UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

September 18, 2012

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

Raymond Flores

FROM: Raymond Flores, Alternate ESAT Regional Project Officer
Environmental Services Branch (6MD-HL)

TO: Brenda Cook, Superfund Project Manager (6SF-TR)
Gary Moore, On-Scene Coordinator (6SF-PR)

Site: **DELTA SHIPYARD**

Case#: **42764**

SDG#: **MF6AC0**

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

9522649

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: September 18, 2012

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Linda Hoffman, Data Reviewer, ESAT

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	030
Task/Sub-Task:	2-12
ESAT Doc. No.:	B030-212-0085
TDF No.:	6-12-493B
ESAT File No.:	I-0574

Attached is the data review summary for Case # 42764
SDG # MF6AC0
Site Delta Shipyard

COMMENTS:

I. LEVEL OF DATA REVIEW

Modified CADRE Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS found a few contractually noncompliant items that did not affect technical usability of the results.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

Some results were qualified for technical problems. The significant problems are addressed below.

A. The antimony and arsenic matrix spike recoveries were outside the QC limits.

B. The barium serial dilution difference exceeded the expanded QC limit for soils.

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INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	42764	SITE	Delta Shipyard
LABORATORY	CHEM	NO. OF SAMPLES	20
CONTRACT#	EP-W-09-038	MATRIX	1 Water/19 Soil
SDG#	MF6AC0	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Linda Hoffman
SF#	303DD2GC	COMPLETION DATE	September 18, 2012

SAMPLE NO.					
	MF6AC0	MF6AD1	MF6AD5	MF6AD9	MF6AE5
	MF6AC8	MF6AD2	MF6AD6	MF6AE0	MF6AF2
	MF6AC9	MF6AD3	MF6AD7	MF6AE1	MF6AF3
	MF6AD0	MF6AD4	MF6AD8	MF6AE2	MF6AF5

DATA ASSESSMENT SUMMARY

	ICP	HG
1. HOLDING TIMES	O	O
2. CALIBRATIONS	O	O
3. BLANKS	O	O
4. MATRIX SPIKES	M	O
5. DUPLICATE ANALYSIS	M	O
6. ICP QC	M	
7. LCS	O	
8. SAMPLE VERIFICATION	O	O
9. OTHER QC	N/A	N/A
10. OVERALL ASSESSMENT	M	O

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN: The antimony matrix spike recovery was below the QC limit, and the arsenic matrix spike recovery was above the QC limit. The manganese laboratory duplicate difference exceeded the expanded QC limit for soils. The barium, calcium, iron, magnesium, manganese, and zinc serial dilution differences exceeded the expanded QC limit for soils.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 42764 **SDG** MF6AC0 **SITE** Delta Shipyard **LAB** CHEM

COMMENTS: This SDG consisted of 1 water and 19 soil samples for total metals (by ICP-AES) and mercury analyses following CLP SOW ISM01.3. The sampler designated soil sample MF6AC0 for laboratory QC analyses and water sample MF6AE5 as a rinsate.

The SOW requires that the soil sample results be adjusted for moisture content and dilution, which raised the adjusted QLs above the CRQLs specified in the SOW. The adjusted CRQLs were reported by the laboratory and are referred to as SQLs in this report.

The analytes of concern with the CRQLs, which are in parentheses, as the desired detection limits were arsenic (1 mg/kg) and barium (20 mg/kg). All soil samples contained both analytes of concern at concentrations over the desired detection limits. The laboratory diluted (up to 20X) and reanalyzed all soil samples except samples MF6AD1, MF6AD2, MF6AD7, and MF6AE2 because of high concentrations of barium, calcium, and/or iron.

Modified CADRE review was performed for this package as requested by the Region. For this review option, the CCS and CADRE primarily determine the laboratory contractual compliance and the technical usability of the sample results, respectively. The reviewer performs supplemental hardcopy forms checking and applies Region 6 guidelines, where necessary, to account for known limitations of the electronic review process. Therefore, the reviewer's final assessments may deviate from those found in the CADRE report. The CADRE narrative for the SDG is attached to this report as an addendum for additional information.

DATA ASSESSMENT: The QC problems affecting data usability are addressed below.

- Because of laboratory blank readings, the aluminum result <CRQL for sample MF6AE5 should be considered undetected and was flagged "U" at the CRQL on the DST.

- Rinsate sample MF6AE5 contained calcium and mercury at concentrations below the CRQLs. The reviewer was unable to assess the effect of equipment contamination because information associating the samples with the rinsate was unavailable.

- The reviewer qualified the antimony soil sample results as estimated and biased low because the antimony pre-digestion matrix spike recovery was below the 75% QC limit and the post-digestion matrix spike analysis indicated a low bias effect.

- The reviewer qualified the arsenic soil sample results as estimated because the arsenic pre-digestion matrix spike recovery was above the QC limit. The post-digestion matrix spike analysis did not indicate a bias effect.

INORGANIC QA REVIEW
CONTINUATION PAGE

CASE 42764 **SDG** MF6AC0 **SITE** Delta Shipyard **LAB** CHEM

- The reviewer qualified the manganese soil sample results as estimated because the manganese laboratory duplicate difference exceeded the expanded QC limit for soils.

- The reviewer qualified the soil sample results for barium, calcium, iron, magnesium, manganese, and zinc as estimated because the serial dilution differences for these analytes exceeded the expanded QC limit for soils.

OVERALL ASSESSMENT: Some results were qualified for all soil samples because of problems with matrix spike recoveries, a laboratory duplicate difference, and serial dilution differences. ESAT's final data qualifiers in the DST indicate the technical usability of all reported sample results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist.

The laboratory response to the CCS was received and placed at the beginning of the data package. The received pages should be added to the CSF package as additional information. The laboratory was also contacted by the Region for a reporting issue (see Resubmission Request). The laboratory responded to the Regional request, performed the necessary reanalysis, and submitted the required forms and raw data. The resubmitted pages 2251 - 2385, which the reviewer paginated, were placed at the beginning of the data package and should be added to the end of the CSF package. The DST included in this report is the final version.

INORGANIC ACRONYMS

CADRE	Computer-Aided Data Review and Evaluation
CCB	Continuing Calibration Blank
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CN	Cyanide
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DST	Data Summary Table
HG	Mercury
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
IS	Internal Standard
LCS	Laboratory Control Sample
MDL	Method Detection Limit
NFG	National Functional Guidelines
PE	Performance Evaluation
%D	Percent Difference
%R	Percent Recovery
%RI	Percent Relative Intensity
%RSD	Percent Relative Standard Deviation
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RPD	Relative Percent Difference
RSCC	Regional Sample Control Center
SDG	Sample Delivery Group
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
TAL	Target Analyte List

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
QCCOD: Sample QC Code
SMPQUAL: Sample Qualifier
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Inorganic Data Validation Qualifier (see Inorganic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
PRPDATE: Sample Preparation Date
LRDATE: Laboratory Receipt Date
LEVEL: Sample Level
PERSOLD: Sample Percent Solids
SMPWTVL: Sample Weight (Soil Samples)/Initial Sample Volume (Water Samples)
FINLVOL: Final Sample Volume
METHOD: Method of Analysis
STATLOC: Station Location

Disclaimer: **ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.**

INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.

