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

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#: **MF6AF4**

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.

9522632

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: Sonya Meekins, Data Reviewer, ESAT

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

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	030
Task/Sub-Task:	2-12
ESAT Doc. No.:	B030-212-0088
TDF No.:	6-12-502B
ESAT File No.:	I-0576

Attached is the data review summary for Case # 42764
SDG # MF6AF4
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, and the significant problem is addressed below.

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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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10625 FALLSTONE ROAD
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INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	42764	SITE	Delta Shipyard
LABORATORY	CHEM	NO. OF SAMPLES	15
CONTRACT#	EP-W-09-038	MATRIX	1 Water/14 Soil
SDG#	MF6AF4	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Sonya Meekins
SF#	303DD2GC	COMPLETION DATE	September 18, 2012

SAMPLE NO.					
	MF6AC2	MF6AF6	MF6AG4	MF6AG9	
	MF6AC3	MF6AF7	MF6AG5	MF6AN3	
	MF6AC4	MF6AG2	MF6AG6	MF6AN4	
	MF6AF4	MF6AG3	MF6AG7		

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	O	O
6. ICP QC	O	
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. The cadmium, cobalt, and nickel matrix spike recoveries were above the QC limit.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 42764 **SDG** MF6AF4 **SITE** Delta Shipyard **LAB** CHEM

COMMENTS: This SDG consisted of 1 water and 14 soil samples for total metals (by ICP-AES) and mercury analyses following CLP SOW ISM01.3. The sampler designated soil sample MF6AF4 for laboratory QC analyses and water sample MF6AG9 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 25X) and reanalyzed all soil samples except samples MF6AF6 and MF6AF7 because of high concentrations of barium and/or iron. Samples MF6AC3 and MF6AC4 had very low %solids (27% and 20.2%, respectively).

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 cadmium results <SQLs for samples MF6AF4, MF6AF6, and MF6AF7 and the aluminum result <CRQL for sample MF6AG9 should be considered undetected and were flagged "U" at the SQLs/CRQL on the DST.

- Rinsate sample MF6AG9 contained arsenic, beryllium, 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.

INORGANIC QA REVIEW
CONTINUATION PAGE

CASE 42764 **SDG** MF6AF4 **SITE** Delta Shipyard **LAB** CHEM

- The reviewer qualified the detected cadmium results as estimated and biased high because the cadmium pre-digestion matrix spike recovery was above the 125% QC limit and the post-digestion matrix spike analysis indicated a high bias effect.

- The reviewer qualified the detected cobalt and nickel results as estimated because the associated pre-digestion matrix spike recoveries were above the 125% QC limit and the post-digestion matrix spike analyses did not indicate a bias effect.

- The reviewer "W"-flagged all the results for samples MF6AC3 and MF6AC4 because of extremely low %solids (27% and 20.2%, respectively).

OVERALL ASSESSMENT: Some results were qualified for all soil samples because of problems with matrix spike recoveries. 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 DST included in this report is the final version.

The laboratory responded to the CCS, performed the necessary reanalysis, and submitted the required forms and raw data. These pages were placed at the beginning of the data package. Resubmitted pages 16, 17, 101, and 116 should be used to replace the corresponding pages in the CSF package and the remaining pages should be added to the CSF package in the appropriate places.

