/30/07	16:41	P	ICP07
ME0028	Post Digest Spike Original	Soil	Low	04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:00	P	ICP07
ME0028	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:22	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:00	P	ICP07
ME0028	Serial Dilution Original	Soil	Low	04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:00	P	ICP07
ME0028A	Post Digest Spike	Soil	Low	04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	17:28	P	ICP07
ME0028D	Duplicate	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:27	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:23	P	ICP07
ME0028L	Serial Dilution	Soil	Low	04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:29	P	ICP07
ME0028S	Matrix Spike	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:28	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:06	P	ICP07
ME0029	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:29	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:35	P	ICP07
ME0030	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:31	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:41	P	ICP07
ME0031	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:32	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:47	P	ICP07
ME0032	Routine Sample	Soil	Low	04/17/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:34	CV	AAS-CVG

Analytical Sample Listing

Case No.: 36348 Protocol: INORG Lab ID: DATAC

SDG No.: ME0021 File Name: ME0021

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Code	Preparation Date	Preparation Time	Analysis Date	Analysis Time	Method	Instrument
				04/17/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:53	P	ICP07
ME0034	Routine Sample	Soil	Low	04/17/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:35	CV	AAS-CVG
				04/17/07	04/28/07	HS1	04/28/07	12:00	04/30/07	15:59	P	ICP07
ME0035	Routine Sample	Soil	Low	04/17/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:37	CV	AAS-CVG
				04/17/07	04/28/07	HS1	04/28/07	12:00	04/30/07	16:46	P	ICP07
ME0036	Routine Sample	Soil	Low	04/24/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:38	CV	AAS-CVG
				04/24/07	04/28/07	HS1	04/28/07	12:00	04/30/07	16:52	P	ICP07
ME0037	Routine Sample	Soil	Low	04/17/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:44	CV	AAS-CVG
				04/17/07	04/28/07	HS1	04/28/07	12:00	04/30/07	16:58	P	ICP07
ME0038	Routine Sample	Soil	Low	04/17/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:45	CV	AAS-CVG
				04/17/07	04/28/07	HS1	04/28/07	12:00	04/30/07	17:04	P	ICP07
ME0039	Routine Sample	Soil	Low	04/16/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:47	CV	AAS-CVG
				04/16/07	04/28/07	HS1	04/28/07	12:00	04/30/07	17:10	P	ICP07
ME0040	Routine Sample	Soil	Low	04/16/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:48	CV	AAS-CVG
				04/16/07	04/28/07	HS1	04/28/07	12:00	04/30/07	17:16	P	ICP07
ME0041	Routine Sample	Soil	Low	04/25/07	04/28/07	CS1	05/10/07	00:00	05/11/07	18:50	CV	AAS-CVG
				04/25/07	04/28/07	HS1	04/28/07	12:00	04/30/07	17:22	P	ICP07
PBS	Preparation Blank	Soil				CS1	05/10/07	00:00	05/11/07	18:10	CV	AAS-CVG
						HS1	04/28/07	12:00	04/30/07	14:12	P	ICP07

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	AAS-CVG
Case No.:	36348			Method Type:	CV
SDG No.:	ME0021			File Name:	ME0021

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
MDL	Method Detection Limits	01/10/2007		Hg
LRV	Linear Range Values	05/11/2007		Hg
S0	Calibration Standard	05/11/2007	17:53	Hg
S0.2	Calibration Standard	05/11/2007	17:54	Hg
S0.5	Calibration Standard	05/11/2007	17:55	Hg
S1.0	Calibration Standard	05/11/2007	17:57	Hg
S5.0	Calibration Standard	05/11/2007	17:58	Hg
S10	Calibration Standard	05/11/2007	18:00	Hg
ICV	Initial Calibration	05/11/2007	18:02	Hg
ICB	Calibration Blank	05/11/2007	18:03	Hg
CCV	Continuing Calibration	05/11/2007	18:08	Hg
CCB	Calibration Blank	05/11/2007	18:09	Hg
PBS	Preparation Blank	05/11/2007	18:10	Hg
LCSS	Laboratory Control Sample	05/11/2007	18:12	Hg
ME0021	Routine Sample	05/11/2007	18:13	Hg
ME0022	Routine Sample	05/11/2007	18:15	Hg
ME0023	Routine Sample	05/11/2007	18:16	Hg
ME0024	Routine Sample	05/11/2007	18:18	Hg
ME0025	Routine Sample	05/11/2007	18:19	Hg
ME0026	Routine Sample	05/11/2007	18:21	Hg
ME0028	Routine Sample	05/11/2007	18:22	Hg
CCV2	Continuing Calibration	05/11/2007	18:24	Hg
CCB2	Calibration Blank	05/11/2007	18:25	Hg
ME0028D	Duplicate	05/11/2007	18:27	Hg
ME0028S	Matrix Spike	05/11/2007	18:28	Hg
ME0029	Routine Sample	05/11/2007	18:29	Hg
ME0030	Routine Sample	05/11/2007	18:31	Hg
ME0031	Routine Sample	05/11/2007	18:32	Hg
ME0032	Routine Sample	05/11/2007	18:34	Hg
ME0034	Routine Sample	05/11/2007	18:35	Hg
ME0035	Routine Sample	05/11/2007	18:37	Hg
ME0036	Routine Sample	05/11/2007	18:38	Hg
CCV3	Continuing Calibration	05/11/2007	18:41	Hg
CCB3	Calibration Blank	05/11/2007	18:42	Hg
ME0037	Routine Sample	05/11/2007	18:44	Hg
ME0038	Routine Sample	05/11/2007	18:45	Hg
ME0039	Routine Sample	05/11/2007	18:47	Hg
ME0040	Routine Sample	05/11/2007	18:48	Hg
ME0041	Routine Sample	05/11/2007	18:50	Hg
CRIF2	CRDL/CRQL Standard (ICP)	05/11/2007	18:51	Hg
CCV4	Continuing Calibration	05/11/2007	18:53	Hg
CCB4	Calibration Blank	05/11/2007	18:54	Hg

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	ICP07
Case No.:	36348			Method Type:	P
SDG No.:	ME0021			File Name:	ME0021

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
MDL	Method Detection Limits	01/04/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
MDL	Method Detection Limits	01/12/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
LRV	Linear Range Values	04/17/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
S0	Calibration Standard	04/30/2007	13:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
S1500	Calibration Standard	04/30/2007	13:13	As Be Cd Pb Se Ag Tl
S10000	Calibration Standard	04/30/2007	13:19	Sb Ba Cr Co Cu Mn Ni V Zn
S50000	Calibration Standard	04/30/2007	13:25	Al Ca Fe Mg K Na
ICV	Initial Calibration	04/30/2007	13:31	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICB	Calibration Blank	04/30/2007	13:37	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAI	Interference Check Solution	04/30/2007	13:49	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABI	Interference Check Solution	04/30/2007	13:55	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV	Continuing Calibration	04/30/2007	14:01	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB	Calibration Blank	04/30/2007	14:06	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
PBS	Preparation Blank	04/30/2007	14:12	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
LCSS	Laboratory Control Sample	04/30/2007	14:19	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0021	Routine Sample	04/30/2007	14:25	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0022	Routine Sample	04/30/2007	14:30	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0023	Routine Sample	04/30/2007	14:36	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0024	Routine Sample	04/30/2007	14:42	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0025	Routine Sample	04/30/2007	14:48	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0026	Routine Sample	04/30/2007	14:54	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028	Routine Sample	04/30/2007	15:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028	Serial Dilution Original	04/30/2007	15:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028	Post Digest Spike Original	04/30/2007	15:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028S	Matrix Spike	04/30/2007	15:06	Sb As Ba Be Cd Cr Co Cu Pb Mn Ni Se

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	ICP07
Case No.:	36348			Method Type:	P
SDG No.:	ME0021			File Name:	ME0021