R Result is unusable.

F A possibility of a false negative exists.

UC Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.

+ High biased. Actual concentration may be lower than the concentration reported.

- Low biased. Actual concentration may be higher than the concentration reported.

W The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7429905	Aluminum	200	U	ug/L	200	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440360	Antimony	60.0	U	ug/L	60.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440382	Arsenic	10.0	U	ug/L	10.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440393	Barium	200	U	ug/L	200	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440417	Beryllium	5.0	U	ug/L	5.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440439	Cadmium	5.0	U	ug/L	5.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440702	Calcium	50.6	LJ	ug/L	5000	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440473	Chromium	10.0	U	ug/L	10.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440484	Cobalt	50.0	U	ug/L	50.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440508	Copper	25.0	U	ug/L	25.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7439896	Iron	100	U	ug/L	100	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7439921	Lead	10.0	U	ug/L	10.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7439954	Magnesium	5000	U	ug/L	5000	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7439965	Manganese	15.0	U	ug/L	15.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/16/2012	16:57:00	7439976	Mercury	0.015	LJ	ug/L	0.20	08/07/2012	08/15/2012	08/09/2012	Low	0.0	100	100	CV	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440020	Nickel	40.0	U	ug/L	40.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440097	Potassium	5000	U	ug/L	5000	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7782492	Selenium	35.0	U	ug/L	35.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440224	Silver	10.0	U	ug/L	10.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440235	Sodium	5000	U	ug/L	5000	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440280	Thallium	25.0	U	ug/L	25.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440622	Vanadium	50.0	U	ug/L	50.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AE5	D3749-19	W	Field_Blank	08/14/2012	13:29:50	7440666	Zinc	60.0	U	ug/L	60.0	08/07/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-06-96-435
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7429905	Aluminum	22900		mg/kg	21.7	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440360	Antimony	2.5	LJ-	mg/kg	6.5	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440382	Arsenic	8.1	J	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440393	Barium	426	J	mg/kg	21.7	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440417	Beryllium	1.1		mg/kg	0.54	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440439	Cadmium	1.0		mg/kg	0.54	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440702	Calcium	13000	J	mg/kg	542	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440473	Chromium	22.3		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440484	Cobalt	22.4		mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440508	Copper	16.0		mg/kg	2.7	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/18/2012	15:10:44	7439896	Iron	80800	J	mg/kg	54.2	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7439921	Lead	41.7		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7439954	Magnesium	7090	J	mg/kg	542	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7439965	Manganese	2430	J	mg/kg	1.6	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/17/2012	10:25:00	7439976	Mercury	0.038	LJ	mg/kg	0.16	08/07/2012	08/15/2012	08/09/2012	Low	63.2	.5	100	CV	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440020	Nickel	37.7		mg/kg	4.3	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440097	Potassium	3140		mg/kg	542	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7782492	Selenium	3.3	LJ	mg/kg	3.8	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440224	Silver	0.79	LJ	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440235	Sodium	1400		mg/kg	542	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440280	Thallium	0.57	LJ	mg/kg	2.7	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440622	Vanadium	48.8		mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC0	D3749-01	S	Field_Sample	08/14/2012	18:29:34	7440666	Zinc	95.5	J	mg/kg	6.5	08/07/2012	08/13/2012	08/09/2012	Low	63.2	1.46	100	P	DSE-13-72-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7429905	Aluminum	15200		mg/kg	21.9	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440360	Antimony	3.5	LJ-	mg/kg	6.6	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440382	Arsenic	24.3	J	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/18/2012	15:27:51	7440393	Barium	10600	J	mg/kg	219	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440417	Beryllium	0.90		mg/kg	0.55	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440439	Cadmium	1.1		mg/kg	0.55	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440702	Calcium	19600	J	mg/kg	549	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440473	Chromium	37.9		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440484	Cobalt	12.3		mg/kg	5.5	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440508	Copper	49.4		mg/kg	2.7	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7439896	Iron	24900	J	mg/kg	11.0	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7439921	Lead	109		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7439954	Magnesium	5580	J	mg/kg	549	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7439965	Manganese	594	J	mg/kg	1.6	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/17/2012	10:38:00	7439976	Mercury	0.21		mg/kg	0.13	08/07/2012	08/15/2012	08/09/2012	Low	67.0	.57	100	CV	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440020	Nickel	34.4		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440097	Potassium	2430		mg/kg	549	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7782492	Selenium	1.5	LJ	mg/kg	3.8	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440224	Silver	0.46	LJ	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440235	Sodium	698		mg/kg	549	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440280	Thallium	2.7	U	mg/kg	2.7	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440622	Vanadium	33.9		mg/kg	5.5	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515
42764	MF6AC0	MF6AC8	D3749-04	S	Field_Sample	08/14/2012	18:51:45	7440666	Zinc	375	J	mg/kg	6.6	08/07/2012	08/13/2012	08/09/2012	Low	67.0	1.36	100	P	DSE-16-12-515