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	VALDQAI	UNITS	ADJCI	SMPDATE	PRPDATE	LRDATE	LEVEI	PERS	SMPW	FINVC	METH	STATLOC
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7429905	Aluminum	200	U	ug/L	200	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440360	Antimony	60.0	U	ug/L	60.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440382	Arsenic	1.7	LJ	ug/L	10.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440393	Barium	200	U	ug/L	200	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440417	Beryllium	0.63	LJ	ug/L	5.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440439	Cadmium	5.0	U	ug/L	5.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440702	Calcium	5000	U	ug/L	5000	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440473	Chromium	10.0	U	ug/L	10.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440484	Cobalt	50.0	U	ug/L	50.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440508	Copper	25.0	U	ug/L	25.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7439896	Iron	100	U	ug/L	100	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7439921	Lead	10.0	U	ug/L	10.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7439954	Magnesium	5000	U	ug/L	5000	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7439965	Manganese	15.0	U	ug/L	15.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/16/2012	16:58:00	7439976	Mercury	0.024	LJ	ug/L	0.20	08/06/2012	08/15/2012	08/09/2012	Low	0.0	100	100	CV	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440020	Nickel	40.0	U	ug/L	40.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440097	Potassium	5000	U	ug/L	5000	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7782492	Selenium	35.0	U	ug/L	35.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440224	Silver	10.0	U	ug/L	10.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440235	Sodium	5000	U	ug/L	5000	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440280	Thallium	25.0	U	ug/L	25.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440622	Vanadium	50.0	U	ug/L	50.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AG9	D3750-12	W	Field_Blank	08/14/2012	13:36:20	7440666	Zinc	60.0	U	ug/L	60.0	08/06/2012	08/10/2012	08/09/2012	Low	0.0	50	50	P	DSE-20-96-435
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7429905	Aluminum	7580		mg/kg	20.7	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440360	Antimony	2.0	LJ-	mg/kg	6.2	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440382	Arsenic	12.9		mg/kg	1.0	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:48:55	7440393	Barium	8520		mg/kg	104	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440417	Beryllium	0.69		mg/kg	0.52	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440439	Cadmium	1.7	J+	mg/kg	0.52	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440702	Calcium	21600		mg/kg	518	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440473	Chromium	31.5		mg/kg	1.0	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440484	Cobalt	5.8	J	mg/kg	5.2	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440508	Copper	41.7		mg/kg	2.6	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7439896	Iron	17600		mg/kg	10.4	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7439921	Lead	135		mg/kg	1.0	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7439954	Magnesium	3690		mg/kg	518	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7439965	Manganese	704		mg/kg	1.6	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/17/2012	10:14:00	7439976	Mercury	0.28		mg/kg	0.13	08/10/2012	08/15/2012	08/11/2012	Low	67.0	.58	100	CV	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440020	Nickel	24.2	J	mg/kg	4.1	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440097	Potassium	1630		mg/kg	518	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7782492	Selenium	2.1	LJ	mg/kg	3.6	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440224	Silver	0.62	LJ	mg/kg	1.0	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440235	Sodium	241	LJ	mg/kg	518	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440280	Thallium	2.6	U	mg/kg	2.6	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440622	Vanadium	20.3		mg/kg	5.2	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC2	D3750-13	S	Field_Sample	08/21/2012	04:44:22	7440666	Zinc	364		mg/kg	6.2	08/10/2012	08/15/2012	08/11/2012	Low	67.0	1.44	100	P	DSW-02-01-513
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7429905	Aluminum	9020	W	mg/kg	17.3	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440360	Antimony	2.0	WLJ-	mg/kg	5.2	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440382	Arsenic	8.1	W	mg/kg	0.86	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	05:02:16	7440393	Barium	7440	W	mg/kg	86.3	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440417	Beryllium	0.79	W	mg/kg	0.43	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440439	Cadmium	1.1	WJ+	mg/kg	0.43	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440702	Calcium	9660	W	mg/kg	432	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440473	Chromium	40.9	W	mg/kg	0.86	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440484	Cobalt	5.4	WJ	mg/kg	4.3	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440508	Copper	67.3	W	mg/kg	2.2	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	05:02:16	7439896	Iron	34000	W	mg/kg	43.2	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7439921	Lead	68.5	W	mg/kg	0.86	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7439954	Magnesium	3950	W	mg/kg	432	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7439965	Manganese	406	W	mg/kg	1.3	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/17/2012	10:16:00	7439976	Mercury	0.14	W	mg/kg	0.09	08/10/2012	08/15/2012	08/11/2012	Low	27.0	2.10	100	CV	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440020	Nickel	30.8	WJ	mg/kg	3.5	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514