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
				Ag Tl V Zn
CCV2	Continuing Calibration	04/30/2007	15:12	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB2	Calibration Blank	04/30/2007	15:17	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028D	Duplicate	04/30/2007	15:23	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028L	Serial Dilution	04/30/2007	15:29	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0029	Routine Sample	04/30/2007	15:35	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0030	Routine Sample	04/30/2007	15:41	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0031	Routine Sample	04/30/2007	15:47	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0032	Routine Sample	04/30/2007	15:53	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0034	Routine Sample	04/30/2007	15:59	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAF	Interference Check Solution	04/30/2007	16:11	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABF	Interference Check Solution	04/30/2007	16:17	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV3	Continuing Calibration	04/30/2007	16:23	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB3	Calibration Blank	04/30/2007	16:28	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0025	Routine Sample	04/30/2007	16:35	Zn
ME0026	Routine Sample	04/30/2007	16:41	Zn
ME0035	Routine Sample	04/30/2007	16:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0036	Routine Sample	04/30/2007	16:52	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0037	Routine Sample	04/30/2007	16:58	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0038	Routine Sample	04/30/2007	17:04	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0039	Routine Sample	04/30/2007	17:10	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0040	Routine Sample	04/30/2007	17:16	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0041	Routine Sample	04/30/2007	17:22	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0028A	Post Digest Spike	04/30/2007	17:28	Sb
CCV4	Continuing Calibration	04/30/2007	17:34	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB4	Calibration Blank	04/30/2007	17:40	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb

Analytical Sequence

Lab ID:	DATAC	Protocol: INORG		Instrument:	ICP07
Case No.:	36348			Method Type:	P
SDG No.:	ME0021			File Name:	ME0021

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
				Mg Mn Ni K Se Ag Na Tl V Zn
CRIF2	CRDL/CRQL Standard (ICP)	04/30/2007	17:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAF2	Interference Check Solution	04/30/2007	17:52	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABF2	Interference Check Solution	04/30/2007	17:58	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV5	Continuing Calibration	04/30/2007	18:04	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB5	Calibration Blank	04/30/2007	18:10	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0021

Site : MATTHIESSEN AND HEGELER ZINC COMPANY Number of Soil Samples : 19

Lab. : DATAC Number of Water Samples : 0

Reviewer :

Date :

Sample Number :	ME0021		ME0022		ME0023		ME0024		ME0025	
Sampling Location :	MHS-062-BY-		MHS-068-BY-		MHS-070-BY-		MHS-071-FY-		MHS-076-SY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/19/2007		4/19/2007		4/18/2007		4/19/2007		4/18/2007	
Time Sampled :										
%Solids :	79.2		78.8		73.9		84.8		74.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	10700		12100		13700		10400		13600	
ANTIMONY	0.52	J	2.1	J	1.9	J	1.5	J	4.9	J
ARSENIC	7.1		18.1		20.3		12.7		22.6	
BARIUM	107		200		317		140		217	
BERYLLIUM	0.42	J	0.93		1.1		0.61		1.3	
CADMIUM	4.1		19.1		29.1		6.2		106	
CALCIUM	5690		5870		13500		15900		15700	
CHROMIUM	15.1		20.7		26.2		17.6		22.6	
COBALT	6.3		9.3		14.8		8.2		10.9	
COPPER	19.8		57.7		75.8		81.1		135	
IRON	14500		21800		24000		19600		24900	
LEAD	46.6		301		272		167		569	
MAGNESIUM	2900		2240		4320		7880		4820	
MANGANESE	474		858		1630		673		1180	
MERCURY	0.061	J	0.20		0.16		0.15		0.32	
NICKEL	13.9		17.6		28.1		43.9		25.9	
POTASSIUM	1380		1940		2670		2060		2080	
SELENIUM	1.2	J	2.1	J	1.8	J	0.99	J	2.4	J
SILVER	0.17	J	0.59	J	0.88	J	0.70	J	2.5	
SODIUM	73.2	J	135	J	152	J	138	J	227	J
THALLIUM	3.2	U	3.2	U	3.4	U	2.9	U	0.43	J
VANADIUM	25.8		33.4		48.7		27.1		35.8	
ZINC	443		2180		3330		1300		10000	

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0021
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0026		ME0028		ME0029		ME0030		ME0031	
Sampling Location :	MHS-076-SY-		MHS-087-SY-		MHS-088-FY-		MHS-089-FY-		MHS-090-BY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/18/2007		4/24/2007		4/24/2007		4/24/2007		4/24/2007	
Time Sampled :										
%Solids :	71.7		83.5		83.3		85.5		83.6	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	13500		13300		13400		13800		13800	
ANTIMONY	5.1	J	7.2	UJ	0.54	J	0.92	J	0.71	J
ARSENIC	24.6		9.1		10.6		15.1		47.4	
BARIUM	208		170		188		309		174	
BERYLLIUM	1.3		0.93		0.71		1.7		1.3	
CADMIUM	113		6.9		7.4		19.2		10.6	
CALCIUM	15600		6780		6320		9970		17400	
CHROMIUM	22.7		19.3		21.5		20.7		26.8	
COBALT	9.7		8.3		9.9		13.1		9.8	
COPPER	140		26.5		27.2		49.9		40.3	
IRON	26000		21400		20600		26700		22700	
LEAD	626		186		88.6		789		222	
MAGNESIUM	4790		3250		3410		3690		6760	
MANGANESE	1110		657		1000		1210		1030	
MERCURY	0.48		0.070	J	0.074	J	0.22		0.39	
NICKEL	26.8		18.2		17.8		28.6		28.0	
POTASSIUM	1990		1920		1870		2120		2210	
SELENIUM	2.7	J	1.3	J	1.4	J	1.5	J	1.4	J
SILVER	2.6		0.22	J	1.2	U	0.21	J	0.30	J
SODIUM	221	J	199	J	110	J	149	J	122	J
THALLIUM	3.5	U	3.0	U	3.0	U	0.32	J	3.0	U
VANADIUM	36.8		34.4		35.1		38.5		31.5	
ZINC	10700		1010		795		2110		1260	

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0021
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0032		ME0034		ME0035		ME0036		ME0037	
Sampling Location :	MHS-099-SY-		MHS-101-SY-		MHS-104-FY-		MHS-109-FY-		MHS-112-BY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/17/2007		4/17/2007		4/17/2007		4/24/2007		4/17/2007	
Time Sampled :										
%Solids :	76.1		68.6		74.7		96.1		68.3	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	13100		14700		13100		11900		14700	
ANTIMONY	1.3	J	1.7	J	0.51	J	0.41	J	3.6	J
ARSENIC	17.1		18.0		10.5		11.3		18.4	
BARIUM	210		219		154		209		472	
BERYLLIUM	1.5		1.1		0.89		0.82		1.1	
CADMIUM	33.7		36.0		6.8		12.0		18.0	
CALCIUM	16200		34800		28400		12200		29600	
CHROMIUM	48.6		22.2		21.1		21.9		26.9	
COBALT	10.5		12.2		10.5		9.0		12.0	
COPPER	67.4		98.2		39.7		36.8		68.1	
IRON	23200		24700		23000		19600		25500	
LEAD	402		417		228		558		3220	
MAGNESIUM	4220		7560		10100		4510		6780	
MANGANESE	1040		1350		896		1020		1190	
MERCURY	0.26		0.27		0.10	J	0.24		0.32	
NICKEL	23.4		27.8		24.0		21.1		27.7	
POTASSIUM	1800		2340		2090		1790		2790	
SELENIUM	1.7	J	1.4	J	0.98	J	1.3	J	1.4	J
SILVER	0.82	J	0.65	J	1.3	U	0.12	J	0.38	J
SODIUM	171	J	271	J	258	J	88.9	J	335	J
THALLIUM	3.3	U	3.6	U	3.3	U	2.6	U	3.7	U
VANADIUM	37.1		36.8		35.1		29.0		36.1	
ZINC	3420		3650		1140		1380		2870	

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0021
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. : DATAC
Reviewer :
Date :