42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7429905	Aluminum	14300		mg/kg	20.1	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440360	Antimony	7.0	J-	mg/kg	6.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440382	Arsenic	36.1	J	mg/kg	1.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/18/2012	15:32:18	7440393	Barium	13700	J	mg/kg	402	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440417	Beryllium	0.75		mg/kg	0.50	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440439	Cadmium	1.0		mg/kg	0.50	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440702	Calcium	7180	J	mg/kg	503	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440473	Chromium	29.4		mg/kg	1.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440484	Cobalt	11.1		mg/kg	5.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440508	Copper	46.1		mg/kg	2.5	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7439896	Iron	19600	J	mg/kg	10.1	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7439921	Lead	189		mg/kg	1.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7439954	Magnesium	5550	J	mg/kg	503	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7439965	Manganese	295	J	mg/kg	1.5	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/17/2012	10:40:00	7439976	Mercury	0.23		mg/kg	0.13	08/07/2012	08/15/2012	08/09/2012	Low	71.5	.54	100	CV	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440020	Nickel	33.4		mg/kg	4.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440097	Potassium	2250		mg/kg	503	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7782492	Selenium	1.6	LJ	mg/kg	3.5	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440224	Silver	0.74	LJ	mg/kg	1.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440235	Sodium	600		mg/kg	503	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440280	Thallium	2.5	U	mg/kg	2.5	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440622	Vanadium	32.0		mg/kg	5.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AC9	D3749-05	S	Field_Sample	08/14/2012	18:59:17	7440666	Zinc	226	J	mg/kg	6.0	08/07/2012	08/13/2012	08/09/2012	Low	71.5	1.39	100	P	DSE-16-24-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7429905	Aluminum	15500		mg/kg	24.3	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440360	Antimony	6.6	LJ-	mg/kg	7.3	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440382	Arsenic	27.6	J	mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/18/2012	15:36:43	7440393	Barium	9530	J	mg/kg	243	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440417	Beryllium	1.1		mg/kg	0.61	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440439	Cadmium	0.73		mg/kg	0.61	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440702	Calcium	7610	J	mg/kg	607	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440473	Chromium	23.6		mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440484	Cobalt	12.4		mg/kg	6.1	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440508	Copper	36.0		mg/kg	3.0	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7439896	Iron	23400	J	mg/kg	12.1	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7439921	Lead	162		mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7439954	Magnesium	5790	J	mg/kg	607	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7439965	Manganese	343	J	mg/kg	1.8	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/17/2012	10:42:00	7439976	Mercury	0.19		mg/kg	0.17	08/07/2012	08/15/2012	08/09/2012	Low	58.8	.5	100	CV	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440020	Nickel	32.9		mg/kg	4.9	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440097	Potassium	2510		mg/kg	607	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7782492	Selenium	1.6	LJ	mg/kg	4.3	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440224	Silver	0.51	LJ	mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440235	Sodium	730		mg/kg	607	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440280	Thallium	3.0	U	mg/kg	3.0	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440622	Vanadium	35.3		mg/kg	6.1	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD0	D3749-06	S	Field_Sample	08/14/2012	19:06:46	7440666	Zinc	158	J	mg/kg	7.3	08/07/2012	08/13/2012	08/09/2012	Low	58.8	1.4	100	P	DSE-16-48-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7429905	Aluminum	20900		mg/kg	27.0	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440360	Antimony	1.6	LJ-	mg/kg	8.1	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440382	Arsenic	9.5	J	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440393	Barium	2520	J	mg/kg	27.0	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440417	Beryllium	1.3		mg/kg	0.67	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440439	Cadmium	0.22	LJ	mg/kg	0.67	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440702	Calcium	9480	J	mg/kg	675	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440473	Chromium	21.5		mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440484	Cobalt	11.7		mg/kg	6.7	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440508	Copper	27.5		mg/kg	3.4	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7439896	Iron	25100	J	mg/kg	13.5	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7439921	Lead	40.5		mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7439954	Magnesium	7300	J	mg/kg	675	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7439965	Manganese	377	J	mg/kg	2.0	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/17/2012	10:44:00	7439976	Mercury	0.068	LJ	mg/kg	0.17	08/07/2012	08/15/2012	08/09/2012	Low	52.2	.57	100	CV	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440020	Nickel	31.2		mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440097	Potassium	3340		mg/kg	675	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7782492	Selenium	2.6	LJ	mg/kg	4.7	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440224	Silver	0.22	LJ	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440235	Sodium	1450		mg/kg	675	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440280	Thallium	3.4	U	mg/kg	3.4	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440622	Vanadium	46.2		mg/kg	6.7	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515
42764	MF6AC0	MF6AD1	D3749-07	S	Field_Sample	08/14/2012	19:27:06	7440666	Zinc	134	J	mg/kg	8.1	08/07/2012	08/13/2012	08/09/2012	Low	52.2	1.42	100	P	DSE-16-72-515

42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7429905	Aluminum	20900		mg/kg	17.8	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440360	Antimony	1.3	LJ-	mg/kg	5.3	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440382	Arsenic	7.5	J	mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440393	Barium	306	J	mg/kg	17.8	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440417	Beryllium	1.2		mg/kg	0.44	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440439	Cadmium	0.26	LJ	mg/kg	0.44	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440702	Calcium	9150	J	mg/kg	444	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440473	Chromium	19.4		mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440484	Cobalt	10.2		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440508	Copper	30.4		mg/kg	2.2	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7439896	Iron	20200	J	mg/kg	8.9	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7439921	Lead	26.8		mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7439954	Magnesium	7520	J	mg/kg	444	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7439965	Manganese	215	J	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/17/2012	10:46:00	7439976	Mercury	0.035	LJ	mg/kg	0.26	08/07/2012	08/15/2012	08/09/2012	Low	35.4	.55	100	CV	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440020	Nickel	37.7		mg/kg	3.6	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440097	Potassium	3080		mg/kg	444	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7782492	Selenium	2.3	LJ	mg/kg	3.1	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440224	Silver	0.16	LJ	mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440235	Sodium	3310		mg/kg	444	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440280	Thallium	2.2	U	mg/kg	2.2	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440622	Vanadium	50.3		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD2	D3749-08	S	Field_Sample	08/14/2012	19:33:21	7440666	Zinc	83.6	J	mg/kg	5.3	08/07/2012	08/13/2012	08/09/2012	Low	35.4	3.18	100	P	DSE-16-96-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7429905	Aluminum	10600		mg/kg	17.6	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440360	Antimony	6.6	J-	mg/kg	5.3	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440382	Arsenic	24.5	J	mg/kg	0.88	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/18/2012	15:41:11	7440393	Barium	12200	J	mg/kg	352	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440417	Beryllium	0.83		mg/kg	0.44	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440439	Cadmium	3.5		mg/kg	0.44	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440702	Calcium	17700	J	mg/kg	439	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440473	Chromium	143		mg/kg	0.88	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440484	Cobalt	11.5		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440508	Copper	71.9		mg/kg	2.2	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7439896	Iron	25400	J	mg/kg	8.8	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7439921	Lead	518		mg/kg	0.88	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7439954	Magnesium	3810	J	mg/kg	439	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7439965	Manganese	565	J	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/17/2012	10:48:00	7439976	Mercury	0.84		mg/kg	0.11	08/07/2012	08/15/2012	08/09/2012	Low	77.4	.59	100	CV	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440020	Nickel	32.7		mg/kg	3.5	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440097	Potassium	1680		mg/kg	439	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7782492	Selenium	1.3	LJ	mg/kg	3.1	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440224	Silver	2.0		mg/kg	0.88	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440235	Sodium	516		mg/kg	439	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440280	Thallium	2.2	U	mg/kg	2.2	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440622	Vanadium	26.2		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD3	D3749-09	S	Field_Sample	08/14/2012	19:39:47	7440666	Zinc	686	J	mg/kg	5.3	08/07/2012	08/13/2012	08/09/2012	Low	77.4	1.47	100	P	DSE-06-12-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7429905	Aluminum	12600		mg/kg	18.1	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440360	Antimony	3.3	LJ-	mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440382	Arsenic	16.4	J	mg/kg	0.91	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/18/2012	15:45:39	7440393	Barium	10100	J	mg/kg	362	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440417	Beryllium	0.68		mg/kg	0.45	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440439	Cadmium	1.6		mg/kg	0.45	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440702	Calcium	21600	J	mg/kg	453	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440473	Chromium	35.0		mg/kg	0.91	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440484	Cobalt	8.9		mg/kg	4.5	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440508	Copper	159		mg/kg	2.3	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7439896	Iron	22600	J	mg/kg	9.1	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7439921	Lead	258		mg/kg	0.91	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7439954	Magnesium	4490	J	mg/kg	453	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7439965	Manganese	446	J	mg/kg	1.4	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/17/2012	10:50:00	7439976	Mercury	0.19		mg/kg	0.12	08/07/2012	08/15/2012	08/09/2012	Low	78.9	.54	100	CV	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440020	Nickel	28.7		mg/kg	3.6	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440097	Potassium	2000		mg/kg	453	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7782492	Selenium	1.4	LJ	mg/kg	3.2	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440224	Silver	0.93		mg/kg	0.91	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440235	Sodium	951		mg/kg	453	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440280	Thallium	2.3	U	mg/kg	2.3	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440622	Vanadium	29.0		mg/kg	4.5	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515
42764	MF6AC0	MF6AD4	D3749-10	S	Field_Sample	08/14/2012	19:46:22	7440666	Zinc	405	J	mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	78.9	1.4	100	P	DSE-06-24-515

