ORIGINAL

SDMS DocID 2211869

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
ENVIRONMENTAL SCIENCE CENTER
701 MAPES ROAD
FORT MEADE, MARYLAND 20755-5350

DATE : August 3, 2006

SUBJECT: Region III Data QA Review

FROM : Khin-Cho Thaung KCT for KCT
Region III ESAT RPO (3EA20)

TO : Charles Fitzsimmons
Regional Project Manager (3HS31)

Attached is the inorganic data validation report for the Elkton Farms Firehole site (Case #: 35434, SDG#: MC20B0, MC1ER7) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2743.

Attachments

cc: Marian Murphy (TTEMI)

TO File #: 0001 TDF#: 0723

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DATE: July 20, 2006

SUBJECT: Inorganic Data Validation (IM2 Level)
Case: 35434
SDGs: MC20B0 and MC1ER7
Site: Elkton Farms Firehole

FROM: Donald M. Brown DMB
Inorganic Data Reviewer

Mahboobeh Mecanic MM
Senior Oversight Chemist

TO: Khin-Cho Thaung
ESAT Region 3 Project Officer

OVERVIEW

Case 35434, Sample Delivery Groups (SDGs) MC20B0 and MC1ER7, consisted of one (1) soil sample analyzed for total metals by Bonner Analytical Testing Company (BONNER). This sample was also submitted to BONNER for Toxicity Characteristic Leaching Procedure (TCLP) followed by TCLP metal analysis. The sample set contained no field Quality Control (QC) samples. TCLP extraction was performed according to EPA Test Methods for Evaluating Solid Waste, SW-846 Method 1311. The leachate was analyzed for TCLP metals [arsenic (As), barium (Ba), cadmium (Cd), chromium (Cr), lead (Pb), selenium (Se), and silver (Ag)] and mercury (Hg) in accordance with Contract Laboratory Program (CLP) Statement of Work (SOW) ILM05.3 (modified) through Routine Analytical Services (RAS) program.

SUMMARY

Data were validated according to Region III Modifications to the National Functional Guidelines for Inorganic Data Review, Level IM2. Areas of concern with respect to data usability are listed below.

Data in this case have been impacted by outliers present in the laboratory blanks as well as the matrix spike, laboratory duplicate and laboratory control sample analyses. Details of these outliers are discussed under "Major and Minor Problems", specific samples affected are outlined in "Table 1A" and qualified analytical results for all samples are summarized on the Data Summary Forms (DSFs).

MAJOR PROBLEM

The laboratory control sample (LCS) recovery was extremely low (<50%) for Ag in SDG MC1ER7. The quantitation limit for this analyte in sample MC1ER7 in this SDG has been rejected and qualified "R" on the DSF.

MINOR PROBLEMS

The preparation blank (PB) had a reported result greater than the Method Detection Limit (MDL) for sodium (Na) in SDG MC20B0. The positive result reported for this analyte in sample MC20B0 in this SDG which is less than five times (<5X) the blank concentration may be biased high and has been qualified "B" on the DSF.

A continuing calibration blank (CCB) had a negative result greater than the absolute value of the MDL for Hg in SDG MC1ER7. The quantitation limit for this analyte in sample MC1ER7 in this SDG may be biased low and has been qualified "UL" on the DSF.

Matrix spike recoveries were high (>125%) for As and Cd in SDG MC20B0. Positive results reported for these analytes in sample MC20B0 in this SDG may be biased high and have been qualified "K" on the DSF.

Matrix spike recoveries were low (<75% but >30%) for Se in SDG MC20B0 and As in SDG MC1ER7. Low recoveries may be attributed to matrix interferences or analyte lost during the digestion process. Quantitation limits for these analytes in affected samples in these SDGs may be biased low and have been qualified "UL" on the DSFs.

Relative Percent Differences (RPDs) in the laboratory duplicate analysis were outside control limits (35% RPD, ±2XCRQL) for antimony (Sb), Ba, copper (Cu), iron (Fe), Pb and magnesium (Mg) in SDG MC20B0. Positive results reported for these analytes in sample MC20B0 in this SDG are estimated and have been qualified "J" on the DSF.