Sample Number :	ME0038		ME0039		ME0040		ME0041		ME0028D	
Sampling Location :	MHS-117-FY-		MHS-119-SY-		MHS-119-SY-		MHS-130-FY-		MHS-087-SY-1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	4/17/2007		4/16/2007		4/16/2007		4/25/2007		4/24/2007	
Time Sampled :										
%Solids :	92.6		65.3		64.8		91.6		83.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	8930		16400		15800		12500		12400	
ANTIMONY	0.82	J	1.4	J	1.3	J	6.6	UJ	7.2	U
ARSENIC	8.2		17.5		18.5		8.3		7.9	
BARIUM	152		202		231		192		160	
BERYLLIUM	0.84		1.4		1.3		0.54	J	0.83	
CADMIUM	8.2		19.5		21.3		1.4		7.0	
CALCIUM	31100		40300		34200		14700		7100	
CHROMIUM	14.4		29.3		35.2		17.5		18.4	
COBALT	6.8		13.0		14.0		11.7		7.0	
COPPER	28.2		62.5		61.3		15.5		26.2	
IRON	15400		26000		27800		17700		18700	
LEAD	159		404		632		25.2		203	
MAGNESIUM	8260		8310		7090		7690		3110	
MANGANESE	695		1370		1270		1100		466	
MERCURY	0.075	J	0.22		0.28		0.037	J	0.075	J
NICKEL	15.8		32.4		34.7		15.8		16.7	
POTASSIUM	1590		2990		2580		1490		1740	
SELENIUM	0.91	J	1.7	J	1.6	J	0.76	J	1.3	J
SILVER	0.090	J	0.33	J	0.46	J	1.1	U	0.12	J
SODIUM	151	J	169	J	174	J	61.4	J	182	J
THALLIUM	2.7	U	3.8	U	3.9	U	2.7	U	3.0	U
VANADIUM	22.5		39.6		41.9		35.1		29.2	
ZINC	1050		2300		2550		108		1070	

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Analytical Results (Qualified Data) Page ____ of ____

Case #: 36348 SDG : ME0021
Site : MATTHIESSEN AND HEGELER ZINC COMPANY
Lab. :
Reviewer :
Date :

Sample Number :	ME0028S									
Sampling Location :	MHS-087-SY-1									
Matrix :	Soil									
Units :	mg/Kg									
Date Sampled :	4/24/2007									
Time Sampled :										
%Solids :	83.5									
Dilution Factor :	1.0									
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM										
ANTIMONY	8.5									
ARSENIC	17.7									
BARIUM	640									
BERYLLIUM	12.6									
CADMIUM	18.7									
CALCIUM										
CHROMIUM	68.2									
COBALT	129									
COPPER	87.9									
IRON										
LEAD	237									
MAGNESIUM										
MANGANESE	589									
MERCURY	0.66									
NICKEL	137									
POTASSIUM										
SELENIUM	13.0									
SILVER	11.7									
SODIUM										
THALLIUM	12.0									
VANADIUM	147									
ZINC	1100									

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ME0021 CERCLIS No: IL0000064782

Case No: 36348 Site Name/Location: Matthiessen and Hegeler Zinc

Contractor or EPA Lab: Data Chem Data User: Weston

No. of Samples: 19 Date Sampled or Date Received: 5/15/07

Have Chain-of-Custody records been received? Yes X No_____
Have traffic reports or packing lists been received? Yes X No _____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes X No____
No of samples claimed: _____ No. of samples received: _____

Received by: Adams Johnson Date: 5/15/07

Received by LSSS: Adams Johnson Date: 5/17/07

Review started: _____ Reviewer Signature: _____

Total time spent on review: _____ Date review completed: _____

Copied by: _____ Date: _____

Mailed to user by: Adams Johnson Date: 31 May 07

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: _____

ESAT Controlled Number: ESAT5.05.00120-poj 5/21/07

00097-4H-AAT J

DATE: May 31, 2007

Weston Solutions, Inc.
ATTN: **Ms. Tonya Balla**
750 East Bunker Court – Suite 500
Vernon Hills, IL 60061-1450

SITE NAME: Matthiessen & Hegeler Zinc Site – M & H Zinc Site (IL)

1 **CASE #**	**LAB**	5 **SAMPLES**	6 **SDG**	**MATRIX**
2 36348	3 DataChem	4 2	7 ME0027	8 water

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

PLEASE! Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Johnson
Data Coordinator
ESAT Region 5/**TechLaw**

Controlled Document

ESAT5.03.00052

Regional Transmittal Form

ST 5-31-07

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 5/11/07

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: Weston

We have reviewed the data for the following case:

SITE NAME: M+H Zinc Site (IL)

CASE NUMBER: 36348 SDG NUMBER: ME0027

Number and Type of Samples: 2 Water Samples

Sample Numbers: ME0027; ME0033

Laboratory: DataChem Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Calibrations **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CRDL/CRQL Standard **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Duplicates **Protocol: INORG**

DC-1 The following inorganic samples are associated with duplicate analyses which have not met analytical sequence criteria. Hits and non-detects are not flagged. Use professional judgment.

Aluminum
ME0027, ME0033

Antimony
ME0027, ME0033

Arsenic
ME0027, ME0033

Barium
ME0027, ME0033

Beryllium
ME0027, ME0033

Cadmium
ME0027, ME0033

Calcium
ME0027, ME0033

Chromium
ME0027, ME0033

Cobalt
ME0027, ME0033

Copper
ME0027, ME0033

Iron
ME0027, ME0033

Lead
ME0027, ME0033

Magnesium
ME0027, ME0033

Manganese
ME0027, ME0033

Data Review Results

Lab ID: DATAC
File Name: ME0027

Case No.: 36348
SDG No.: ME0027

Method: ILM05
Criteria: ILM05

Flag :NFG
Defects: ILM05DEFECT

Mercury
ME0027, ME0033

Nickel
ME0027, ME0033

Potassium
ME0027, ME0033

Selenium
ME0027, ME0033

Silver
ME0027, ME0033

Sodium
ME0027, ME0033

Thallium
ME0027, ME0033

Vanadium
ME0027, ME0033

Zinc
ME0027, ME0033

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Holding Time **Protocol: INORG**

DC-2 The following inorganic water samples had no pH data. Hits and non-detects are not flagged.

ME0027

Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

ME0033

Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Interference Check Sample **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Blanks **Protocol: INORG**

DC-15 The following inorganic samples are associated with an ICB concentration which is less than or equal to the CRQL. Detected sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Calcium
ME0027, ME0033

Sodium
ME0027, ME0033

DC-18 The following inorganic samples are associated with a CCB concentration which is less than or equal to the CRQL. Sample result is also less than or equal to the CRQL. Hits are qualified "U". Sample result is raised to the CRQL if "Raise to detection limit" option is selected by the validator.

Calcium
ME0027, ME0033

Sodium
ME0027, ME0033

DC-22 The following inorganic samples are associated with a CCB analyte with negative concentration whose absolute value is greater than or equal to the method detection limit (MDL) but less than or equal to the CRQL. Use professional judgement to qualify sample data.

Magnesium
ME0027, ME0033

Zinc
ME0027, ME0033

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Laboratory Control Sample **Protocol: INORG**

No defects found.

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Matrix Spikes **Protocol: INORG**

DC-1 The following inorganic samples are associated with matrix spikes which were not run in the required analytical frequency. Hits and non-detects are not flagged. Use professional judgment.

Aluminum
ME0027, ME0033

Antimony
ME0027, ME0033

Arsenic
ME0027, ME0033

Barium
ME0027, ME0033

Beryllium
ME0027, ME0033

Cadmium
ME0027, ME0033

Calcium
ME0027, ME0033

Chromium
ME0027, ME0033

Cobalt
ME0027, ME0033

Copper
ME0027, ME0033

Iron
ME0027, ME0033

Lead
ME0027, ME0033

Magnesium
ME0027, ME0033

Manganese
ME0027, ME0033

Data Review Results

Lab ID: DATAC
File Name: ME0027

Case No.: 36348
SDG No.: ME0027

Method: ILM05
Criteria: ILM05

Flag :NFG
Defects: ILM05DEFECT

Mercury
ME0027, ME0033

Nickel
ME0027, ME0033

Potassium
ME0027, ME0033

Selenium
ME0027, ME0033

Silver
ME0027, ME0033

Sodium
ME0027, ME0033

Thallium
ME0027, ME0033

Vanadium
ME0027, ME0033

Zinc
ME0027, ME0033

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Sample Result Verification **Protocol: INORG**

DC-5 The following inorganic samples have analyte concentrations reported below the quantitation limit (CRQL). All results below the CRQL are qualified"J".