42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7429905	Aluminum	7920		mg/kg	18.0	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440360	Antimony	4.2	LJ-	mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440382	Arsenic	20.9	J	mg/kg	0.90	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/18/2012	15:50:08	7440393	Barium	8660	J	mg/kg	180	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440417	Beryllium	0.54		mg/kg	0.45	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440439	Cadmium	1.6		mg/kg	0.45	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/18/2012	15:50:08	7440702	Calcium	88800	J	mg/kg	4510	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440473	Chromium	39.9		mg/kg	0.90	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440484	Cobalt	7.6		mg/kg	4.5	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440508	Copper	76.8		mg/kg	2.3	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7439896	Iron	18400	J	mg/kg	9.0	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7439921	Lead	231		mg/kg	0.90	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7439954	Magnesium	3030	J	mg/kg	451	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7439965	Manganese	840	J	mg/kg	1.4	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/17/2012	10:52:00	7439976	Mercury	0.29		mg/kg	0.11	08/07/2012	08/15/2012	08/09/2012	Low	82.1	.57	100	CV	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440020	Nickel	22.3		mg/kg	3.6	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440097	Potassium	1440		mg/kg	451	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7782492	Selenium	0.66	LJ	mg/kg	3.2	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440224	Silver	0.82	LJ	mg/kg	0.90	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440235	Sodium	1500		mg/kg	451	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440280	Thallium	2.3	U	mg/kg	2.3	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440622	Vanadium	18.9		mg/kg	4.5	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD5	D3749-11	S	Field_Sample	08/14/2012	19:53:07	7440666	Zinc	421	J	mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	82.1	1.35	100	P	DSE-06-48-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7429905	Aluminum	12200		mg/kg	21.8	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440360	Antimony	4.1	LJ-	mg/kg	6.5	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440382	Arsenic	20.1	J	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/18/2012	16:03:18	7440393	Barium	11000	J	mg/kg	218	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440417	Beryllium	0.83		mg/kg	0.54	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440439	Cadmium	1.9		mg/kg	0.54	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440702	Calcium	13900	J	mg/kg	545	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440473	Chromium	65.3		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440484	Cobalt	10.9		mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440508	Copper	115		mg/kg	2.7	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7439896	Iron	25200	J	mg/kg	10.9	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7439921	Lead	280		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7439954	Magnesium	4270	J	mg/kg	545	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7439965	Manganese	521	J	mg/kg	1.6	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/17/2012	10:54:00	7439976	Mercury	0.38		mg/kg	0.14	08/07/2012	08/15/2012	08/09/2012	Low	62.0	.57	100	CV	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440020	Nickel	31.5		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440097	Potassium	2000		mg/kg	545	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7782492	Selenium	2.0	LJ	mg/kg	3.8	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440224	Silver	1.0	LJ	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440235	Sodium	1570		mg/kg	545	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440280	Thallium	2.7	U	mg/kg	2.7	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440622	Vanadium	29.6		mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD6	D3749-12	S	Field_Sample	08/14/2012	19:59:39	7440666	Zinc	511	J	mg/kg	6.5	08/07/2012	08/13/2012	08/09/2012	Low	62.0	1.48	100	P	DSE-06-72-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7429905	Aluminum	22200		mg/kg	23.7	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440360	Antimony	1.5	LJ-	mg/kg	7.1	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440382	Arsenic	5.9	J	mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440393	Barium	428	J	mg/kg	23.7	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440417	Beryllium	1.2		mg/kg	0.59	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440439	Cadmium	0.23	LJ	mg/kg	0.59	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440702	Calcium	6440	J	mg/kg	592	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440473	Chromium	19.9		mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440484	Cobalt	11.5		mg/kg	5.9	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440508	Copper	24.1		mg/kg	3.0	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7439896	Iron	24400	J	mg/kg	11.8	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7439921	Lead	27.3		mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7439954	Magnesium	6460	J	mg/kg	592	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7439965	Manganese	232	J	mg/kg	1.8	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/17/2012	10:56:00	7439976	Mercury	0.049	LJ	mg/kg	0.17	08/07/2012	08/15/2012	08/09/2012	Low	58.2	.52	100	CV	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440020	Nickel	31.1		mg/kg	4.7	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440097	Potassium	3070		mg/kg	592	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7782492	Selenium	2.6	LJ	mg/kg	4.1	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440224	Silver	1.2	U	mg/kg	1.2	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440235	Sodium	2560		mg/kg	592	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440280	Thallium	3.0	U	mg/kg	3.0	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440622	Vanadium	46.8		mg/kg	5.9	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515
42764	MF6AC0	MF6AD7	D3749-13	S	Field_Sample	08/14/2012	20:06:18	7440666	Zinc	82.5	J	mg/kg	7.1	08/07/2012	08/13/2012	08/09/2012	Low	58.2	1.45	100	P	DSE-06-96-515