42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440097	Potassium	1810	W	mg/kg	432	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7782492	Selenium	3.7	W	mg/kg	3.0	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440224	Silver	0.49	WLJ	mg/kg	0.86	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440235	Sodium	1110	W	mg/kg	432	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440280	Thallium	2.2	WU	mg/kg	2.2	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440622	Vanadium	20.9	W	mg/kg	4.3	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC3	D3750-14	S	Field_Sample	08/21/2012	04:57:43	7440666	Zinc	280	W	mg/kg	5.2	08/10/2012	08/15/2012	08/11/2012	Low	27.0	4.29	100	P	DSE-17-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7429905	Aluminum	11800	W	mg/kg	16.9	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440360	Antimony	2.0	WLJ-	mg/kg	5.1	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440382	Arsenic	14.0	W	mg/kg	0.84	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:24:12	7440393	Barium	7170	W	mg/kg	84.3	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440417	Beryllium	0.97	W	mg/kg	0.42	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440439	Cadmium	1.3	WJ+	mg/kg	0.42	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440702	Calcium	8270	W	mg/kg	422	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440473	Chromium	47.5	W	mg/kg	0.84	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440484	Cobalt	6.9	WJ	mg/kg	4.2	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440508	Copper	81.9	W	mg/kg	2.1	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:24:12	7439896	Iron	30900	W	mg/kg	42.2	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7439921	Lead	77.5	W	mg/kg	0.84	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7439954	Magnesium	4730	W	mg/kg	422	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7439965	Manganese	304	W	mg/kg	1.3	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/17/2012	10:18:00	7439976	Mercury	0.15	W	mg/kg	0.1	08/10/2012	08/15/2012	08/11/2012	Low	20.2	2.57	100	CV	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440020	Nickel	32.7	WJ	mg/kg	3.4	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440097	Potassium	1860	W	mg/kg	422	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7782492	Selenium	3.8	W	mg/kg	3.0	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440224	Silver	0.40	WLJ	mg/kg	0.84	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440235	Sodium	1470	W	mg/kg	422	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440280	Thallium	2.1	WU	mg/kg	2.1	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440622	Vanadium	31.4	W	mg/kg	4.2	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AC4	D3750-15	S	Field_Sample	08/21/2012	05:19:48	7440666	Zinc	453	W	mg/kg	5.1	08/10/2012	08/15/2012	08/11/2012	Low	20.2	5.87	100	P	DSE-18-01-514
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7429905	Aluminum	13500		mg/kg	23.1	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440360	Antimony	1.0	LJ-	mg/kg	6.9	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440382	Arsenic	8.1		mg/kg	1.2	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:58:40	7440393	Barium	3500		mg/kg	231	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440417	Beryllium	1.1		mg/kg	0.58	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440439	Cadmium	0.58	U	mg/kg	0.58	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440702	Calcium	5450		mg/kg	577	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440473	Chromium	20.1		mg/kg	1.2	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440484	Cobalt	8.0	J	mg/kg	5.8	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440508	Copper	23.9		mg/kg	2.9	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7439896	Iron	17100		mg/kg	11.5	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7439921	Lead	34.5		mg/kg	1.2	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7439954	Magnesium	4880		mg/kg	577	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7439965	Manganese	193		mg/kg	1.7	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/17/2012	09:52:00	7439976	Mercury	0.054	LJ	mg/kg	0.16	08/08/2012	08/15/2012	08/09/2012	Low	61.5	.5	100	CV	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440020	Nickel	31.8	J	mg/kg	4.6	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440097	Potassium	2020		mg/kg	577	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7782492	Selenium	2.8	LJ	mg/kg	4.0	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440224	Silver	1.2	U	mg/kg	1.2	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440235	Sodium	586		mg/kg	577	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440280	Thallium	2.9	U	mg/kg	2.9	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440622	Vanadium	33.4		mg/kg	5.8	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF4	D3750-01	S	Field_Sample	08/21/2012	02:54:18	7440666	Zinc	78.2		mg/kg	6.9	08/08/2012	08/15/2012	08/09/2012	Low	61.5	1.41	100	P	DSE-20-48-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7429905	Aluminum	14600		mg/kg	27.9	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440360	Antimony	0.65	LJ-	mg/kg	8.4	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440382	Arsenic	5.5		mg/kg	1.4	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440393	Barium	302		mg/kg	27.9	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440417	Beryllium	1.2		mg/kg	0.70	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440439	Cadmium	0.70	U	mg/kg	0.70	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440702	Calcium	6210		mg/kg	698	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440473	Chromium	19.7		mg/kg	1.4	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440484	Cobalt	10.3	J	mg/kg	7.0	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012	03:29:10	7440508	Copper	25.1		mg/kg	3.5	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515