ME0027

Calcium, Sodium

ME0033

Calcium, Sodium

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: Serial Dilution **Protocol: INORG**

DC-2 A field blank or a PE sample was used for an inorganic Serial Dilution analysis. The sample data associated with the serial dilution analysis must be qualified using professional judgement. Hits and non-detects are not flagged.

ME0027, ME0033

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Qualification: CADRE Reserved **Protocol: INORG**

DC-2 Verification of non-detected results and assignment of "U" qualifier when the reported value is less than detection limit.

ME0027, ME0033, PBW

Data Review Results

Lab ID: DATAC	Case No.: 36348	Method: ILM05	Flag :NFG
File Name: ME0027	SDG No.: ME0027	Criteria: ILM05	Defects: ILM05DEFECT

Data Review Criteria Set Options:

Detection Limit
- PEST pct D expanded criteria
- Use MDL X

Holding Time
- Region 3 PAH option
- Region 3 PCB option
- Expanded criteria
- Inorganic missing pH option

Calibrations
- RRF expanded criteria
- VOA/BNA PctD expanded criteria
- VOA/BNA PctRSD expanded criteria
- Use mean RRF
- Use VOA/BNA dual purpose standard option
- Use initial INDA/INDB pct resolution
- Use continuing INDA/INDB pct resolution
- Use PEST low concentration option
- PEST low concentration PctRSD expanded criteria
- Use DMC/SMC/Surrogate option
- Use INORG extreme high pct recovery X

Matrix Spikes
- Use PEST low concentration rules

DMC/SMC/Surrogates
- Region 3 validation rules
- Check dilution factor
- Use advisory surrogates
- Use low concentration rules
- Use BNA low concentration expanded criteria

CADRE association rules X

IPC/Tune
- Expanded criteria

System Performance
- Use initial PEM pct resolution
- Use continuing PEM pct resolution

CRDL/CRQL Standards
- Region 2 validation rules
- Region 3 validation rules

LCS
- Pct rec expanded criteria X

Duplicates
- RPD and AD expanded criteria

Furnace AA QC
- Pct R expanded upper criteria
- Corr coef expanded criteria

Blanks
- Raise to detection limit
- Use VOA storage/inst blanks
- Use low concentration rules

Field QC
- Combine method/field blanks
- CRDL contamination criteria

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	AAS-CVG	Case No.:	36348
File Name:	ME0027	Method:	CV	SDG No.:	ME0027

Sample: ICV

Date: 05/08/2007
Time: 10:34

Solution Source: ICV-5(1104)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	4.10	4.03		98

Sample: CCV

Date: 05/08/2007
Time: 10:38

Solution Source: SPEX
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.05		101

Sample: CCV2

Date: 05/08/2007
Time: 10:47

Solution Source: SPEX
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	5.00	5.10		102

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: ICV

Date: 05/07/2007
Time: 14:09

Solution Source: ICV-1(1201)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	2482.00	2519.90		102
Antimony	992.00	990.96		100
Arsenic	996.00	985.07		99
Barium	502.00	491.20		98
Beryllium	493.00	496.52		101
Cadmium	494.00	490.81		99
Calcium	10180.00	10002.87		98
Chromium	490.00	489.11		100
Cobalt	496.00	489.10		99
Copper	490.00	486.56		99
Iron	5107.00	5078.47		99
Lead	996.00	993.70		100
Magnesium	6003.00	6057.80		101
Manganese	495.00	490.21		99
Nickel	492.00	486.62		99
Potassium	10008.00	9833.60		98
Selenium	1005.00	1004.70		100
Silver	495.00	490.54		99
Sodium	10039.00	9840.73		98
Thallium	1027.00	1014.17		99
Vanadium	501.00	503.74		101
Zinc	1000.00	992.03		99

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: CCV

Date: 05/07/2007
Time: 14:39

Solution Source: C.P.I.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24143.67		97
Antimony	5000.00	4945.50		99
Arsenic	750.00	746.33		100
Barium	5000.00	4777.93		96
Beryllium	750.00	746.74		100
Cadmium	750.00	723.05		96
Calcium	25000.00	24048.33		96
Chromium	5000.00	4915.80		98
Cobalt	5000.00	4835.33		97
Copper	5000.00	4738.57		95
Iron	25000.00	24182.00		97
Lead	750.00	717.42		96
Magnesium	25000.00	24187.00		97
Manganese	5000.00	4726.50		95
Nickel	5000.00	4794.33		96
Potassium	25000.00	24018.00		96
Selenium	750.00	743.67		99
Silver	750.00	717.24		96
Sodium	25000.00	23599.33		94
Thallium	750.00	732.40		98
Vanadium	5000.00	4806.57		96
Zinc	5000.00	4845.27		97

Calibration Verification Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: CCV2

Date: 05/07/2007
Time: 15:40

Solution Source: C.P.I.
Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	25000.00	24188.67		97
Antimony	5000.00	4890.97		98
Arsenic	750.00	735.50		98
Barium	5000.00	4828.37		97
Beryllium	750.00	750.41		100
Cadmium	750.00	714.07		95
Calcium	25000.00	24206.00		97
Chromium	5000.00	4876.20		98
Cobalt	5000.00	4781.90		96
Copper	5000.00	4711.93		94
Iron	25000.00	24352.33		97
Lead	750.00	708.45		94
Magnesium	25000.00	24393.67		98
Manganese	5000.00	4739.37		95
Nickel	5000.00	4736.53		95
Potassium	25000.00	24211.00		97
Selenium	750.00	734.52		98
Silver	750.00	721.17		96
Sodium	25000.00	23873.67		95
Thallium	750.00	723.80		97
Vanadium	5000.00	4817.67		96
Zinc	5000.00	4779.63		96

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0027	SDG No.:	ME0027

Instrument: AAS-CVG	Blank: ICB	Blank: CCB	Blank: CCB2
Method: CV	Date: 05/08/2007 10:35	Date: 05/08/2007 10:39	Date: 05/08/2007 10:48
Run No.: 2	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C
Mercury	0.200	BDL	0.200	BDL	0.200	BDL

Calibration Blanks

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
File Name:	ME0027	SDG No.:	ME0027

Instrument: ICP07	Blank: ICB	Blank: CCB	Blank: CCB2
Method: P	Date: 05/07/2007 14:15	Date: 05/07/2007 14:45	Date: 05/07/2007 15:46
Run No.: 1	Units: UG/L	Units: UG/L	Units: UG/L

Analyte	Result	C	Result	C	Result	C
Aluminum	200.000	BDL	200.000	BDL	200.000	BDL
Antimony	60.000	BDL	60.000	BDL	60.000	BDL
Arsenic	10.000	BDL	10.000	BDL	10.000	BDL
Barium	200.000	BDL	0.925	LTC	200.000	BDL
Beryllium	0.294	LTC	0.254	LTC	5.000	BDL
Cadmium	0.362	LTC	0.373	LTC	5.000	BDL
Calcium	30.104	LTC	41.251	LTC	5000.000	BDL
Chromium	10.000	BDL	10.000	BDL	10.000	BDL
Cobalt	50.000	BDL	0.559	LTC	50.000	BDL
Copper	25.000	BDL	25.000	BDL	25.000	BDL
Iron	23.237	LTC	29.034	LTC	100.000	BDL
Lead	10.000	BDL	1.553	LTC	10.000	BDL
Magnesium	5000.000	BDL	23.206	LTC	-20.343	LTC
Manganese	15.000	BDL	1.248	LTC	15.000	BDL
Nickel	40.000	BDL	40.000	BDL	40.000	BDL
Potassium	42.434	LTC	47.405	LTC	5000.000	BDL
Selenium	35.000	BDL	35.000	BDL	35.000	BDL
Silver	10.000	BDL	0.668	LTC	10.000	BDL
Sodium	104.217	LTC	111.323	LTC	5000.000	BDL
Thallium	25.000	BDL	25.000	BDL	25.000	BDL
Vanadium	50.000	BDL	50.000	BDL	50.000	BDL
Zinc	17.544	LTC	17.109	LTC	-2.343	LTC

CRDL/CRQL Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	AAS-CVG	Case No.:	36348
File Name:	ME0027	Method:	CV	SDG No.:	ME0027

Sample: CRIF

Date: 05/08/2007

Time: 10:45

Solution Source: SPEX

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Mercury	0.2	0.20		100

CRDL/CRQL Standard

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: CRIF

Date: 05/07/2007

Time: 15:22

Solution Source: I.V.