42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7429905	Aluminum	13200		mg/kg	17.8	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440360	Antimony	3.1	LJ-	mg/kg	5.3	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440382	Arsenic	14.5	J	mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/18/2012	16:07:43	7440393	Barium	12600	J	mg/kg	356	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440417	Beryllium	0.72		mg/kg	0.44	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440439	Cadmium	1.1		mg/kg	0.44	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440702	Calcium	8530	J	mg/kg	445	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440473	Chromium	50.3		mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440484	Cobalt	9.7		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440508	Copper	48.8		mg/kg	2.2	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7439896	Iron	23800	J	mg/kg	8.9	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7439921	Lead	153		mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7439954	Magnesium	4250	J	mg/kg	445	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7439965	Manganese	346	J	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/17/2012	10:57:00	7439976	Mercury	0.23		mg/kg	0.12	08/07/2012	08/15/2012	08/09/2012	Low	77.0	.52	100	CV	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440020	Nickel	29.8		mg/kg	3.6	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440097	Potassium	2150		mg/kg	445	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7782492	Selenium	1.6	LJ	mg/kg	3.1	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440224	Silver	0.69	LJ	mg/kg	0.89	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440235	Sodium	573		mg/kg	445	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440280	Thallium	2.2	U	mg/kg	2.2	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440622	Vanadium	31.2		mg/kg	4.4	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD8	D3749-14	S	Field_Sample	08/14/2012	20:12:35	7440666	Zinc	291	J	mg/kg	5.3	08/07/2012	08/13/2012	08/09/2012	Low	77.0	1.46	100	P	DSE-08-12-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7429905	Aluminum	13400		mg/kg	18.4	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440360	Antimony	2.6	LJ-	mg/kg	5.5	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440382	Arsenic	19.3	J	mg/kg	0.92	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/18/2012	16:12:13	7440393	Barium	8980	J	mg/kg	184	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440417	Beryllium	0.80		mg/kg	0.46	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440439	Cadmium	0.68		mg/kg	0.46	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440702	Calcium	5660	J	mg/kg	460	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440473	Chromium	29.7		mg/kg	0.92	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440484	Cobalt	15.9		mg/kg	4.6	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440508	Copper	32.6		mg/kg	2.3	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7439896	Iron	21000	J	mg/kg	9.2	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7439921	Lead	162		mg/kg	0.92	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7439954	Magnesium	4320	J	mg/kg	460	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7439965	Manganese	341	J	mg/kg	1.4	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/17/2012	10:59:00	7439976	Mercury	0.12	LJ	mg/kg	0.12	08/07/2012	08/15/2012	08/09/2012	Low	78.8	.53	100	CV	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440020	Nickel	30.7		mg/kg	3.7	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440097	Potassium	1980		mg/kg	460	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7782492	Selenium	1.7	LJ	mg/kg	3.2	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440224	Silver	0.68	LJ	mg/kg	0.92	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440235	Sodium	690		mg/kg	460	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440280	Thallium	2.3	U	mg/kg	2.3	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440622	Vanadium	30.5		mg/kg	4.6	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AD9	D3749-15	S	Field_Sample	08/14/2012	20:19:03	7440666	Zinc	166	J	mg/kg	5.5	08/07/2012	08/13/2012	08/09/2012	Low	78.8	1.38	100	P	DSE-08-24-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7429905	Aluminum	18100		mg/kg	22.6	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440360	Antimony	2.3	LJ-	mg/kg	6.8	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440382	Arsenic	9.6	J	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/18/2012	16:16:48	7440393	Barium	11600	J	mg/kg	226	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440417	Beryllium	0.94		mg/kg	0.57	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440439	Cadmium	0.16	LJ	mg/kg	0.57	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440702	Calcium	6400	J	mg/kg	566	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440473	Chromium	50.9		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440484	Cobalt	7.8		mg/kg	5.7	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440508	Copper	31.6		mg/kg	2.8	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7439896	Iron	25200	J	mg/kg	11.3	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7439921	Lead	86.1		mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7439954	Magnesium	4570	J	mg/kg	566	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7439965	Manganese	125	J	mg/kg	1.7	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/17/2012	11:01:00	7439976	Mercury	0.13	LJ	mg/kg	0.15	08/07/2012	08/15/2012	08/09/2012	Low	62.7	.52	100	CV	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440020	Nickel	25.9		mg/kg	4.5	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440097	Potassium	2680		mg/kg	566	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7782492	Selenium	2.0	LJ	mg/kg	4.0	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440224	Silver	0.34	LJ	mg/kg	1.1	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440235	Sodium	1110		mg/kg	566	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440280	Thallium	2.8	U	mg/kg	2.8	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440622	Vanadium	41.9		mg/kg	5.7	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515
42764	MF6AC0	MF6AE0	D3749-16	S	Field_Sample	08/14/2012	20:25:27	7440666	Zinc	91.9	J	mg/kg	6.8	08/07/2012	08/13/2012	08/09/2012	Low	62.7	1.41	100	P	DSE-08-48-515

42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7429905	Aluminum	17200		mg/kg	26.8	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440360	Antimony	2.7	LJ-	mg/kg	8.1	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440382	Arsenic	14.8	J	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/18/2012	16:21:17	7440393	Barium	7030	J	mg/kg	134	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440417	Beryllium	1.0		mg/kg	0.67	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440439	Cadmium	0.55	LJ	mg/kg	0.67	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440702	Calcium	7770	J	mg/kg	671	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440473	Chromium	28.8		mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440484	Cobalt	10.4		mg/kg	6.7	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440508	Copper	33.2		mg/kg	3.4	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7439896	Iron	27800	J	mg/kg	13.4	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7439921	Lead	88.9		mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7439954	Magnesium	5260	J	mg/kg	671	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7439965	Manganese	282	J	mg/kg	2.0	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/17/2012	11:03:00	7439976	Mercury	0.10	LJ	mg/kg	0.17	08/07/2012	08/15/2012	08/09/2012	Low	55.2	.52	100	CV	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440020	Nickel	33.8		mg/kg	5.4	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440097	Potassium	2640		mg/kg	671	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7782492	Selenium	2.2	LJ	mg/kg	4.7	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440224	Silver	0.39	LJ	mg/kg	1.3	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440235	Sodium	1490		mg/kg	671	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440280	Thallium	3.4	U	mg/kg	3.4	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440622	Vanadium	40.9		mg/kg	6.7	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE1	D3749-17	S	Field_Sample	08/14/2012	20:31:54	7440666	Zinc	200	J	mg/kg	8.1	08/07/2012	08/13/2012	08/09/2012	Low	55.2	1.35	100	P	DSE-08-72-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7429905	Aluminum	23800		mg/kg	19.0	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440360	Antimony	1.4	LJ-	mg/kg	5.7	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440382	Arsenic	9.6	J	mg/kg	0.95	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440393	Barium	326	J	mg/kg	19.0	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440417	Beryllium	1.4		mg/kg	0.47	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440439	Cadmium	0.37	LJ	mg/kg	0.47	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440702	Calcium	6910	J	mg/kg	475	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440473	Chromium	26.3		mg/kg	0.95	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440484	Cobalt	9.2		mg/kg	4.7	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440508	Copper	28.8		mg/kg	2.4	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7439896	Iron	21000	J	mg/kg	9.5	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7439921	Lead	30.7		mg/kg	0.95	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7439954	Magnesium	6770	J	mg/kg	475	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7439965	Manganese	218	J	mg/kg	1.4	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/17/2012	11:05:00	7439976	Mercury	0.042	LJ	mg/kg	0.18	08/07/2012	08/15/2012	08/09/2012	Low	49.2	.56	100	CV	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440020	Nickel	36.9		mg/kg	3.8	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440097	Potassium	3560		mg/kg	475	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7782492	Selenium	1.8	LJ	mg/kg	3.3	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440224	Silver	0.95	U	mg/kg	0.95	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440235	Sodium	2270		mg/kg	475	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440280	Thallium	2.4	U	mg/kg	2.4	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440622	Vanadium	43.9		mg/kg	4.7	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AE2	D3749-18	S	Field_Sample	08/14/2012	20:38:20	7440666	Zinc	108	J	mg/kg	5.7	08/07/2012	08/13/2012	08/09/2012	Low	49.2	2.14	100	P	DSE-08-96-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7429905	Aluminum	17100		mg/kg	17.8	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440360	Antimony	3.6	LJ-	mg/kg	5.3	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440382	Arsenic	31.7	J	mg/kg	0.89	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/18/2012	16:25:49	7440393	Barium	7660	J	mg/kg	178	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440417	Beryllium	0.93		mg/kg	0.45	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440439	Cadmium	0.69		mg/kg	0.45	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440702	Calcium	10200	J	mg/kg	445	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440473	Chromium	23.6		mg/kg	0.89	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440484	Cobalt	12.6		mg/kg	4.5	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440508	Copper	28.1		mg/kg	2.2	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7439896	Iron	23600	J	mg/kg	8.9	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7439921	Lead	78.4		mg/kg	0.89	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7439954	Magnesium	5540	J	mg/kg	445	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7439965	Manganese	340	J	mg/kg	1.3	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/17/2012	11:07:00	7439976	Mercury	0.17		mg/kg	0.12	08/08/2012	08/15/2012	08/09/2012	Low	76.4	.55	100	CV	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440020	Nickel	33.4		mg/kg	3.6	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440097	Potassium	2910		mg/kg	445	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7782492	Selenium	1.3	LJ	mg/kg	3.1	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440224	Silver	0.20	LJ	mg/kg	0.89	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440235	Sodium	318	LJ	mg/kg	445	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440280	Thallium	2.2	U	mg/kg	2.2	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440622	Vanadium	37.0		mg/kg	4.5	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515
42764	MF6ACO	MF6AF2	D3749-20	S	Field_Sample	08/14/2012	20:57:00	7440666	Zinc	153	J	mg/kg	5.3	08/08/2012	08/13/2012	08/09/2012	Low	76.4	1.47	100	P	DSE-20-12-515