42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7439896	Iron	20200		mg/kg	14.0	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7439921	Lead	25.1		mg/kg	1.4	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7439954	Magnesium	6120		mg/kg	698	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7439965	Manganese	230		mg/kg	2.1	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/17/2012 09:58:00	7439976	Mercury	0.036	LJ	mg/kg	0.18	08/08/2012	08/15/2012	08/09/2012	Low	52.3	.52	100	CV	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440020	Nickel	32.0	J	mg/kg	5.6	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440097	Potassium	2460		mg/kg	698	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7782492	Selenium	2.9	LJ	mg/kg	4.9	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440224	Silver	1.4	U	mg/kg	1.4	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440235	Sodium	1170		mg/kg	698	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440280	Thallium	3.5	U	mg/kg	3.5	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440622	Vanadium	36.2		mg/kg	7.0	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF6	D3750-04	S	Field_Sample	08/21/2012 03:29:10	7440666	Zinc	84.1		mg/kg	8.4	08/08/2012	08/15/2012	08/09/2012	Low	52.3	1.37	100	P	DSE-20-96-515
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7429905	Aluminum	14400		mg/kg	26.2	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440360	Antimony	0.66	LJ-	mg/kg	7.9	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440382	Arsenic	8.0		mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440393	Barium	279		mg/kg	26.2	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440417	Beryllium	1.2		mg/kg	0.66	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440439	Cadmium	0.66	U	mg/kg	0.66	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440702	Calcium	6220		mg/kg	656	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440473	Chromium	18.5		mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440484	Cobalt	14.3	J	mg/kg	6.6	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440508	Copper	25.1		mg/kg	3.3	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7439896	Iron	19200		mg/kg	13.1	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7439921	Lead	25.0		mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7439954	Magnesium	5820		mg/kg	656	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7439965	Manganese	191		mg/kg	2.0	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/17/2012 10:00:00	7439976	Mercury	0.052	LJ	mg/kg	0.18	08/08/2012	08/15/2012	08/09/2012	Low	52.2	.53	100	CV	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440020	Nickel	37.8	J	mg/kg	5.2	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440097	Potassium	2380		mg/kg	656	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7782492	Selenium	3.1	LJ	mg/kg	4.6	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440224	Silver	1.3	U	mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440235	Sodium	1180		mg/kg	656	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440280	Thallium	3.3	U	mg/kg	3.3	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440622	Vanadium	35.2		mg/kg	6.6	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AF7	D3750-05	S	Field_Sample	08/21/2012 03:33:24	7440666	Zinc	82.1		mg/kg	7.9	08/08/2012	08/15/2012	08/09/2012	Low	52.2	1.46	100	P	DSE-20-96-525
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7429905	Aluminum	7700		mg/kg	19.8	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440360	Antimony	9.1	J-	mg/kg	5.9	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440382	Arsenic	20.7		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:42:01	7440393	Barium	5430		mg/kg	99.1	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440417	Beryllium	0.69		mg/kg	0.50	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440439	Cadmium	4.2	J+	mg/kg	0.50	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440702	Calcium	12300		mg/kg	496	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440473	Chromium	431		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440484	Cobalt	6.0	J	mg/kg	5.0	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440508	Copper	66.7		mg/kg	2.5	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7439896	Iron	22300		mg/kg	9.9	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7439921	Lead	791		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7439954	Magnesium	3100		mg/kg	496	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7439965	Manganese	525		mg/kg	1.5	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/17/2012 10:02:00	7439976	Mercury	1.2		mg/kg	0.13	08/08/2012	08/15/2012	08/09/2012	Low	73.1	.53	100	CV	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440020	Nickel	25.7	J	mg/kg	4.0	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440097	Potassium	1620		mg/kg	496	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7782492	Selenium	2.6	LJ	mg/kg	3.5	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440224	Silver	3.6		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440235	Sodium	282	LJ	mg/kg	496	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440280	Thallium	2.5	U	mg/kg	2.5	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440622	Vanadium	20.3		mg/kg	5.0	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG2	D3750-06	S	Field_Sample	08/21/2012 03:37:37	7440666	Zinc	770		mg/kg	5.9	08/08/2012	08/15/2012	08/09/2012	Low	73.1	1.38	100	P	DSE-05-12-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012 03:59:42	7429905	Aluminum	5960		mg/kg	20.4	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012 03:59:42	7440360	Antimony	11.6	J-	mg/kg	6.1	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012 03:59:42	7440382	Arsenic	23.6		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012 04:04:15	7440393	Barium	8740		mg/kg	102	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515

