SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51759 MA No.: 3227.1 SDG No.: ME29F6

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
ME29F6	P4977-01	X	X		
ME29F7	P4977-02	X	X		
ME29F8	P4977-03	X	X		
ME29F8D	P4977-04	X	X		
ME29F8S	P4977-05	X	X		
ME29F9	P4977-06	X	X		
ME29G0	P4977-07	X	X		
ME29G1	P4977-08	X	X		
ME29G2	P4977-09	X	X		

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 in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

68HERH20D0011 SDG # ME29F6

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: GW3_MTL_CLP

DateShipped: 11/22/2024
CarrierName: FedEx
AirbillNo: 7701 2710 8373

Case #: 51759
Cooler #: 1

Lab: Alliance Technical Group
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PMW1B_1124	ME29F6	Soil/ Versar	Grab	TMTL_SB(21)	1305 (Ice) (1)	PMW-1	11/18/2024 14:00	
PMW1C_1124	ME29F7	Soil/ Versar	Grab	TMTL_SB(21)	1307 (Ice) (1)	PMW-1	11/18/2024 14:05	
PMW1D_1124	ME29F8	Soil/ Versar	Grab	TMTL_SB(21)	1309 (Ice) (1)	PMW-1	11/18/2024 14:25	[illegible]
PMW2A_1124	ME29F9	Soil/ Versar	Grab	TMTL_SB(21)	1311 (Ice) (1)	PMW-2	11/20/2024 08:45	
PMW2B_1124	ME29G0	Soil/ Versar	Grab	TMTL_SB(21)	1313 (Ice) (1)	PMW-2	11/20/2024 09:00	
PMW2C_1124	ME29G1	Soil/ Versar	Grab	TMTL_SB(21)	1315 (Ice) (1)	PMW-2	11/20/2024 09:10	
PMW2D_1124	ME29G2	Soil/ Versar	Grab	TMTL_SB(21)	1317 (Ice) (1)	PMW-2	11/20/2024 09:20	

Sample(s) to be used for Lab QC: PMW1D_1124 Tag 1309 - Special Instructions: SATURDAY DELIVERY	**Shipment for Case Complete? Y** **Samples Transferred From Chain of Custody #**
Analysis Key: TMTL_SB=CLP Metals (ICP-AES, ICP-MS) + Hg (SB)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
			[illegible]	11/23/24	2.1°
				10:00	Item #1
					[illegible]
					[illegible]

USEPA CLP COC (LAB COPY)
DateShipped: 11/22/2024
CarrierName: FedEx
AirbillNo: 7701 2710 8373

CHAIN OF CUSTODY RECORD

Case #: 51759
Cooler #: 1

No: GW3_MTL_CLP
Lab: Alliance Technical Group
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PMW1B_1124	ME29F6	Soil/ Versar	Grab	TMTL_SB(21)	1305 (Ice) (1)	PMW-1	11/18/2024 14:00	
PMW1C_1124	ME29F7	Soil/ Versar	Grab	TMTL_SB(21)	1307 (Ice) (1)	PMW-1	11/18/2024 14:05	
PMW1D_1124	ME29F8	Soil/ Versar	Grab	TMTL_SB(21)	1309 (Ice) (1)	PMW-1	11/18/2024 14:25	
PMW2A_1124	ME29F9	Soil/ Versar	Grab	TMTL_SB(21)	1311 (Ice) (1)	PMW-2	11/20/2024 08:45	
PMW2B_1124	ME29G0	Soil/ Versar	Grab	TMTL_SB(21)	1313 (Ice) (1)	PMW-2	11/20/2024 09:00	
PMW2C_1124	ME29G1	Soil/ Versar	Grab	TMTL_SB(21)	1315 (Ice) (1)	PMW-2	11/20/2024 09:10	
PMW2D_1124	ME29G2	Soil/ Versar	Grab	TMTL_SB(21)	1317 (Ice) (1)	PMW-2	11/20/2024 09:20	

Sample(s) to be used for Lab QC: PMW1D_1124 Tag 1309 - Special Instructions: SATURDAY DELIVERY

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: TMTL_SB=CLP Metals (ICP-AES, ICP-MS) (SB) (TAT 21 Days)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
samples for analysis	Hannah Ramirez Digitally signed by Hannah Ramirez DN: C=US, E=hannah.ramirez@versar.com, O=Versar Global Solutions, OU=Applied Professional & Technology Solutions, CN=Hannah Ramirez Reason: I am approving this document Date: 2024.11.25 14:32:22-05'00'	11/22/24 18:00		11/23/24 10:00	2.1 °C

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) Gousta Nesuah		Log-in Date **11/23/2024**
Received By (Signature)		
Case Number 51759	SDG No. ME29F6	MA No. 3227.1

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	770127108373 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.1 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	11/23/2024
12.Time Received	10:00