The solid laboratory control sample (LCS) result was outside the upper control limit for Ba in SDG MC20B0. The positive result reported for this analyte in sample MC20B0 may be biased high. The "K" qualifier for this outlier in this sample has been superseded by "J" on the DSF.

NOTES

Reported results between MDLs and Contract Required Quantitation Limits (CRQLs) were qualified "J" on the DSFs unless superseded by "B".

The laboratory received one (1) sample for both the total metals and TCLP analyses. Therefore, the laboratory requested a new sample ID for the TCLP portion. SMO provided the laboratory with sample ID MC1ER7 to be used for the TCLP sample.

RPDs in the laboratory duplicate analysis were outside contractual control limits (20% RPD, ±CRQL) for aluminum (Al) and As in SDG MC20B0. However, RPDs for these analytes were within Region 3 established control limits (35% RPD, ±2XCRQL) for soil analysis. No data were qualified for these analytes in this SDG based on laboratory duplicate imprecision.

The laboratory failed to include the TCLP extraction log within the data package. Modification number 1172.0 associated with this case required the laboratory to provide log books for the TCLP extraction procedure.

The concentration of Pb in the PB is above the CRQL in SDG MC1ER7. However, the sample associated with this blank has lead concentration greater than ten times (>10X) the blank concentration. No data were qualified based on this finding.

Post-digestion spike recoveries were low (<75% but >30%) for Se in SDG MC20B0 and As in SDG MC1ER7; however, data are not qualified based on post-digestion spike recoveries.

Sample MC20B0 in SDG MC20B0 was reanalyzed at three-fold (3X) dilutions for Ba and zinc (Zn) in order to bring concentrations of these analytes within the linear range of the instrument. Results for these analytes in this sample were reported from the diluted analyses and annotated with a "+" on the DSF.

Data for Case 35434, SDGs MC20B0 and MC1ER7, were reviewed in accordance with National Functional Guidelines for Evaluating Inorganic Analyses with Modification for use within Region III.

ATTACHMENTS

INFORMATION REGARDING REPORT CONTENT

Table 1A is a summary of qualifiers applied to the laboratory-generated results during data validation.

TABLE 1A	SUMMARY OF QUALIFIERS ON DATA SUMMARY FORMS AFTER DATA VALIDATION
TABLE 1B	CODES USED IN COMMENTS COLUMN OF TABLE 1A
APPENDIX A	GLOSSARY OF DATA QUALIFIER CODES
APPENDIX B	DATA SUMMARY FORMS
APPENDIX C	CHAIN OF CUSTODY RECORDS
APPENDIX D	LABORATORY CASE NARRATIVE

DCN: 35434.MC20B0IM2.doc

TABLE 1A
SUMMARY OF QUALIFIERS ON DATA SUMMARY FORM AFTER DATA VALIDATION

Case 35434, SDG MC20B0

ANALYTE	SAMPLES AFFECTED	POSITIVE VALUES	NON-DETECTED VALUES	BIAS	COMMENTS*
Sb	MC20B0	J			DUP (122%)
As	MC20B0	K		High	MSH (143%)
Ba	MC20B0	J			DUP (52%) LCSH (182%)
Cd	MC20B0	K		High	MSH (188%)
Cu	MC20B0	J			DUP (36%)
Fe	MC20B0	J			DUP (47%)
Pb	MC20B0	J			DUP (71%)
Mg	MC20B0	J			DUP (65%)
Se	MC20B0		UL	Low	MSL (41%)
Na	MC20B0	B		High	PB (57.159 J mg/Kg)