42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440417	Beryllium	0.60		mg/kg	0.51	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440439	Cadmium	5.1	J+	mg/kg	0.51	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440702	Calcium	25400		mg/kg	510	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440473	Chromium	584		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440484	Cobalt	4.0	LJ	mg/kg	5.1	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440508	Copper	81.9		mg/kg	2.6	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7439896	Iron	19200		mg/kg	10.2	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7439921	Lead	761		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7439954	Magnesium	3210		mg/kg	510	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7439965	Manganese	569		mg/kg	1.5	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/17/2012	10:04:00	7439976	Mercury	2.0		mg/kg	0.12	08/08/2012	08/15/2012	08/09/2012	Low	69.5	.58	100	CV	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440020	Nickel	20.8	J	mg/kg	4.1	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440097	Potassium	1300		mg/kg	510	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7782492	Selenium	2.1	LJ	mg/kg	3.6	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440224	Silver	3.8		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440235	Sodium	472	LJ	mg/kg	510	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440280	Thallium	0.35	LJ	mg/kg	2.6	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440622	Vanadium	17.0		mg/kg	5.1	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG3	D3750-07	S	Field_Sample	08/21/2012	03:59:42	7440666	Zinc	875		mg/kg	6.1	08/08/2012	08/15/2012	08/09/2012	Low	69.5	1.41	100	P	DSE-05-24-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7429905	Aluminum	4850		mg/kg	19.7	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440360	Antimony	12.4	J-	mg/kg	5.9	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440382	Arsenic	35.6		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:17:39	7440393	Barium	7140		mg/kg	197	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440417	Beryllium	0.47	LJ	mg/kg	0.49	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440439	Cadmium	8.4	J+	mg/kg	0.49	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440702	Calcium	21100		mg/kg	494	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440473	Chromium	330		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440484	Cobalt	4.9	U	mg/kg	4.9	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440508	Copper	95.6		mg/kg	2.5	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7439896	Iron	19900		mg/kg	9.9	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7439921	Lead	989		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7439954	Magnesium	3350		mg/kg	494	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7439965	Manganese	851		mg/kg	1.5	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/17/2012	10:06:00	7439976	Mercury	1.8		mg/kg	0.14	08/08/2012	08/15/2012	08/09/2012	Low	68.9	.53	100	CV	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440020	Nickel	19.6	J	mg/kg	3.9	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440097	Potassium	1070		mg/kg	494	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7782492	Selenium	2.4	LJ	mg/kg	3.5	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440224	Silver	5.7		mg/kg	0.99	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440235	Sodium	2420		mg/kg	494	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440280	Thallium	1.1	LJ	mg/kg	2.5	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440622	Vanadium	15.4		mg/kg	4.9	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG4	D3750-08	S	Field_Sample	08/21/2012	04:13:01	7440666	Zinc	1290		mg/kg	5.9	08/08/2012	08/15/2012	08/09/2012	Low	68.9	1.47	100	P	DSE-05-48-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7429905	Aluminum	6410		mg/kg	21.2	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440360	Antimony	11.4	J-	mg/kg	6.4	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440382	Arsenic	30.9		mg/kg	1.1	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:26:38	7440393	Barium	7000		mg/kg	212	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440417	Beryllium	0.58		mg/kg	0.53	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440439	Cadmium	6.8	J+	mg/kg	0.53	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440702	Calcium	19600		mg/kg	531	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440473	Chromium	393		mg/kg	1.1	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440484	Cobalt	5.6	J	mg/kg	5.3	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440508	Copper	79.6		mg/kg	2.7	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7439896	Iron	21500		mg/kg	10.6	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7439921	Lead	931		mg/kg	1.1	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7439954	Magnesium	3630		mg/kg	531	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7439965	Manganese	703		mg/kg	1.6	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/17/2012	10:08:00	7439976	Mercury	1.6		mg/kg	0.13	08/08/2012	08/15/2012	08/09/2012	Low	65.0	.58	100	CV	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440020	Nickel	22.4	J	mg/kg	4.2	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440097	Potassium	1360		mg/kg	531	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7782492	Selenium	2.6	LJ	mg/kg	3.7	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440224	Silver	4.9		mg/kg	1.1	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440235	Sodium	2280		mg/kg	531	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440280	Thallium	0.52	LJ	mg/kg	2.7	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515

42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440622	Vanadium	18.1		mg/kg	5.3	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG5	D3750-09	S	Field_Sample	08/21/2012	04:22:09	7440666	Zinc	1070		mg/kg	6.4	08/08/2012	08/15/2012	08/09/2012	Low	65.0	1.45	100	P	DSE-05-72-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7429905	Aluminum	12700		mg/kg	26.6	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440360	Antimony	1.1	LJ-	mg/kg	8.0	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440382	Arsenic	9.2		mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:35:25	7440393	Barium	4330		mg/kg	266	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440417	Beryllium	1.1		mg/kg	0.66	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440439	Cadmium	0.24	LJ+	mg/kg	0.66	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440702	Calcium	7140		mg/kg	665	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440473	Chromium	24.5		mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440484	Cobalt	8.0	J	mg/kg	6.6	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440508	Copper	22.9		mg/kg	3.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7439896	Iron	18500		mg/kg	13.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7439921	Lead	52.3		mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7439954	Magnesium	5180		mg/kg	665	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7439965	Manganese	304		mg/kg	2.0	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/17/2012	10:10:00	7439976	Mercury	0.083	LJ	mg/kg	0.16	08/08/2012	08/15/2012	08/09/2012	Low	54.5	.59	100	CV	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440020	Nickel	27.0	J	mg/kg	5.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440097	Potassium	2130		mg/kg	665	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7782492	Selenium	2.6	LJ	mg/kg	4.7	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440224	Silver	0.22	LJ	mg/kg	1.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440235	Sodium	4820		mg/kg	665	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440280	Thallium	3.3	U	mg/kg	3.3	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440622	Vanadium	30.6		mg/kg	6.6	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG6	D3750-10	S	Field_Sample	08/21/2012	04:31:04	7440666	Zinc	97.1		mg/kg	8.0	08/08/2012	08/15/2012	08/09/2012	Low	54.5	1.38	100	P	DSE-05-96-515
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7429905	Aluminum	5090		mg/kg	20.1	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440360	Antimony	12.8	J-	mg/kg	6.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440382	Arsenic	37.4		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	09:54:03	7440393	Barium	7410		mg/kg	201	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440417	Beryllium	0.49	LJ	mg/kg	0.50	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440439	Cadmium	8.5	J+	mg/kg	0.50	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440702	Calcium	22300		mg/kg	503	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440473	Chromium	337		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440484	Cobalt	4.9	LJ	mg/kg	5.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440508	Copper	97.6		mg/kg	2.5	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7439896	Iron	20200		mg/kg	10.1	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7439921	Lead	1030		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7439954	Magnesium	3500		mg/kg	503	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7439965	Manganese	866		mg/kg	1.5	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/17/2012	10:12:00	7439976	Mercury	0.12	U	mg/kg	0.12	08/08/2012	08/15/2012	08/09/2012	Low	68.6	.59	100	CV	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440020	Nickel	20.4	J	mg/kg	4.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440097	Potassium	1150		mg/kg	503	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7782492	Selenium	2.4	LJ	mg/kg	3.5	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440224	Silver	5.9		mg/kg	1.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440235	Sodium	2550		mg/kg	503	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440280	Thallium	1.1	LJ	mg/kg	2.5	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440622	Vanadium	16.3		mg/kg	5.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AG7	D3750-11	S	Field_Sample	08/21/2012	04:39:45	7440666	Zinc	1300		mg/kg	6.0	08/08/2012	08/15/2012	08/09/2012	Low	68.6	1.45	100	P	DSE-05-24-525
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7429905	Aluminum	6290		mg/kg	21.8	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440360	Antimony	9.9	J-	mg/kg	6.5	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440382	Arsenic	25.4		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:41:47	7440393	Barium	13600		mg/kg	544	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440417	Beryllium	0.66		mg/kg	0.54	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440439	Cadmium	5.2	J+	mg/kg	0.54	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440702	Calcium	10600		mg/kg	544	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440473	Chromium	94.8		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440484	Cobalt	3.2	LJ	mg/kg	5.4	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440508	Copper	95.1		mg/kg	2.7	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7439896	Iron	25600		mg/kg	10.9	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7439921	Lead	429		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7439954	Magnesium	2650		mg/kg	544	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7439965	Manganese	595		mg/kg	1.6	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/17/2012	10:20:00	7439976	Mercury	0.54		mg/kg	0.13	08/10/2012	08/15/2012	08/11/2012	Low	67.6	.59	100	CV	DSW-01-01-513