42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7429905	Aluminum	18100		mg/kg	20.2	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440360	Antimony	1.7	LJ-	mg/kg	6.1	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440382	Arsenic	10.3	J	mg/kg	1.0	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/18/2012	16:30:23	7440393	Barium	3830	J	mg/kg	101	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440417	Beryllium	1.6		mg/kg	0.51	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440439	Cadmium	0.43	LJ	mg/kg	0.51	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440702	Calcium	5060	J	mg/kg	505	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440473	Chromium	21.7		mg/kg	1.0	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440484	Cobalt	14.7		mg/kg	5.1	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440508	Copper	23.2		mg/kg	2.5	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7439896	Iron	27200	J	mg/kg	10.1	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7439921	Lead	54.3		mg/kg	1.0	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7439954	Magnesium	6030	J	mg/kg	505	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7439965	Manganese	367	J	mg/kg	1.5	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/17/2012	11:09:00	7439976	Mercury	0.13		mg/kg	0.13	08/08/2012	08/15/2012	08/09/2012	Low	67.3	.58	100	CV	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440020	Nickel	38.0		mg/kg	4.0	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440097	Potassium	2700		mg/kg	505	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7782492	Selenium	2.1	LJ	mg/kg	3.5	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440224	Silver	0.18	LJ	mg/kg	1.0	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440235	Sodium	437	LJ	mg/kg	505	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440280	Thallium	2.5	U	mg/kg	2.5	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440622	Vanadium	41.4		mg/kg	5.1	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF3	D3749-21	S	Field_Sample	08/14/2012	21:03:20	7440666	Zinc	113	J	mg/kg	6.1	08/08/2012	08/13/2012	08/09/2012	Low	67.3	1.47	100	P	DSE-20-24-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7429905	Aluminum	20300		mg/kg	16.1	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440360	Antimony	2.0	LJ-	mg/kg	4.8	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440382	Arsenic	16.9	J	mg/kg	0.81	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/18/2012	16:34:56	7440393	Barium	2190	J	mg/kg	161	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440417	Beryllium	1.4		mg/kg	0.40	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440439	Cadmium	0.89		mg/kg	0.40	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440702	Calcium	10500	J	mg/kg	403	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440473	Chromium	22.6		mg/kg	0.81	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440484	Cobalt	22.2		mg/kg	4.0	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440508	Copper	32.0		mg/kg	2.0	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/18/2012	16:34:56	7439896	Iron	39400	J	mg/kg	80.6	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7439921	Lead	46.7		mg/kg	0.81	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7439954	Magnesium	6760	J	mg/kg	403	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7439965	Manganese	322	J	mg/kg	1.2	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/17/2012	11:11:00	7439976	Mercury	0.024	LJ	mg/kg	0.27	08/08/2012	08/15/2012	08/09/2012	Low	36.5	.51	100	CV	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440020	Nickel	63.8		mg/kg	3.2	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440097	Potassium	3310		mg/kg	403	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7782492	Selenium	2.4	LJ	mg/kg	2.8	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440224	Silver	0.20	LJ	mg/kg	0.81	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440235	Sodium	851		mg/kg	403	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440280	Thallium	2.0	U	mg/kg	2.0	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440622	Vanadium	48.6		mg/kg	4.0	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515
42764	MF6AC0	MF6AF5	D3749-22	S	Field_Sample	08/14/2012	21:09:41	7440666	Zinc	118	J	mg/kg	4.8	08/08/2012	08/13/2012	08/09/2012	Low	36.5	3.4	100	P	DSE-20-72-515

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 42764 SDG No. MF6AC0 SDG Nos. To Follow Mod. Ref. No. Date Rec 08/30/12

EPA Lab ID: CHEM

Lab location: Mountainside, NJ

Region: 6 Audit No.: 42764/MF6AC0

Resubmitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

Item Description

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?	X		
8. Accurate?	X		
TRAFFIC REPORT/CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
AIRBILLS/AIRBILL STICKER			
11. Present?	X		
12. Signed?	X		
13. Dated?	X		
SAMPLE TAGS			
14. Does DC-1 list tags as being included?	X		
15. Present?	X		
OTHER DOCUMENTS			
16. Complete?	X		
17. Legible?	X		
18. Original?	X		
18a. If "NO", does the copy indicate where original documents are located?			X

Audited Linda Hoffman/ESAT Data Reviewer Date 09/06/12

Audited Date

Signature Printed Name/Title

DC-2__

In Reference To Case No(s):
42764 SDG: MF6AC0 (I-0574)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Resubmission Request

Laboratory Name:	CHEM
Lab Contact:	Divya Mehta
Region:	6
Regional Contact:	Raymond Flores - EPA
ESAT Reviewer:	Linda Hoffman - ESAT

In reference to data for the following fractions:

ICP-AES

Summary of Questions/Issues:

In the diluted reanalysis of sample MF6AC9, barium was diluted to a concentration below the CRQL. According to the SOW (ISM01.3, p. D-6/Introduction, sec. 1.91), analyte concentrations that exceed the calibrated range are not to be diluted below the CRQL. Furthermore, concentrations of other analytes with high concentrations in the undiluted sample are significantly different from those in the corresponding 20X diluted analysis. Please verify that the correct sample was used when making the dilution for this sample and submit a contractually compliant barium result.

NOTE: Any submitted laboratory resubmission should be clearly marked as "Additional Data" with a cover letter included describing what data is being delivered, which Case the data pertains, and who requested the data (ISM01.3, p. B-8, sec. 2.2.1). Custody seals are required only for regular mail shipments.

Please respond to the above item **within 6 business days (ISM01.3, p. B-8, sec. 2.2)** by e-mail to Flores.Raymond@epa.gov. If you have any questions, please contact Mr. Flores at 281-983-2139.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy

USEPA CLP Inorganics COC (REGION COPY)
DateShipped: 8/7/2012
CarrierName: FedEx
AirbillNo: 793875486827

CHAIN OF CUSTODY RECORD
Delta_Shipyard/LA
Case #: 42764
Cooler #: 3

No: 6-080712-121207-0014
Lab: ChemTech Consulting Group
Lab Contact: Snehal Mehta
Lab Phone: 908-789-8900