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	ME29F6	N/A	1305	P4977-01	Intact
2	ME29F7	N/A	1307	P4977-02	Intact
3	ME29F8	N/A	1309	P4977-03	Intact
4	ME29F8D	N/A	1309	P4977-04	Intact
5	ME29F8S	N/A	1309	P4977-05	Intact
6	ME29F9	N/A	1311	P4977-06	Intact
7	ME29G0	N/A	1313	P4977-07	Intact
8	ME29G1	N/A	1315	P4977-08	Intact
9	ME29G2	N/A	1317	P4977-09	Intact
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. N/A
Date 11/25/24	Logbook Page No. N/A

FORM DC-2
COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	**Alliance Technical Group, LLC**		
LAB CODE	**ACE**		
CONTRACT NO.	**68HERH20D0011**		
CASE NO.	**51759**	SDG NO.	**ME29F6**
MA NO.	**3227.1**	SOW NO.	**SFAM01.1**

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

	PAGE NOs: FROM	PAGE NOs: TO	CHECK LAB	CHECK REGION
1 . SDG Cover Page	1	1	✓	
2 . Traffic Report/Chain of Custody Record(s)	2	3	✓	
3 . Sample Log-In Sheet (DC-1)	4	4	✓	
4 . CSF Inventory Sheet (DC-2)	5	7	✓	
5 . SDG Narrative	8	13	✓	
6 . Communication Logs	14	24	✓	
7 . Percent Solids Log	25	26	✓	
Analysis Forms and Data (ICP-AES)				
8 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	27	33	✓	
9 . Instrument raw data by instrument in analysis order	34	343	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	344	494	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	495	496	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	497	514	✓	
13 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
15 . Raw GPC Data	NA	NA	✓	
16 . Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (ICP-MS)				
17 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	515	521	✓	
18 . Instrument raw data by instrument in analysis order	522	944	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	945	1088	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1089	1090	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1091	1094	✓	
22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
23. Extraction Logs for TCLP and SPLP	NA	NA	✓	
24. Raw GPC Data	NA	NA	✓	
25. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Mercury)				
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
27. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
28. Standard and Reagent Preparation Logs	NA	NA	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32. Extraction Logs for TCLP and SPLP	NA	NA	✓	
33. Raw GPC Data	NA	NA	✓	
34. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Cyanide)				
35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
36. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
37. Standard and Reagent Preparation Logs	NA	NA	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
41. Extraction Logs for TCLP and SPLP	NA	NA	✓	
42. Raw GPC Data	NA	NA	✓	
43. Raw Florisil Data	NA	NA	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)	1095	1095	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1096	1097	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1098	1099	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

Completed by: (CLP Lab)		Nimisha Pandya, Document Control Officer	
	(Signature)	(Print Name & Title)	(Date)
Audited by: (EPA)			
	(Signature)	(Print Name & Title)	(Date)

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # ME29F6
CASE # 51759
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID #P4977
MODIFIED ANALYSIS# 3227.1

A. Number of Samples and Date of Receipt

07 Soil samples were delivered to the laboratory intact on 09/23/2024

B. Parameters

Test requested for Metals CLP12 = Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium.

Test requested for Metals CLP MS FULL= Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Nickel, Selenium, Silver, Thallium, Titanium, Vanadium, Zinc.

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 2.1^{o}C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue 1: A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

Issue 2: The COCs are missing the relinquished by information.

Issue 3: Hg analysis is not scheduled for this Case but is listed on the COC.

Issue 4: The sample jars for soil samples ME29E9, ME29F1 and ME29G2 were broken inside their Ziplock bags, and all sample volume spilled into the bags. The ice water that submerged the soil samples in the bag could result in crosscontamination.

E. Corrective Action taken for above:

Resolution 1: To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 2: Per Region 5, a revised COC has been provided with the relinquished by information. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 3: Per Region 5, the laboratory will disregard Hg analysis and proceed with the analysis of the samples as scheduled. Please note the issue in the SDG Narrative.

Resolution 4: Per Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples with the risk of cross-contamination.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method SFAM01.1.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

G. Calculation:

Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Example Calculation For Sample ME29F6 For Aluminum:

If C = 17.85760 ppm
Vf = 100 ml
W = 1.18g
S = 0.90(90/100)
DF = 1

$$\text{Concentration (mg/kg)} = 17.85760 \times \frac{100}{1.18 \times 0.90} \times 1$$

$$= 1681.50 \text{ mg/kg}$$

$$= 1700 \text{ mg/kg (Reported Result with Signification)}$$

Calculation for ICP-MS Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Example Calculation For Sample ME29F6 For Arsenic:

If C = 6.75 ppb
Vf = 500 ml
W = 1.08 g
S = 0.90(90/100)
DF = 1

$$\text{Concentration (mg/kg)} = 6.75 \times \frac{500}{1.08 \times 0.90} \times 1 / 1000$$

$$= 3.4722 \text{ mg/kg}$$

$$= 3.5 \text{ mg/kg (Reported Result with Signification)}$$

H. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except For Lead. Duplicate sample did meet requirements except for Arsenic, Barium,

284 Sheffield Street
Mountainside, NJ 07092

Chromium, Cobalt, Copper, Lead, Manganese, Nickel, Vanadium, Zinc. Serial Dilution did meet requirements.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Manganese	45Sc
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Titanium	45sc
Vanadium	45Sc
Zinc	45Sc

284 Sheffield Street
Mountainside, NJ 07092

I certify that the 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 hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