42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440020	Nickel	22.9	J	mg/kg	4.4	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440097	Potassium	1120		mg/kg	544	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7782492	Selenium	3.1	LJ	mg/kg	3.8	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440224	Silver	2.2		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440235	Sodium	198	LJ	mg/kg	544	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440280	Thallium	2.7	U	mg/kg	2.7	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440622	Vanadium	18.8		mg/kg	5.4	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN3	D3750-16	S	Field_Sample	08/21/2012	05:32:59	7440666	Zinc	750		mg/kg	6.5	08/10/2012	08/15/2012	08/11/2012	Low	67.6	1.36	100	P	DSW-01-01-513
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7429905	Aluminum	6500		mg/kg	21.5	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440360	Antimony	5.1	LJ-	mg/kg	6.5	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440382	Arsenic	23.9		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:55:06	7440393	Barium	13300		mg/kg	538	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440417	Beryllium	0.62		mg/kg	0.54	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440439	Cadmium	3.7	J+	mg/kg	0.54	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440702	Calcium	10100		mg/kg	538	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440473	Chromium	86.5		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440484	Cobalt	3.0	LJ	mg/kg	5.4	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440508	Copper	85.0		mg/kg	2.7	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7439896	Iron	19400		mg/kg	10.8	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7439921	Lead	376		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7439954	Magnesium	2610		mg/kg	538	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7439965	Manganese	539		mg/kg	1.6	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/17/2012	10:21:00	7439976	Mercury	0.55		mg/kg	0.14	08/10/2012	08/15/2012	08/11/2012	Low	67.3	.55	100	CV	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440020	Nickel	22.2	J	mg/kg	4.3	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440097	Potassium	1320		mg/kg	538	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7782492	Selenium	2.6	LJ	mg/kg	3.8	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440224	Silver	1.8		mg/kg	1.1	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440235	Sodium	176	LJ	mg/kg	538	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440280	Thallium	2.7	U	mg/kg	2.7	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440622	Vanadium	19.6		mg/kg	5.4	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523
42764	MF6AF4	MF6AN4	D3750-17	S	Field_Sample	08/21/2012	05:46:17	7440666	Zinc	660		mg/kg	6.5	08/10/2012	08/15/2012	08/11/2012	Low	67.3	1.38	100	P	DSW-01-01-523

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 42764 SDG No. MF6AF4 SDG Nos. To Follow Mod. Ref. No. Date Rec 09/04/12

EPA Lab ID: CHEM

Lab location: Mountainside, NJ

Region: 6 Audit No.: 42764/MF6AF4

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 [signature] Sonya Meekins/ESAT Data Reviewer Date 09/12/12