Concentration Units: UG/L

Analyte	True Amount	Found Amount	Laboratory Reported %R	CADRE Calculated %R
Aluminum	200.00	186.06		93
Antimony	60.00	58.66		98
Arsenic	10.00	10.41		104
Barium	200.00	195.99		98
Beryllium	5.00	4.94		99
Cadmium	5.00	4.96		99
Calcium	5000.00	4927.50		99
Chromium	10.00	9.84		98
Cobalt	50.00	48.10		96
Copper	25.00	24.61		98
Iron	100.00	100.41		100
Lead	10.00	10.01		100
Magnesium	5000.00	4931.67		99
Manganese	15.00	14.70		98
Nickel	40.00	39.10		98
Potassium	5000.00	4866.90		97
Selenium	35.00	34.34		98
Silver	10.00	10.21		102
Sodium	5000.00	4818.00		96
Thallium	25.00	24.86		99
Vanadium	50.00	49.30		99
Zinc	60.00	60.30		101

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0027
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water / Low	Case No.:	36348
Concentration Units:	UG/L	SDG No.:	ME0027

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	222.2222	BDL	41.6	222
Antimony	66.6667	BDL	3.5	66.7
Arsenic	11.1111	BDL	1.8	11.1
Barium	222.2222	BDL	0.32	222
Beryllium	5.5556	BDL	0.16	5.6
Cadmium	5.5556	BDL	0.14	5.6
Calcium	45.3678	LTC	24.4	5560
Chromium	11.1111	BDL	1.6	11.1
Cobalt	55.5556	BDL	0.48	55.6
Copper	27.7778	BDL	5.5	27.8
Iron	111.1111	BDL	7	111
Lead	11.1111	BDL	1.7	11.1
Magnesium	5555.5556	BDL	40.2	5560
Manganese	16.6667	BDL	0.83	16.7
Mercury	0.2000	BDL	0.018	0.2
Nickel	44.4444	BDL	7	44.4
Potassium	5555.5556	BDL	67.4	5560
Selenium	38.8889	BDL	4.4	38.9
Silver	11.1111	BDL	0.89	11.1
Sodium	108.2597	LTC	13.9	5560
Thallium	27.7778	BDL	2	27.8
Vanadium	55.5556	BDL	0.57	55.6
Zinc	66.6667	BDL	4.3	66.7
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	ME0033
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water / Low	Case No.:	36348
Concentration Units:	UG/L	SDG No.:	ME0027

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	222.2222	BDL	41.6	222
Antimony	66.6667	BDL	3.5	66.7
Arsenic	11.1111	BDL	1.8	11.1
Barium	222.2222	BDL	0.32	222
Beryllium	5.5556	BDL	0.16	5.6
Cadmium	5.5556	BDL	0.14	5.6
Calcium	62.5781	LTC	24.4	5560
Chromium	11.1111	BDL	1.6	11.1
Cobalt	55.5556	BDL	0.48	55.6
Copper	27.7778	BDL	5.5	27.8
Iron	111.1111	BDL	7	111
Lead	1.5078	LTC	1.7	11.1
Magnesium	5555.5556	BDL	40.2	5560
Manganese	16.6667	BDL	0.83	16.7
Mercury	0.2000	BDL	0.018	0.2
Nickel	44.4444	BDL	7	44.4
Potassium	5555.5556	BDL	67.4	5560
Selenium	38.8889	BDL	4.4	38.9
Silver	11.1111	BDL	0.89	11.1
Sodium	141.3741	LTC	13.9	5560
Thallium	27.7778	BDL	2	27.8
Vanadium	55.5556	BDL	0.57	55.6
Zinc	66.6667	BDL	4.3	66.7
Cyanide				

Adjusted Detection Limit Results

Lab Name:	DATACHEM LABORATORIES	Sample No.:	PBW
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water / Low	Case No.:	36348
Concentration Units:	UG/L	SDG No.:	ME0027

Analyte	Lab Result	Result Qualifier	CADRE Adjusted MDL	CADRE Adjusted CRQL
Aluminum	222.222	BDL	41.6	222.222
Antimony	66.667	BDL	3.5	66.667
Arsenic	11.111	BDL	1.8	11.111
Barium	0.500	LTC	0.32	222.222
Beryllium	5.556	BDL	0.16	5.556
Cadmium	5.556	BDL	0.14	5.556
Calcium	5555.556	BDL	24.4	5555.556
Chromium	11.111	BDL	1.6	11.111
Cobalt	55.556	BDL	0.48	55.556
Copper	27.778	BDL	5.5	27.778
Iron	111.111	BDL	7	111.111
Lead	11.111	BDL	1.7	11.111
Magnesium	5555.556	BDL	40.2	5555.556
Manganese	16.667	BDL	0.83	16.667
Mercury	0.200	BDL	0.018	0.2
Nickel	44.444	BDL	7	44.444
Potassium	5555.556	BDL	67.4	5555.556
Selenium	38.889	BDL	4.4	38.889
Silver	11.111	BDL	0.89	11.111
Sodium	41.266	LTC	13.9	5555.556
Thallium	27.778	BDL	2	27.778
Vanadium	55.556	BDL	0.57	55.556
Zinc	-4.187	LTC	4.3	66.667
Cyanide				

Inorganic Sample Analysis

Sample Type:	Field Blank	Sample No.:	ME0027
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water/Low	Case No.:	36348
% Solids:	0.0	SDG No.:	ME0027
Concentration Units:	UG/L	Lab Sample ID:	7118003001
Color Before:	COLORLESS	Date Received:	04/28/2007
Color After:	COLORLESS	Texture:	
Clarity Before:	CLEAR	Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	222.2222	BDL		P
7440-36-0	Antimony	66.6667	BDL		P
7440-38-2	Arsenic	11.1111	BDL		P
7440-39-3	Barium	222.2222	BDL		P
7440-41-7	Beryllium	5.5556	BDL		P
7440-43-9	Cadmium	5.5556	BDL		P
7440-70-2	Calcium	45.3678	LTC		P
7440-47-3	Chromium	11.1111	BDL		P
7440-48-4	Cobalt	55.5556	BDL		P
7440-50-8	Copper	27.7778	BDL		P
7439-89-6	Iron	111.1111	BDL		P
7439-92-1	Lead	11.1111	BDL		P
7439-95-4	Magnesium	5555.5556	BDL		P
7439-96-5	Manganese	16.6667	BDL		P
7439-97-6	Mercury	0.2000	BDL		CV
7440-02-0	Nickel	44.4444	BDL		P
7440-09-7	Potassium	5555.5556	BDL		P
7782-49-2	Selenium	38.8889	BDL		P
7440-22-4	Silver	11.1111	BDL		P
7440-23-5	Sodium	108.2597	LTC		P
7440-28-0	Thallium	27.7778	BDL		P
7440-62-2	Vanadium	55.5556	BDL		P
7440-66-6	Zinc	66.6667	BDL		P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Field Blank	Sample No.:	ME0033
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water/Low	Case No.:	36348
% Solids:	0.0	SDG No.:	ME0027
Concentration Units:	UG/L	Lab Sample ID:	7118003002
Color Before:	COLORLESS	Date Received:	04/28/2007
Color After:	COLORLESS	Texture:	
Clarity Before:	CLEAR	Artifacts:	
Clarity After:	CLEAR		