* See explanation of comments in Table 1B

TABLE 1A
SUMMARY OF QUALIFIERS ON DATA SUMMARY FORM AFTER DATA VALIDATION

Case 35434, SDG MC1ER7

ANALYTE	SAMPLES AFFECTED	POSITIVE VALUES	NON-DETECTED VALUES	BIAS	COMMENTS*
As	MC1ER7		UL	Low	MSL (42%)
Hg	MC1ER7		UL	Low	CBN (-0.104 J µg/L)
Ag	MC1ER7		R	Ext.	LSCE (15%)

* See explanation of comments in Table 1B

TABLE 1B
CODES USED IN COMMENTS COLUMN

DUP	=	Relative Percent Differences (RPDs) in the laboratory duplicate analysis were outside control limits (35% RPD, ±2XCRQL) [RPDs are in parenthesis]. Positive results reported are estimated.
MSH	=	Matrix spike recoveries were high (>125%) [% recoveries are in parenthesis]. Positive results reported may be biased high.
LCSH	=	A solid laboratory control sample result was outside the upper control limit [% recovery is in parenthesis]. The positive result reported may be biased high.
MSL	=	Matrix spike recoveries were low (<75% but >30%) [% recoveries are in parenthesis]. Quantitation limits may be biased low.
PB	=	The preparation blank had a result >MDL [result is in parenthesis]. The positive result reported which is ≤5X the blank concentration may be biased high.
CBN	=	A continuing calibration blank had a negative result with an absolute value >MDL [result is in parenthesis]. The quantitation limit may be biased low.
LCSE	=	The laboratory control sample recovery was extremely low (<50%) [% recovery is in parenthesis]. The quantitation limit is unusable.

Appendix A

Glossary of Data Qualifier Codes

GLOSSARY OF DATA QUALIFIER CODES (INORGANIC)

CODES RELATED TO IDENTIFICATION
(confidence concerning presence or absence of analytes):

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

(NO CODE) = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

CODES RELATED TO QUANTITATION
(can be used for both positive results and sample quantitation limits):

J = Analyte Present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

Q = No analytical result.

Appendix B

Data Summary Forms

DATA SUMMARY FORM: INORGANIC

Case #: 35434
Site :
Lab. :

SDG : MC20B0
ELKTON FARMS FIREHOLE
BONNER

Number of Soil Samples : 1
Number of Water Samples : 0

Sample Number :		MC20B0									
Sampling Location :		010-PS01-A01									
Matrix :		Soil									
Units :		mg/Kg									
Date Sampled :		6/12/2006									
Time Sampled :		13:09									
%Solids :		67.4									
Dilution Factor :		1.0 / 3.0									
ANALYTE	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	20	18100									
ANTIMONY	6	27.1	J								
ARSENIC	1	8.8	K								
BARIUM	20	6720+	J								
BERYLLIUM	0.5	1.1									
CADMIUM	0.5	21.2	K								
CALCIUM	500	8590									
CHROMIUM	1	106									
COBALT	5	11.7									
COPPER	2.8	2150	J								
IRON	10	33800	J								
*LEAD	1	7770	J								
MAGNESIUM	500	3750	J								
MANGANESE	1.5	1190									
MERCURY	0.1	0.23									
NICKEL	4	33.4									
POTASSIUM	500	1110									
SELENIUM	3.5		UL								
SILVER	1	2.6									
SODIUM	500	417	B								
THALLIUM	2.5										
VANADIUM	5	31.8									
ZINC	6	5470+									

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / (%Solids/ 100)

Revised 09/99

+ = Result reported from diluted analysis.

DATA SUMMARY FORM: INORGANIC

Case #: 35434
Site :
Lab. :

SDG : MC1ER7
ELKTON FARMS FIREHOLE
BONNER

Number of Soil Samples : 0
Number of Water Samples : 1

Sample Number :		MC1ER7									
Sampling Location :		010-PS01-A01									
Matrix :		Leachate									
Units :		ug/L									
Date Sampled :		6/12/2006									
Time Sampled :		13:09									
Dilution Factor :		1.0									
ANALYTE	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
*ARSENIC	10		UL								
BARIUM	200	8790									
*CADMIUM	5	164									
*CHROMIUM	10	5.7	J								
*LEAD	10	9570									
MERCURY	0.2		UL								
SELENIUM	35										
SILVER	10		R								