Audited Date

Signature Printed Name/Title

DC-2

USEPA CLP Inorganics COC (REGION COPY)
DateShipped: 8/9/2012
CarrierName: FedEx
AirbillNo: 798720209642

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

No: 6-081012-095716-0068
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
MF6AC2	Soil/ START	Grab	TM + Hg(21)	6-463821 (Ice) (1)	DSW-02-01-513	08/10/2012 09:25	F6AC2	Field Sample
MF6AC3	Soil/ START	Grab	TM + Hg(21)	6-463826 (Ice) (1)	DSE-17-01-514	08/10/2012 09:25	F6AC3	Field Sample
MF6AC4	Soil/ START	Grab	TM + Hg(21)	6-463831 (Ice) (1)	DSE-18-01-514	08/10/2012 09:15	F6AC4	Field Sample
MF6AN3	Soil/ START	Grab	TM + Hg(21)	6-463807 (Ice) (1)	DSW-01-01-513	08/10/2012 09:05	F6AN3	Field Sample
MF6AN4	Soil/ START	Grab	TM + Hg(21)	6-463814 (Ice) (1)	DSW-01-01-523	08/10/2012 09:10	F6AN4	Field Duplicate

Special Instructions: 21 day turnaround

Shipment for Case Complete? Y
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	[signature]	8/10/12									

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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	[signature]	8/8/12									

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USEPA CLP Inorganics COC (REGION COPY)
DateShipped: 8/8/2012
CarrierName: FedEx
AirbillNo: 798710502093

CHAIN OF CUSTODY RECORD
Delta_Shipyard/LA
Case #: 42764
Cooler #: 2

No: 6-080812-141612-0025
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
MF6AG4	Soil/ START	Grab	TM + Hg	6-463430 (Ice) (1)	DSE-05-48-515	08/08/2012 09:40	F6AG4	Field Sample
MF6AG5	Soil/ START	Grab	TM + Hg	6-463437 (Ice) (1)	DSE-05-72-515	08/08/2012 11:00	F6AG5	Field Sample
MF6AG6	Soil/ START	Grab	TM + Hg	6-463444 (Ice) (1)	DSE-05-96-515	08/08/2012 11:00	F6AG6	Field Sample
MF6AG7	Soil/ START	Grab	TM + Hg	6-463451 (Ice) (1)	DSE-05-24-525	08/08/2012 09:40	F6AG7	Field Duplicate
MF6AG9	Water/	Grab	TM + Hg	6-463461 (HNO3 pH<2) (1)	DSE-20-96-435	08/06/2012 12:00	F6AG9	Rinsate Blank

Special Instructions:

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 for [illegible]	[illegible]	8/8/12									

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ADDENDUM

CADRE NARRATIVE

National Functional Guidelines Report #03

Lab CHEM(Chemtech Consulting Group) **SDG** MF6AF4 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 159030 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	**Hg**
NCB05	The following samples have no detected analytes. 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.
	PBS01, MF6AG7
	Mercury PBS01 , MF6AG7
Blanks	**Hg**
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.
	PBS01, MF6AG7
	Mercury PBS01 , MF6AG7
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.
	MF6AF4, MF6AF4D, MF6AF4S, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Mercury MF6AF4 , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
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.
	MF6AF4, MF6AF4D, MF6AF4S, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Mercury MF6AF4 , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4

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Lab CHEM(Chemtech Consulting Group) **SDG** MF6AF4 **Case** 42764 **Contract** EPW09038 **Region** 6 **DDTID** 159030 **SOW** ISM01.3

Data Review Reports

Blanks

Blanks	ICP_AES
NCB02	The following samples have analyte results greater than or equal to MDLs but equal to 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 reported at CRQLs.
	MF6AG4
	Cobalt MF6AG4
Blanks	**ICP_AES**
NCB05	The following samples have no detected analytes. 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.
	MF6AF4L
	Antimony MF6AF4L
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, MF6AG9, MF6AF4L
	Vanadium PBW01 , MF6AG9
	Sodium PBW01 , MF6AG9
	Chromium PBW01 , MF6AG9
	Barium PBW01 , MF6AG9
	Zinc PBW01 , MF6AG9
	Antimony MF6AF4L
	Copper PBW01 , MF6AG9
	Magnesium PBW01 , MF6AG9
	Manganese PBW01 , MF6AG9
	Iron PBW01 , MF6AG9
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.
	MF6AG9, PB65101BL
	Arsenic MF6AG9
	Barium PB65101BL
Blanks	**ICP_AES**