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	222.2222	BDL		P
7440-36-0	Antimony	66.6667	BDL		P
7440-38-2	Arsenic	11.1111	BDL		P
7440-39-3	Barium	222.2222	BDL		P
7440-41-7	Beryllium	5.5556	BDL		P
7440-43-9	Cadmium	5.5556	BDL		P
7440-70-2	Calcium	62.5781	LTC		P
7440-47-3	Chromium	11.1111	BDL		P
7440-48-4	Cobalt	55.5556	BDL		P
7440-50-8	Copper	27.7778	BDL		P
7439-89-6	Iron	111.1111	BDL		P
7439-92-1	Lead	1.5078	LTC		P
7439-95-4	Magnesium	5555.5556	BDL		P
7439-96-5	Manganese	16.6667	BDL		P
7439-97-6	Mercury	0.2000	BDL		CV
7440-02-0	Nickel	44.4444	BDL		P
7440-09-7	Potassium	5555.5556	BDL		P
7782-49-2	Selenium	38.8889	BDL		P
7440-22-4	Silver	11.1111	BDL		P
7440-23-5	Sodium	141.3741	LTC		P
7440-28-0	Thallium	27.7778	BDL		P
7440-62-2	Vanadium	55.5556	BDL		P
7440-66-6	Zinc	66.6667	BDL		P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Preparation Blank	Sample No.:	PBW
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water/Low	Case No.:	36348
% Solids:	0.0	SDG No.:	ME0027
Concentration Units:	UG/L	Lab Sample ID:	BLANK
Color Before:		Date Received:	
Color After:		Date Prepared:	05/03/2007 16:00
Clarity Before:		Texture:	
Clarity After:		Artifacts:	

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum	222.222	BDL		P
7440-36-0	Antimony	66.667	BDL		P
7440-38-2	Arsenic	11.111	BDL		P
7440-39-3	Barium	0.500	LTC		P
7440-41-7	Beryllium	5.556	BDL		P
7440-43-9	Cadmium	5.556	BDL		P
7440-70-2	Calcium	5555.556	BDL		P
7440-47-3	Chromium	11.111	BDL		P
7440-48-4	Cobalt	55.556	BDL		P
7440-50-8	Copper	27.778	BDL		P
7439-89-6	Iron	111.111	BDL		P
7439-92-1	Lead	11.111	BDL		P
7439-95-4	Magnesium	5555.556	BDL		P
7439-96-5	Manganese	16.667	BDL		P
7439-97-6	Mercury				
7440-02-0	Nickel	44.444	BDL		P
7440-09-7	Potassium	5555.556	BDL		P
7782-49-2	Selenium	38.889	BDL		P
7440-22-4	Silver	11.111	BDL		P
7440-23-5	Sodium	41.266	LTC		P
7440-28-0	Thallium	27.778	BDL		P
7440-62-2	Vanadium	55.556	BDL		P
7440-66-6	Zinc	-4.187	LTC		P
57-12-5	Cyanide				

Inorganic Sample Analysis

Sample Type:	Preparation Blank	Sample No.:	PBW
Lab Name:	DATACHEM LABORATORIES		
Lab ID:	DATAC	Contract:	EP-W-06-054
Matrix/Level:	Water/	Case No.:	36348
% Solids:	0.0	SDG No.:	ME0027
Concentration Units:	UG/L	Lab Sample ID:	17989
Color Before:		Date Received:	
Color After:		Date Prepared:	05/07/2007 15:58
Clarity Before:		Texture:	
Clarity After:		Artifacts:	

CAS No.	Analyte	Lab Reported Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.200	BDL		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
57-12-5	Cyanide				

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: ICSAI

Date: 05/07/2007
Time: 14:27

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	247000			101
Antimony	0.00	5.9	LTC		
Arsenic	0.00	2.1	LTC		
Barium	2.00	2.2	LTC		110
Beryllium	0.00	0.14	BDL		
Cadmium	0.00	2.0	LTC		
Calcium	234100.00	246000			105
Chromium	36.00	35.9			100
Cobalt	0.00	1.6	LTC		
Copper	3.00	17.1	LTC		570
Iron	94900.00	96500			102
Lead	5.00	5.4	LTC		108
Magnesium	248800.00	256000			103
Manganese	19.00	23.8			125
Nickel	10.00	11.2	LTC		112
Potassium	0.00	-38.0	BDL		
Selenium	0.00	6.3	LTC		
Silver	0.00	0.36	BDL		
Sodium	0.00	635	LTC		
Thallium	0.00	-0.99	BDL		
Vanadium	1.00	-1.5	LTC		-150
Zinc	39.00	42.7	LTC		109

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: ICSABI

Date: 05/07/2007
Time: 14:33

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	246000			99
Antimony	585.00	652			111
Arsenic	97.00	110			113
Barium	475.00	491			103
Beryllium	482.00	502			104
Cadmium	916.00	1020			111
Calcium	234300.00	245000			105
Chromium	506.00	548			108
Cobalt	455.00	491			108
Copper	537.00	548			102
Iron	95100.00	96800			102
Lead	51.00	58.3			114
Magnesium	254100.00	255000			100
Manganese	483.00	504			104
Nickel	930.00	997			107
Potassium	0.00	-35.1	BDL		
Selenium	51.00	62.0			122
Silver	210.00	210			100
Sodium	0.00	659	LTC		
Thallium	96.00	99.2			103
Vanadium	481.00	500			104
Zinc	975.00	1050			108

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: ICSAF

Date: 05/07/2007
Time: 15:28

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	243900.00	250000			103
Antimony	0.00	3.9	LTC		
Arsenic	0.00	1.1	BDL		
Barium	2.00	2.2	LTC		110
Beryllium	0.00	0.15	BDL		
Cadmium	0.00	2.0	LTC		
Calcium	234100.00	247000			106
Chromium	36.00	36.4			101
Cobalt	0.00	1.7	LTC		
Copper	3.00	19.7	LTC		657
Iron	94900.00	96900			102
Lead	5.00	4.9	LTC		98
Magnesium	248800.00	258000			104
Manganese	19.00	24.5			129
Nickel	10.00	11.3	LTC		113
Potassium	0.00	-45.3	LTC		
Selenium	0.00	9.1	LTC		
Silver	0.00	0.80	LTC		
Sodium	0.00	647	LTC		
Thallium	0.00	-2.0	LTC		
Vanadium	1.00	-0.98	LTC		-98
Zinc	39.00	46.3	LTC		119

Interference Check Sample

Lab Name:	DATACHEM LABORATORIES			Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument:	ICP07	Case No.:	36348
File Name:	ME0027	Method:	P	SDG No.:	ME0027

Sample: ICSABF

Date: 05/07/2007
Time: 15:34

Solution Source: EPA(0803)
Concentration Units: UG/L

Analyte	True Amount	Found Amount	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	248400.00	253000			102
Antimony	585.00	658			112
Arsenic	97.00	110			113
Barium	475.00	501			105
Beryllium	482.00	509			106
Cadmium	916.00	1030			112
Calcium	234300.00	250000			107
Chromium	506.00	550			109
Cobalt	455.00	495			109
Copper	537.00	566			105
Iron	95100.00	98200			103
Lead	51.00	57.0			112
Magnesium	254100.00	262000			103
Manganese	483.00	518			107
Nickel	930.00	1010			109
Potassium	0.00	5.8	BDL		
Selenium	51.00	62.9			123
Silver	210.00	211			100
Sodium	0.00	676	LTC		
Thallium	96.00	102			106
Vanadium	481.00	506			105
Zinc	975.00	1060			109

Inorganic Laboratory Control Sample Analysis

Lab Name:	DATACHEM LABORATORIES	Sample No.:	LCSW
Lab ID:	DATAC	Contract:	EP-W-06-054
Aqueous LCS Source:	ICV-1(1201)	Case No.:	36348
Concentration Units:	UG/L	SDG No.:	ME0027
Date Prepared:	05/03/2007 16:00		

Analyte	True	Found	C	Laboratory Reported %R	CADRE Calculated %R
Aluminum	2482.0	2472.63			100
Antimony	992.0	962.45			97
Arsenic	996.0	961.48			97
Barium	502.0	484.67			97
Beryllium	493.0	480.83			98
Cadmium	494.0	482.01			98
Calcium	10180.0	9814.96			96
Chromium	490.0	499.72			102
Cobalt	496.0	486.14			98
Copper	490.0	474.82			97
Iron	5107.0	5007.19			98
Lead	996.0	978.42			98
Magnesium	6003.0	5843.52			97
Manganese	495.0	478.04			97
Mercury					
Nickel	492.0	486.38			99
Potassium	10008.0	9574.04			96
Selenium	1005.0	970.20			97
Silver	495.0	454.26			92
Sodium	10039.0	9587.19			95
Thallium	1027.0	996.28			97
Vanadium	501.0	487.50			97
Zinc	1000.0	978.64			98
Cyanide					