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF6AB7	Soil/ START	Grab	TM + Hg	6-463152 (Ice) (1)	DSE-13-12-515	08/07/2012 08:45	F6AB7	Field Sample
MF6AB8	Soil/ START	Grab	TM + Hg	6-463159 (Ice) (1)	DSE-13-24-515	08/07/2012 08:45	F6AB8	Field Sample
MF6AB9	Soil/ START	Grab	TM + Hg	6-463166 (Ice) (1)	DSE-13-48-515	08/07/2012 08:45	F6AB9	Field Sample
MF6AC0	Soil/ START	Grab	TM + Hg	6-463173 (Ice) (1)	DSE-13-72-515	08/07/2012 09:00	F6AC0	Field Sample
MF6AC1	Soil/ START	Grab	TM + Hg	6-463180 (Ice) (1)	DSE-13-96-515	08/07/2012 09:00	F6AC1	Field Sample
MF6AC8	Soil/ START	Grab	TM + Hg	6-463187 (Ice) (1)	DSE-16-12-515	08/07/2012 09:45	F6AC8	Field Sample
MF6AC9	Soil/ START	Grab	TM + Hg	6-463194 (Ice) (1)	DSE-16-24-515	08/07/2012 09:45	F6AC9	Field Sample
MF6AD0	Soil/ START	Grab	TM + Hg	6-463201 (Ice) (1)	DSE-16-48-515	08/07/2012 09:45	F6AD0	Field Sample
MF6AD1	Soil/ START	Grab	TM + Hg	6-463208 (Ice) (1)	DSE-16-72-515	08/07/2012 10:05	F6AD1	Field Sample
MF6AD2	Soil/ START	Grab	TM + Hg	6-463215 (Ice) (1)	DSE-16-96-515	08/07/2012 10:05	F6AD2	Field Sample
MF6AD3	Soil/ START	Grab	TM + Hg	6-463230 (Ice) (1)	DSE-06-12-515	08/07/2012 10:40	F6AD3	Field Sample
MF6AD4	Soil/ START	Grab	TM + Hg	6-463237 (Ice) (1)	DSE-06-24-515	08/07/2012 10:40	F6AD4	Field Sample

Sample(s) to be used for Lab QC: MF6AC0

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TM + Hg=Total Metals + Hg

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
FedEx	[signature]	8/7/12									

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USEPA CLP Inorganics COC (REGION COPY)
DateShipped: 8/7/2012
CarrierName: FedEx
AirbillNo: 793875483655

CHAIN OF CUSTODY RECORD
Delta_Shipyard/LA
Case #: 42764
Cooler #: 4

No: 6-080712-133159-0017
Lab: ChemTech Consulting Group
Lab Contact: Snehal Mehta
Lab Phone: 908-789-8900

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF6AD5	Soil/ START	Grab	TM + Hg	6-463244 (Ice) (1)	DSE-06-48-515	08/07/2012 10:40	F6AD5	Field Sample
MF6AD6	Soil/ START	Grab	TM + Hg	6-463251 (Ice) (1)	DSE-06-72-515	08/07/2012 11:05	F6AD6	Field Sample
MF6AD7	Soil/ START	Grab	TM + Hg	6-463258 (Ice) (1)	DSE-06-96-515	08/07/2012 11:05	F6AD7	Field Sample
MF6AD8	Soil/ START	Grab	TM + Hg	6-463264 (Ice) (1)	DSE-08-12-515	08/07/2012 11:28	F6AD8	Field Sample
MF6AD9	Soil/ START	Grab	TM + Hg	6-463271 (Ice) (1)	DSE-08-24-515	08/07/2012 11:28	F6AD9	Field Sample
MF6AE0	Soil/ START	Grab	TM + Hg	6-463278 (Ice) (1)	DSE-08-48-515	08/07/2012 11:28	F6AE0	Field Sample
MF6AE1	Soil/ START	Grab	TM + Hg	6-463285 (Ice) (1)	DSE-08-72-515	08/07/2012 11:50	F6AE1	Field Sample
MF6AE2	Soil/ START	Grab	TM + Hg	6-463292 (Ice) (1)	DSE-08-96-515	08/07/2012 11:50	F6AE2	Field Sample
MF6AE5	Water/	Grab	TM + Hg	6-463307 (HNO3 pH<2) (1)	DSE-06-96-435	08/07/2012 14:30	F6AE5	Rinsate Blank

Special Instructions: Field QC: MF6AE5

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TM + Hg=Total Metals + Hg

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
FedEx	[illegible]	8/7/12									

Page 1 of 1

USEPA CLP Inorganics COC (REGION COPY)
DateShipped: 8/8/2012
CarrierName: FedEx
AirbillNo: 793879870044

CHAIN OF CUSTODY RECORD
Delta_Shipyard/LA
Case #: 42764
Cooler #: 1

No: 6-080812-125833-0024
Lab: ChemTech Consulting Group
Lab Contact: Snehal Mehta
Lab Phone: 908-789-8900

Inorganic Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	Organic Sample #	Sample Type
MF6AF2	Soil/ START	Grab	TM + Hg	6-463352 (Ice) (1)	DSE-20-12-515	08/08/2012 08:30	F6AF2	Field Sample
MF6AF3	Soil/ START	Grab	TM + Hg	6-463359 (Ice) (1)	DSE-20-24-515	08/08/2012 08:30	F6AF3	Field Sample
MF6AF4	Soil/ START	Grab	TM + Hg	6-463368 (Ice) (1)	DSE-20-48-515	08/08/2012 08:30	F6AF4	Field Sample
MF6AF5	Soil/ START	Grab	TM + Hg	6-463375 (Ice) (1)	DSE-20-72-515	08/08/2012 08:56	F6AF5	Field Sample
MF6AF6	Soil/ START	Grab	TM + Hg	6-463382 (Ice) (1)	DSE-20-96-515	08/08/2012 08:56	F6AF6	Field Sample
MF6AF7	Soil/ START	Grab	TM + Hg	6-463389 (Ice) (1)	DSE-20-96-525	08/08/2012 08:56	F6AF7	Field Duplicate
MF6AG2	Soil/ START	Grab	TM + Hg	6-463416 (Ice) (1)	DSE-05-12-515	08/08/2012 09:40	F6AG2	Field Sample
MF6AG3	Soil/ START	Grab	TM + Hg	6-463423 (Ice) (1)	DSE-05-24-515	08/08/2012 09:40	F6AG3	Field Sample

Sample(s) to be used for Lab QC: MF6AF4

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TM + Hg=Total Metals + Hg

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples to FedEx	[illegible]	8/8/12									

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ADDENDUM

CADRE NARRATIVE

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AC0 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158613 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	Hg
ND15	The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF6AC0, MF6AC0D, MF6AC0S, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Mercury MF6AC0 , MF6AC0D , MF6AC0S , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5
Blanks	**Hg**
ND16	The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF6AC0, MF6AC0D, MF6AC0S, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Mercury MF6AC0 , MF6AC0D , MF6AC0S , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AC0 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158613 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
NCB06	The following samples have no detected analytes. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	PBW01, MF6AE5, PBS01
	Vanadium PBW01 , MF6AE5 , PBS01
	Sodium PBW01 , MF6AE5 , PBS01
	Chromium PBW01 , MF6AE5 , PBS01
	Barium PBW01 , MF6AE5 , PBS01
	Beryllium MF6AE5 , PBS01
	Zinc PBW01 , MF6AE5 , PBS01
	Copper PBW01 , MF6AE5 , PBS01
	Magnesium PBW01 , MF6AE5 , PBS01
	Manganese PBW01 , MF6AE5
	Iron PBW01 , MF6AE5
Blanks	**ICP_AES**
ND03	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated to CRQLs.
	PBS01
	Iron PBS01
Blanks	**ICP_AES**
ND04	The following samples have analyte results greater than or equal to MDLs but less than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Detected analytes are qualified U. Nondetected analytes are not qualified. Sample results are elevated at CRQLs.
	MF6AC0, MF6AC0D, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5, MF6AC0L, MF6AE5, PBW01, PBS01
	Selenium MF6AC0 , MF6AC0D , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Calcium MF6AE5
	Beryllium MF6AC0L
	Aluminum PBW01 , MF6AE5
	Potassium PBW01 , PBS01
	Iron PBS01
Blanks	**ICP_AES**