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Data Review Reports

Blanks

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.
	MF6AG9, MF6AF4L, MF6AF4D, MF6AG3, MF6AG7, MF6AN3, MF6AN4, PB65101BL, PBW01, MF6AF4, MF6AF6, MF6AF7, MF6AG6
	Arsenic MF6AG9
	Cobalt MF6AF4L , MF6AF4D , MF6AG3 , MF6AG7 , MF6AN3 , MF6AN4
	Barium PB65101BL
	Beryllium MF6AG9
	Aluminum PBW01 , MF6AG9 , PB65101BL
	Potassium PBW01 , MF6AF4L
	Cadmium MF6AF4 , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG6
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, MF6AF4A, MF6AF4, MF6AF4L, MF6AF4D, MF6AF4S, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Arsenic LCS
	Cobalt MF6AF4A
	Barium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Nickel LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Antimony MF6AF4A
	Cadmium MF6AF4A
	Iron LCS
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, MF6AF4, MF6AF4L, MF6AF4D, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4, MF6AF4S, MF6AF4A
	Calcium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Nickel LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4 , MF6AF4A
	Potassium LCS

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Data Review Reports

Blanks

Blanks	ICP_AES
	Copper LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Barium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Cobalt LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG5 , MF6AG6 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AF4A
	Aluminum LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Beryllium LCS
	Antimony MF6AF4A
	Cadmium LCS , MF6AF4S , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4 , MF6AF4A
	Magnesium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Iron LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Manganese LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
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.
	LCS, MF6AF4, MF6AF4D, MF6AF4S, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4, MF6AF4L
	Antimony LCS , MF6AF4 , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Potassium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
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, MF6AF4, MF6AF4L, MF6AF4D, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Sodium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Barium LCS
	Potassium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
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.
	LCS, MF6AF4, MF6AF4L, MF6AF4D, MF6AF4S, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4

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Blanks

Blanks	ICP_AES
	Barium LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF4S , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Aluminum LCS , MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN3 , MF6AN4
	Potassium LCS

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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.
	MF6AG9, MF6AF4, MF6AF4D, MF6AF6, MF6AF7, MF6AG6, MF6AC3, MF6AC4
	Mercury MF6AG9 , MF6AF4 , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG6 , MF6AC3 , MF6AC4

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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.
	MF6AF4L, MF6AF4D, MF6AG2, MF6AG3, MF6AC2, MF6AN3, MF6AN4, MF6AF4, MF6AF6, MF6AF7, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AG9, PB65101BL, PBW01, MF6AC3, MF6AC4
	Sodium MF6AF4L , MF6AF4D , MF6AG2 , MF6AG3 , MF6AC2 , MF6AN3 , MF6AN4
	Selenium MF6AF4 , MF6AF4L , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG2 , MF6AG3 , MF6AG4 , MF6AG5 , MF6AG6 , MF6AG7 , MF6AC2 , MF6AN3 , MF6AN4
	Arsenic MF6AG9
	Cobalt MF6AF4L , MF6AF4D , MF6AG3 , MF6AG7 , MF6AN3 , MF6AN4
	Barium PB65101BL
	Beryllium MF6AG9 , MF6AF4L , MF6AG4 , MF6AG7
	Aluminum PBW01 , MF6AG9 , PB65101BL
	Antimony MF6AF4 , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG6 , MF6AC2 , MF6AC3 , MF6AC4 , MF6AN4
	Potassium PBW01 , MF6AF4L
	Thallium MF6AG3 , MF6AG4 , MF6AG5 , MF6AG7
	Cadmium MF6AF4 , MF6AF4D , MF6AF6 , MF6AF7 , MF6AG6
	Silver MF6AG6 , MF6AC2 , MF6AC3 , MF6AC4

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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.
	MF6AF4, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Arsenic MF6AF4D
	Barium MF6AF4D
	Nickel MF6AF4D
	Magnesium MF6AF4D
	Manganese MF6AF4D

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Data Review Reports

Matrix Spikes

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.
	MF6AF4, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Antimony MF6AF4S
Matrix Spikes	**ICP_AES**
NG13	The following Matrix Spike samples have percent recoveries greater than 125% and post-digestion spike samples have percent recoveries greater than 125%. Detected analytes with results greater than or equal to MDLs are qualified J+. Nondetected analytes are not qualified.
	MF6AF4, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Cadmium MF6AF4S
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.
	MF6AF4, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Cobalt MF6AF4S
	Nickel MF6AF4S

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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.
	MF6AF4, MF6AF6, MF6AF7, MF6AG2, MF6AG3, MF6AG4, MF6AG5, MF6AG6, MF6AG7, MF6AC2, MF6AC3, MF6AC4, MF6AN3, MF6AN4
	Vanadium MF6AF4L
	Calcium MF6AF4L
	Zinc MF6AF4L
	Copper MF6AF4L
	Magnesium MF6AF4L
	Manganese MF6AF4L
	Iron MF6AF4L