Inorganic Serial Dilution Analysis

		Sample No.:	ME0027L
Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Case No.:	36348
Matrix/Level:	Water/Low	SDG No.:	ME0027
Concentration Units:	UG/L		

Analyte	Initial Sample Result(I)	C	Serial Dilution Result(S)	C	Laboratory Reported %D	CADRE Calculated %D	Q	M
Aluminum	200.00	BDL	1000.00	BDL				P
Antimony	60.00	BDL	300.00	BDL				P
Arsenic	10.00	BDL	50.00	BDL				P
Barium	200.00	BDL	1000.00	BDL				P
Beryllium	5.00	BDL	25.00	BDL				P
Cadmium	5.00	BDL	25.00	BDL				P
Calcium	40.83	LTC	25000.00	BDL		100		P
Chromium	10.00	BDL	50.00	BDL				P
Cobalt	50.00	BDL	250.00	BDL				P
Copper	25.00	BDL	125.00	BDL				P
Iron	100.00	BDL	500.00	BDL				P
Lead	10.00	BDL	50.00	BDL				P
Magnesium	5000.00	BDL	25000.00	BDL				P
Manganese	15.00	BDL	75.00	BDL				P
Mercury								
Nickel	40.00	BDL	200.00	BDL				P
Potassium	5000.00	BDL	25000.00	BDL				P
Selenium	35.00	BDL	175.00	BDL				P
Silver	10.00	BDL	50.00	BDL				P
Sodium	97.43	LTC	271.64	LTC		179		P
Thallium	25.00	BDL	125.00	BDL				P
Vanadium	50.00	BDL	250.00	BDL				P
Zinc	60.00	BDL	24.17	LTC				P
Cyanide								

Final Flag Results

Case No.: 36348 Protocol: INORG Lab ID: DATAC
SDG No.: ME0027 File Name: ME0027

Sample No.:	ME0027	ME0033	PBW
Regional No.:	ME0027	ME0033	
Sample Location:	MHS-081-RINS E BLANK	MHS-101-RINS E BLANK	
Sample Type:	Field Blank	Field Blank	Preparation Blank
Matrix/Level:	Water/Low	Water/Low	Water/Low
% Solids:	0.0	0.0	0.0
Units:	UG/L	UG/L	UG/L

Analyte	Result	Flag	Result	Flag	Result	Flag
Aluminum	222	U	222	U	222	U
Antimony	66.7	U	66.7	U	66.7	U
Arsenic	11.1	U	11.1	U	11.1	U
Barium	222	U	222	U	0.50	
Beryllium	5.6	U	5.6	U	5.6	U
Cadmium	5.6	U	5.6	U	5.6	U
Calcium	45.4	UJ	62.6	UJ	5556	U
Chromium	11.1	U	11.1	U	11.1	U
Cobalt	55.6	U	55.6	U	55.6	U
Copper	27.8	U	27.8	U	27.8	U
Iron	111	U	111	U	111	U
Lead	11.1	U	11.1	U	11.1	U
Magnesium	5560	U	5560	U	5556	U
Manganese	16.7	U	16.7	U	16.7	U
Mercury	0.20	U	0.20	U	0.20	U
Nickel	44.4	U	44.4	U	44.4	U
Potassium	5560	U	5560	U	5556	U
Selenium	38.9	U	38.9	U	38.9	U
Silver	11.1	U	11.1	U	11.1	U
Sodium	108	UJ	141	UJ	41.3	
Thallium	27.8	U	27.8	U	27.8	U
Vanadium	55.6	U	55.6	U	55.6	U
Zinc	66.7	U	66.7	U	66.7	U
Cyanide						

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	ICP07
Case No.:	36348	Method Type:	P
SDG No.:	ME0027	Date Analyzed:	01/12/2007
Preparation Code:	NP1	Date Prepared:	01/12/07 00:00

CAS No.	Analyte	MDL UG/L
7429-90-5	Aluminum	51.7
7440-36-0	Antimony	2.2
7440-38-2	Arsenic	1.9
7440-39-3	Barium	0.48
7440-41-7	Beryllium	0.20
7440-43-9	Cadmium	0.099
7440-70-2	Calcium	5.5
7440-47-3	Chromium	2.4
7440-48-4	Cobalt	0.40
7440-50-8	Copper	4.1
7439-89-6	Iron	12.6
7439-92-1	Lead	1.4
7439-95-4	Magnesium	18.0
7439-96-5	Manganese	0.71
7439-97-6	Mercury	
7440-02-0	Nickel	2.2
7440-09-7	Potassium	40.0
7782-49-2	Selenium	2.2
7440-22-4	Silver	0.59
7440-23-5	Sodium	18.0
7440-28-0	Thallium	1.9
7440-62-2	Vanadium	0.67
7440-66-6	Zinc	1.8
	Cyanide	

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	ICP07
Case No.:	36348	Method Type:	P
SDG No.:	ME0027	Date Analyzed:	01/07/2007
Preparation Code:	MW1	Date Prepared:	01/07/07 00:00

CAS No.	Analyte	MDL UG/L
7429-90-5	Aluminum	37.4
7440-36-0	Antimony	3.1
7440-38-2	Arsenic	1.6
7440-39-3	Barium	0.28
7440-41-7	Beryllium	0.14
7440-43-9	Cadmium	0.12
7440-70-2	Calcium	21.9
7440-47-3	Chromium	1.4
7440-48-4	Cobalt	0.43
7440-50-8	Copper	4.9
7439-89-6	Iron	6.3
7439-92-1	Lead	1.5
7439-95-4	Magnesium	36.1
7439-96-5	Manganese	0.74
7439-97-6	Mercury	
7440-02-0	Nickel	6.3
7440-09-7	Potassium	60.6
7782-49-2	Selenium	3.9
7440-22-4	Silver	0.80
7440-23-5	Sodium	12.5
7440-28-0	Thallium	1.8
7440-62-2	Vanadium	0.51
7440-66-6	Zinc	3.8
	Cyanide	

Method Detection Limits

Lab Name:	DATACHEM LABORATORIES	Contract:	EP-W-06-054
Lab ID:	DATAC	Instrument ID:	AAS-CVG
Case No.:	36348	Method Type:	CV
SDG No.:	ME0027	Date Analyzed:	01/06/2007
Preparation Code:	CW1	Date Prepared:	01/06/07 00:00

CAS No.	Analyte	MDL UG/L
7429-90-5	Aluminum	
7440-36-0	Antimony	
7440-38-2	Arsenic	
7440-39-3	Barium	
7440-41-7	Beryllium	
7440-43-9	Cadmium	
7440-70-2	Calcium	
7440-47-3	Chromium	
7440-48-4	Cobalt	
7440-50-8	Copper	
7439-89-6	Iron	
7439-92-1	Lead	
7439-95-4	Magnesium	
7439-96-5	Manganese	
7439-97-6	Mercury	0.018
7440-02-0	Nickel	
7440-09-7	Potassium	
7782-49-2	Selenium	
7440-22-4	Silver	
7440-23-5	Sodium	
7440-28-0	Thallium	
7440-62-2	Vanadium	
7440-66-6	Zinc	
	Cyanide	

Invalid Contents Error Report

Case No.: 36348 SDG No.: ME0027 Lab ID: DATAC

File Name: U:\Apps\DAT\MFData\ASF\ME0027.asf

Line No.	Sample Number	Field Name	Reported Value	Error Type	Expected Format
1		Method Number	ILM05.4	InvalidValue	
1023		Method Number	ILM05.4	InvalidValue	

Missing Contents Error Report

Case No.: 36348 SDG No.: ME0027 Lab ID: DATAC

File Name: U:\Apps\DAT\MFData\ASF\ME0027.asf

Line No.	Sample Number	Field Name
119	S0	Lab Sample ID
166	S1500	Lab Sample ID
183	S10000	Lab Sample ID
204	S50000	Lab Sample ID
219	ICV	Lab Sample ID
266	ICB	Lab Sample ID
313	ICSAI	Lab Sample ID
360	ICSABI	Lab Sample ID
407	CCV	Lab Sample ID
454	CCB	Lab Sample ID
692	ME0027L	Lab Sample ID
789	CRIF	Lab Sample ID
836	ICSAF	Lab Sample ID
883	ICSABF	Lab Sample ID
930	CCV2	Lab Sample ID
977	CCB2	Lab Sample ID
1036	S0	First Instrument Value
1041	S0.2	First Instrument Value
1046	S0.5	First Instrument Value
1051	S1.0	First Instrument Value
1056	S5.0	First Instrument Value