CRQL = Contract Required Quantitation Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) Revised 09/99

Appendix C

Chain-of-Custody Records

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 35434
DAS No: R32533
R

Region:	3	**Date Shipped:**	6/13/2006	**Chain of Custody Record**	**Sampler Signature:**
Project Code:	X90010010510003	**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:	2006T03N302DC6CA3DHRV00	**Airbill:**	640799426820	1 Matt Kandefer 6/13/06 1660	
CERCLIS ID:	MDN000306146	**Shipped to:**	Bonner Analytical Testing 2703 Oak Grove Rd. Hattiesburg MS 39402 (601) 264-2854	2	
Spill ID:	A3DH			3	
Site Name/State:	Elkton Farms Firehole Site/MD			4	
Project Leader:	Matthew Kandefer				
Action:	Other				
Sampling Co:	Tetra Tech EM Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MC20B0	Soil (>12")/ Matthew Kandefer	M/G	TALMetal (14), TCLP Metal (14)	162 (Ice Only), 163 (Ice Only) (2)	010-PS01-A01	S: 6/12/2006 13:09	C20B0	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?**

TALMetal = Soil-TAL Metals, TCLP Metal = Soil-TCLP Extract-Metals

TR Number: 3-073938891-061306-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

U.S. EPA Region III Analytical Request Form

ASQAB USE ONLY		
RAS#	CT3698	Analytical TAT 21 days
DAS#		
NSF#		

35434

Date: 6/5/2006	Site Activity: Fund Lead Removal		
Site Name: Elkton Farms Firehole		Street Address: : End of Zither Road	
City: Elkton	State: MD	Latitude: : 39.62813 N	Longitude: 75.8477 W
Program: Superfund	Acct. #: 2006T03N302DC6CA3DHRV00	CERCLIS #: MDN000306146	
Site ID:	Spill ID: A3DH	Operable Unit: 4/25/06	
Site Specific QA Plan Submitted: ☐ No ☒ Yes	Title:Elkton Farms SAP		Date Approved: 11/25/2005
EPA Project Leader: CHARLES FITZSIMMONS 31531	Phone#: 410-305-3027	Cell Phone #: 443-223-9774	E-mail: fitzsimmons.charlie@epa.gov
Request Preparer: MARIAN MURPHY	Phone#: 610-364-2129	Cell Phone #: 267-446-2839	E-mail: marian.murphy@ttemi.com
Site Leader: MATTHEW KANDEFER	Phone#: 610-364-2125	Cell Phone #: 215-783-6064	E-mail: matthew.kandefer@ttemi.com
Contractor: Tetra Tech EM Inc		EPA CO/PO: Lorrie Murray/Karen Wodarczyk	

#Samples 12	Matrix: soil	Parameter: TAL Metals	Method: ILM05.3 ICPAES & Hg 25157
#Samples 12	Matrix: soil	Parameter: TCLP Extraction	Method: SW-846-1311 25158
#Samples 12	Matrix: leachate	Parameter: TCLP Metals on TCLP Extract Bonner	Method: ILM05.3 ICPAES
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:

Ship Date From: 6/8/2006	Ship Date To: 6/14/2026	Org. Validation Level M2	Inorg. Validation Level IM2

Unvalidated Data Requested: ☐ No ☒ Yes If Yes, TAT Needed: ☐ 24hrs ☐ 48hrs ☒ 72hrs ☐ 7days ☒ Other (Specify)

Validated Data Package Due: ☐ 14 days ☐ 21 days ☒ 30days ☐ 42 days ☐ Other (Specify) 21/9

Electronic Data Deliverables Required: ☐ No ☒ Yes (EDDs will be provided in Region 3 EDD Format)

Special Instructions:

Anal_req_form

TETRA TECH EM INC.