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AC0 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158613 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
ND05	The following samples have analyte results greater than CRQLs. The associated ICB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF6AC0, MF6AC0D, MF6AC0S, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5, MF6AC0L
	Arsenic LCS , MF6AC0 , MF6AC0D , MF6AC0S , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Iron LCS , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3
Blanks	**ICP_AES**
ND06	The following samples have analyte results greater than CRQLs. The associated CCB analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualified detected and nondetected analytes.
	LCS, MF6AC0, MF6AC0D, MF6AC0S, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5, MF6AC0L
	Beryllium LCS , MF6AC0 , MF6AC0D , MF6AC0S , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Aluminum LCS , MF6AC0 , MF6AC0D , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Potassium LCS , MF6AC0 , MF6AC0D , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Copper LCS , MF6AC0 , MF6AC0D , MF6AC0S , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Iron LCS , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3
Blanks	**ICP_AES**
ND15	The following samples have analyte results greater than or equal to MDLs. The associated ICB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	MF6AC0A, MF6AC0, MF6AC0D, MF6AC0S, MF6AF5, MF6AC0L
	Antimony MF6AC0A
	Iron MF6AC0 , MF6AC0D , MF6AC0S , MF6AF5 , MF6AC0L
Blanks	**ICP_AES**
ND16	The following samples have analyte results greater than or equal to MDLs. The associated CCB analyte results are less than or equal to -MDLs but greater than or equal to -CRQLs. Use professional judgment to qualify detected and nondetected analytes.
	LCS, MF6AC0, MF6AC0D, MF6AC0S, MF6AD1, MF6AD2, MF6AD7, MF6AE2, MF6AC0L
	Barium LCS , MF6AC0 , MF6AC0D , MF6AC0S , MF6AD1 , MF6AD2 , MF6AD7 , MF6AE2 , MF6AC0L
Blanks	**ICP_AES**
NE05	The following samples have analyte results greater than CRQLs. The associated preparation blank analyte results are greater than or equal to MDLs but less than or equal to CRQLs. Use professional judgment to qualify detected and nondetected analytes.

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AC0 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158613 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
	LCS, MF6AC0, MF6AC0D, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5, MF6AC0L, MF6AC0S
	Aluminum LCS
	Potassium LCS , MF6AC0 , MF6AC0D , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Iron LCS , MF6AC0 , MF6AC0D , MF6AC0S , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AC0 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158613 **SOW** ISM01.3

Data Review Reports

Detection Limit

Detection Limit	Hg
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF6AE5, MF6AC0, MF6AC0D, MF6AD1, MF6AD2, MF6AD7, MF6AE0, MF6AE1, MF6AE2, MF6AF5
	Mercury MF6AE5 , MF6AC0 , MF6AC0D , MF6AD1 , MF6AD2 , MF6AD7 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF5

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AC0 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 158613 **SOW** ISM01.3

Data Review Reports

Detection Limit

Detection Limit	ICP_AES
NDL1	The following samples have results greater than or equal to MDLs but less than CRQLs. Detected analytes are qualified J.
	MF6AE5, PBW01, PBS01, MF6AF2, MF6AF3, MF6AC0L, MF6AC0, MF6AC0D, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF5
	Calcium MF6AE5
	Potassium PBW01 , PBS01
	Sodium MF6AF2 , MF6AF3 , MF6AC0L
	Selenium MF6AC0 , MF6AC0D , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD3 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Barium MF6AC9
	Cobalt MF6AC0L
	Aluminum PBW01 , MF6AE5
	Beryllium MF6AC0L
	Antimony MF6AC0 , MF6AC0D , MF6AC8 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD4 , MF6AD5 , MF6AD6 , MF6AD7 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L
	Thallium MF6AC0
	Cadmium MF6AD1 , MF6AD2 , MF6AD7 , MF6AE0 , MF6AE1 , MF6AE2 , MF6AF3 , MF6AC0L
	Iron PBS01
	Silver MF6AC0 , MF6AC0D , MF6AC8 , MF6AC9 , MF6AD0 , MF6AD1 , MF6AD2 , MF6AD5 , MF6AD6 , MF6AD8 , MF6AD9 , MF6AE0 , MF6AE1 , MF6AF2 , MF6AF3 , MF6AF5 , MF6AC0L

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Data Review Reports

Duplicates

Duplicates	ICP_AES
NI03	The following Duplicate and original sample results are greater than 5xCRQL and RPD is greater than 20. The original sample results are greater than or equal to MDLs. Detected analytes are qualified J. Nondetected analytes are qualified UJ.
	MF6AC0, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Calcium MF6AC0D
	Copper MF6AC0D
	Iron MF6AC0D
	Manganese MF6AC0D

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Data Review Reports

Matrix Spikes

Matrix Spikes	ICP_AES
NG053	The following ICP-AES samples are not qualified due to missing the required Post-digestion spike added in the Spike sample analysis.
	MF6AC0, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Iron MF6AC0S
Matrix Spikes	**ICP_AES**
NG10	The following Matrix Spike samples have percent recoveries in the range of 30-74% and post-digestion spike samples have percent recoveries less than 75%. Detected analytes with results greater than or equal to MDLs are qualified J-. Nondetected analytes are qualified UJ.
	MF6AC0, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Antimony MF6AC0S
Matrix Spikes	**ICP_AES**
NG14	The following Matrix Spike samples have percent recoveries greater than 125% and post-digestion spike samples have percent recoveries less than or equal to 125%. Detected analytes with results greater than or equal to MDLs are qualified J. Nondetected analytes are not qualified.
	MF6AC0, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Arsenic MF6AC0S

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Data Review Reports

Serial Dilution

Serial Dilution	ICP_AES
NL031	The following ICP-AES Serial Dilution (SD) samples have percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. The detected anlaytes in samples with results greater than or equal to MDLs are qualified J. Nondetected analytes in samples are qualified UJ.
	MF6AC0, MF6AC8, MF6AC9, MF6AD0, MF6AD1, MF6AD2, MF6AD3, MF6AD4, MF6AD5, MF6AD6, MF6AD7, MF6AD8, MF6AD9, MF6AE0, MF6AE1, MF6AE2, MF6AF2, MF6AF3, MF6AF5
	Vanadium MF6AC0L
	Calcium MF6AC0L
	Barium MF6AC0L
	Zinc MF6AC0L
	Aluminum MF6AC0L
	Magnesium MF6AC0L
	Iron MF6AC0L
	Manganese MF6AC0L
	Lead MF6AC0L