Date: 5/11/2007

Wincadre 3.1.3.2

Analytical Sample Listing

Case No.: 36348

Protocol: INORG

Lab ID: DATAC

SDG No.: ME0027

File Name: ME0027

Sample Number	Sample Type	Matrix	Level	Sampling Date	Date Received	Preparation Code	Preparation Date	Preparation Time	Analysis Date	Analysis Time	Analysis Method	Analysis Instrument
LCSW	Laboratory Control Sample	Water	Low			MW1	05/03/07	16:00	05/07/07	14:58	P	ICP07
ME0027	Field Blank	Water	Low	04/18/07	04/28/07	MW1	05/03/07	16:00	05/07/07	15:03	P	ICP07
				04/18/07	04/28/07	CW1	05/07/07	15:58	05/08/07	10:42	CV	AAS-CVG
ME0027	Serial Dilution Original	Water	Low	04/18/07	04/28/07	MW1	05/03/07	16:00	05/07/07	15:03	P	ICP07
ME0027L	Serial Dilution	Water	Low	04/18/07	04/28/07	MW1	05/03/07	16:00	05/07/07	15:10	P	ICP07
ME0033	Field Blank	Water	Low	04/17/07	04/28/07	MW1	05/03/07	16:00	05/07/07	15:16	P	ICP07
				04/17/07	04/28/07	CW1	05/07/07	15:58	05/08/07	10:44	CV	AAS-CVG
PBW	Preparation Blank	Water	Low			MW1	05/03/07	16:00	05/07/07	14:51	P	ICP07
						CW1	05/07/07	15:58	05/08/07	10:41	CV	AAS-CVG

Analytical Sequence

Lab ID: DATAC
Case No.: 36348
SDG No.: ME0027

Protocol: INORG

Instrument: AAS-CVG
Method Type: CV
File Name: ME0027

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
MDL	Method Detection Limits	01/06/2007		Hg
LRV	Linear Range Values	05/08/2007		Hg
S0	Calibration Standard	05/08/2007	10:25	Hg
S0.2	Calibration Standard	05/08/2007	10:26	Hg
S0.5	Calibration Standard	05/08/2007	10:28	Hg
S1.0	Calibration Standard	05/08/2007	10:29	Hg
S5.0	Calibration Standard	05/08/2007	10:30	Hg
S10	Calibration Standard	05/08/2007	10:32	Hg
ICV	Initial Calibration	05/08/2007	10:34	Hg
ICB	Calibration Blank	05/08/2007	10:35	Hg
CCV	Continuing Calibration	05/08/2007	10:38	Hg
CCB	Calibration Blank	05/08/2007	10:39	Hg
PBW	Preparation Blank	05/08/2007	10:41	Hg
ME0027	Field Blank	05/08/2007	10:42	Hg
ME0033	Field Blank	05/08/2007	10:44	Hg
CRIF	CRDL/CRQL Standard (ICP)	05/08/2007	10:45	Hg
CCV2	Continuing Calibration	05/08/2007	10:47	Hg
CCB2	Calibration Blank	05/08/2007	10:48	Hg

Date: 5/11/2007

Wincadre 3.1.3.2

Analytical Sequence

Protocol: INORG

Lab ID: DATAC
Case No.: 36348
SDG No.: ME0027

Instrument: ICP07
Method Type: P
File Name: ME0027

Sample Number	Analysis Type	Analysis Date	Analysis Time	Analytes
MDL	Method Detection Limits	01/07/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
MDL	Method Detection Limits	01/12/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
LRV	Linear Range Values	04/17/2007		Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
S0	Calibration Standard	05/07/2007	13:45	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
S1500	Calibration Standard	05/07/2007	13:51	As Be Cd Pb Se Ag Tl
S10000	Calibration Standard	05/07/2007	13:57	Sb Ba Cr Co Cu Mn Ni V Zn
S50000	Calibration Standard	05/07/2007	14:03	Al Ca Fe Mg K Na
ICV	Initial Calibration	05/07/2007	14:09	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICB	Calibration Blank	05/07/2007	14:15	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAI	Interference Check Solution	05/07/2007	14:27	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABI	Interference Check Solution	05/07/2007	14:33	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV	Continuing Calibration	05/07/2007	14:39	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB	Calibration Blank	05/07/2007	14:45	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
PBW	Preparation Blank	05/07/2007	14:51	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
LCSW	Laboratory Control Sample	05/07/2007	14:58	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0027	Field Blank	05/07/2007	15:03	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0027	Serial Dilution Original	05/07/2007	15:03	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0027L	Serial Dilution	05/07/2007	15:10	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ME0033	Field Blank	05/07/2007	15:16	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CRIF	CRDL/CRQL Standard (ICP)	05/07/2007	15:22	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSAF	Interference Check Solution	05/07/2007	15:28	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
ICSABF	Interference Check Solution	05/07/2007	15:34	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCV2	Continuing Calibration	05/07/2007	15:40	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn
CCB2	Calibration Blank	05/07/2007	15:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

Analytical Results (Qualified Data)

Case #: 36348 SDG : ME0027
Site : MATTHIESSEN AND HEGELER ZINC COMPANY Number of Soil Samples : 0
Lab. : DATAC Number of Water Samples : 2
Reviewer :
Date :

Sample Number :	ME0027		ME0033							
Sampling Location :	MHS-081-RIN		MHS-101-RINSE BLANK							
Matrix :	Water		Water							
Units :	ug/L		ug/L							
Date Sampled :	4/18/2007		4/17/2007							
Time Sampled :										
%Solids :	0.0		0.0							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	222	U	222	U						
ANTIMONY	66.7	U	66.7	U						
ARSENIC	11.1	U	11.1	U						
BARIUM	222	U	222	U						
BERYLLIUM	5.6	U	5.6	U						
CADMIUM	5.6	U	5.6	U						
CALCIUM	45.4	UJ	62.6	UJ						
CHROMIUM	11.1	U	11.1	U						
COBALT	55.6	U	55.6	U						
COPPER	27.8	U	27.8	U						
IRON	111	U	111	U						
LEAD	11.1	U	1.5	U						
MAGNESIUM	5560	U	5560	U						
MANGANESE	16.7	U	16.7	U						
MERCURY	0.20	U	0.20	U						
NICKEL	44.4	U	44.4	U						
POTASSIUM	5560	U	5560	U						
SELENIUM	38.9	U	38.9	U						
SILVER	11.1	U	11.1	U						
SODIUM	108	UJ	141	UJ						
THALLIUM	27.8	U	27.8	U						
VANADIUM	55.6	U	55.6	U						
ZINC	66.7	U	66.7	U						

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ME0027 CERCLIS No: IL0000064782

Case No: 363748 Site Name/Location: MATTHIESSEN/HEGELER ZINC (IL)

Contractor or EPA Lab: Data Chem Data User: Weston

No. of Samples: 2 Date Sampled or Date Received: 5/11/07

Have Chain-of-Custody records been received? Yes X No ____

Have traffic reports or packing lists been received? Yes X No ____

If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?

Yes ____ No ____

If no, which traffic report or packing list numbers are missing?

____ ____ ____ ____

____ ____ ____ ____

Are basic data forms in? Yes X No ____

No of samples claimed: ____ No. of samples received: ____

Received by: Pdaus Johnson Date: 5/11/07

Received by LSSS: Pdaus Johnson Date: 5/17/07

Review started: ____ Reviewer Signature: ____

Total time spent on review: ____ Date review completed: ____

Copied by: ____ Date: ____

Mailed to user by: Pdaus Johnson Date: 31 May 07

DATA USER:

Please fill in the blanks below and return this form to:

Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

____

____

Received by Data Mgmt. Coordinator for Files. Date: ____