Marian Murphy
Memo to File Elkton Farms Firehole
Case 35434

VALIDATOR'S COPY

July 14, 2006

MEMO TO FILE
CASE 35434
Elkton Farms Firehole

Attn: RSCC
U.S. EPA Region III OAS/QA
Environmental Science Center
701 Mapes Road
Ft. Meade, MD 20755

This memo is written to correct the omission of the TCLP metals As, Ba, Cd, Cr, Pb, Se, Ag, and Hg from the Inorganic Traffic Report and Chain of Custody Record number 3-07398891-061306-0002 and the tags and labels for this case. The TCLP metals As, Ba, Cd, Cr, Pb, Se, Ag, and Hg should be included on the foot note on the Inorganic Traffic Report and Chain of Custody Record number 3-07398891-061306-0002 and on the analyses for the tags and labels for this case.

Please note these changes.

Sincerely,

Marian Murphy

Marian Murphy
For Sampler Matthew Kandefer

cc: EPA OSC Charles Fitzsimmons (3HS31)
START 3 TDD Files

7 Creek Parkway, Suite 700, Boothwyn, PA 19061
Tel 610.485.6410 Fax 610.485.8587
www.tetratech.com

Appendix D

Laboratory Case Narrative

USEPA - CLP

COVER PAGE

000001

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No: 35434 NRAS No.: _____ SDG No: MC20B0

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
MC20B0	BT40820
MC20B0D	BT40820D
MC20B0S	BT40820S

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	NO
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	NO
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: CCB Name: Christopher M. Bonner

Date: 7/6/6 Title: Inorganic Laboratory Manager

Bonner Analytical Testing Company

2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

SDG NARRATIVE:

SDG Number: MC20B0
Case Number: 35434
Contract Number: 68W02067

Sample Receipt:
On 6/14/06 we received one soil sample under Fed Ex air bill number 6407 9942 6820. Custody seals were present and intact. Cooler temp was determined to be 3.8°C. Sample was in good condition with no discrepancies.

ICP-AES Metals
The analytical run began 6/29/2006 @ 1100 hrs. MC20B0, MC20B0D and MC20B0S were over the linear range for Ba and Zn; samples were reanalyzed at appropriate dilutions. The matrix spike failed for As, Cd and Se; a post spike was analyzed at twice the CRQL for Se and twice the indigenous levels for As and Cd. The duplicate sample failed for Al, As, Cu, Fe, Mg and Pb; the failed duplicate results were flagged and reported.

Mercury
No Discrepancies

CSF
No Discrepancies

Sample Equation:

Lab ID BT40820 EPA Sample # MC20B0

Date & Time 7/29/2006 @ 12:05

Metals: 7.2 µg/L * (0.100 L) * 100 % * 1000 g * 1 mg = 1.1 mg/kg
(Analyte Be) (1.00 g) 67.4 % 1 kg 1000 µg

Date & Time 7/26/2006 @ 15:07

Hg: .32 µg/L * (0.100 L) * 100 % * 1000 g * 1 mg = .23
(0.20 g) 67.4 % 1 kg 1000 µg

Authorize by: Daniel Antrim
Daniel Antrim
Quality Assurance Officer

USEPA - CLP

000001

COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067

Lab Code: BONNER Case No: 35434 NRAS No.: 1368.0 SDG No: MC1ER7

SOW No.: ILM05.3

EPA Sample No.	Lab Sample ID
MC1ER7	BT40819
MC1ER7D	BT40819D
MC1ER7S	BT40819S

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	NO
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	NO
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: CMB Name: Christopher M. Bonner

Date: 7/6/6 Title: Inorganic Laboratory Manager

Bonner Analytical Testing Company

2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

SDG NARRATIVE:

SDG Number: MC1ER7
Case Number: 35434
Contract Number: 68W02067

Sample Receipt:
On 6/14/06 we received one soil sample under Fed Ex air bill number 6407 9942 6820. Custody seals were present and intact. Cooler temp was determined to be 3.8°C. Sample was in good condition except for the following discrepancies.

1. Lab received 1 soil sample for TCLP and Total Metals. The laboratory is requesting an extra sample ID.

Resolution: Per Region 3, the laboratory will be provided with a new CLP sample ID. The laboratory shall use sample ID MC1ER7. The laboratory will note the issue in the Case/SDG Narrative and proceed with the analysis of the samples.

ICP-AES Metals
The analytical run began on 6/28/2006 @ 1028 hrs. The matrix spike failed for As; a post spike was done at twice the CRQL for As.

Mercury
No Discrepancies

CSF
No Discrepancies

Sample Equation:
Lab ID BT 40819 EPA Sample # MC1ER7

Date & Time 6/28/06 @ 1234

Metals: 6789.6 µg/L * 1 (Dilution Factor) = 6970 ug/L
(Analyte Ba)

Date & Time 6/29/06 @ 1440
Hg: .01 µg/L * 1 (Dilution Factor) = .20 ug/L ND JD 7/5/06

Authorized by: Daniel Antrim
Daniel Antrim
Quality Assurance Officer

Shannon Chadwell

From: Chan, Charles [cchan46@fedcsc.com]
Sent: Wednesday, June 21, 2006 2:46 PM
To: Shannon Chadwell; 'Chris Bonner'
Cc: 'Dan Slizys'; 'Khin-Cho Thaung (E-mail)'; 'John Kwedar'; 'Carroll Harris'
Subject: Region 03 | Case 35434 | Lab BONNER | Issue Discrepancies with tags, jars, and/or TR/COC | FINAL

Shannon,

Issue: Lab received 1 soil sample for TCLP and Total Metals. The laboratory is requesting an extra sample ID.

Resolution: Per Region 3, the laboratory will be provided with a new CLP sample ID. The laboratory shall use sample ID MC1ER7. The laboratory will note the issue in the Case/SDG Narrative and proceed with the analysis of the samples.

Please let me know if you have questions or problems.

Charles M. Chan
Regions 1, 3 & 4 Contract Laboratory Program Coordinator Computer Sciences Corporation
Phone: 703.818.5644 | Fax: 703.818.4602
cchan46@fedcsc.com | cchan46@csc.com
Office Hours: 9AM to 5PM

Reduce Reuse Recycle

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: Slizys.Dan@epamail.epa.gov [mailto:Slizys.Dan@epamail.epa.gov]
Sent: Wednesday, June 21, 2006 10:22 AM
To: Chan, Charles
Cc: harris.carroll@epamail.epa.gov; Kwedar.John@epamail.epa.gov; thaung.khin-cho@epamail.epa.gov
Subject: Re: NEW ISSUE | Case 35434 | Lab BONNER | Issue Discrepancies with ta gs, jars, and/or TR/COC

Charles,

Please provide the lab a new CLP sample number.

From: "Chan, Charles" <cchan46@fedcsc.com>
Sent: 06/21/2006 10:14 AM
To: Dan Slizys/ESC/R3/USEPA/US@EPA, Khin-ChoThaung/ESC/R3/USEPA/US@EPA, JohnKwedar/ESC/R3/USEPA/US@EPA, Carroll Harris/ESC/R3/USEPA/US@EPA
Cc:
Subject: NEW ISSUE | Case 35434 | Lab BONNER | Issue Discrepancies with tags, jars, and/or TR/COC

Dan,

Please advise on the issue for Case 35434.

Issue: Lab received 1 soil sample for TCLP and Total Metals. The laboratory is requesting an extra sample ID.

Thanks,

Charles M. Chan
Regions 1, 3 & 4 Contract Laboratory Program Coordinator Computer Sciences Corporation
Phone: 703.818.5644 | Fax: 703.818.4602
cchan46@fedcsc.com | cchan46@csc.com
Office Hours: 9AM to 5PM

Reduce Reuse Recycle

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06/21/2006 10:00AM

Shannon Graves, BONNER, spoke with Charles Chan, SMO regarding Case 35434. Lab received 1 soil sample for TCLP and Total Metals. The laboratory requires 1 inorganic sample ID.