Date: 10/31/2024	**MA:** 3227.1	**Title:** ICP-MS Analysis Plus Titanium
Method Source: SFAM01.1	**Method:** ICP-MS	
Matrix: Soil/Sediment		

Summary of Modification

The purpose of this modified analysis is to analyze soil/sediment samples by ICP-MS with the addition of the non-routine analyte Titanium (Ti). Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

I. Analyte Modifications **Not applicable** ☐

Analyte	CAS Number	CRQL (mg/kg)	MDL (mg/kg)	Spike Added (mg/kg)
Titanium (Ti)	7440-32-6	1.0	<1.0	50

II. Calibration and QC Requirements **Not applicable** ☐

The Laboratory shall:

- Ensure that a Method Detection Limit has been determined for Ti in soil/sediment matrix by the preparation method used for the samples that is less than the CRQL.
- Perform the Initial Calibration with at least one non-blank standard at or below the modified CRQL, converted to µg/L.
- Add Ti to the ICV and CCV at appropriate mid-range concentrations.
- Evaluate the ICB and CCB against the modified CRQL converted to µg/L.
- Evaluate the Preparation Blanks using the modified CRQL.
- Perform the Matrix Spike at the level specified above. Post-digestion spike requirements are per the SOW.
- Flag the Duplicates based on the modified CRQL.
- Prepare the LCS at 2 times the modified CRQL.

III. Preparation and Method Modifications **Not applicable** ☒

IV. Special Reporting Requirements **Not applicable** ☐

The Laboratory shall:

- Add Titanium to Form 1.
- Report the “J” and “U” qualifiers in accordance with the requirements in Exhibit B, Section 3.4.3.2.4.2, using the modified CRQL.
- Ensure that the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the corrective action taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analysis including a copy of the approved modification with the SDG Narrative.

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Tuesday, November 26, 2024 1:40 PM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: R5RSCC
Subject: Region 05 | Case 51759 | Lab ACE | Issue Damaged Samples | FINAL
Attachments: SKM_95824112311120.pdf

Good afternoon,

Issue: The sample jars for soil samples ME29E9, ME29F1 and ME29G2 were broken inside their Ziplock bags, and all sample volume spilled into the bags. The ice water that submerged the soil samples in the bag could result in cross-contamination.
Resolution: Per Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples with the risk of cross-contamination.

Please note that the laboratory may contact the appropriate CLP PM should any defects need to be waived for this issue.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

From: R5RSCC <R5RSCC@epa.gov>
Sent: Tuesday, November 26, 2024 12:06 PM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Subject: RE: Region 05 | Case 51759 | Lab ACE | Issue Damaged samples

This Message Is From an External Sender

Please use caution with links, attachments, and any requests for credentials.

Hi Tasmia,

The client would like for the lab to proceed with analysis even if cross-contamination is expected.

Thanks,
Amanda

Amanda Wroble, Ph.D.
Metals Chemist & Regional Sample Control Coordinator (RSCC)/CRL Sample Coordinator
USEPA Region 5 LSASD/AIMB
Chicago Regional Laboratory
536 S. Clark St. LAB-10C, 10th Floor
Chicago, IL 60605
(312) 353-0375

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Tuesday, November 26, 2024 9:56 AM
To: R5RSCC <R5RSCC@epa.gov>
Subject: Region 05 | Case 51759 | Lab ACE | Issue Damaged samples

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hi Amanda,

While sample jars were broken inside the Ziplock bag, the ice water that submerged the soil samples in the bag could result in cross-contamination.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

From: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Sent: Tuesday, November 26, 2024 10:36 AM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Cc: Deepak Parmar <Deepak.Parmar@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: RE: Region 05 | Case 51759 | Lab ACE | Issue Damaged samples

Hi Tasmia,

The sample jars were broken inside the Ziploc bag, and the ice water that submerged the soil samples in the bag could also result in cross-contamination.

Thanks & Regards,

Sohil Jodhani
QA/QC Director
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3152
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Tuesday, November 26, 2024 10:08 AM
To: Deepak Parmar <Deepak.Parmar@alliancetg.com>; Sohil Jodhani <Sohil.Jodhani@alliancetg.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Region 05 | Case 51759 | Lab ACE | Issue Damaged samples

Good morning,

Would the laboratory be able to place soil volume from broken containers for samples ME29E9, ME29F1 and ME29G2 into new containers for analysis (if ziplock did not break)?

Best Regards,
Tasmia Zafar
Associate Environmental Analyst

CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

From: R5RSCC <R5RSCC@epa.gov>
Sent: Tuesday, November 26, 2024 9:37 AM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Subject: RE: Region 05 | Case 51759 | Lab ACE | Issue Damaged samples

Hi Tasmia,

Is it possible to run the analysis on the soil that spilled into the Ziploc bag if the bag itself didn't break?

Thanks,
Amanda

Amanda Wroble, Ph.D.
Metals Chemist & Regional Sample Control Coordinator (RSCC)/CRL Sample Coordinator
USEPA Region 5 LSASD/AIMB
Chicago Regional Laboratory
536 S. Clark St. LAB-10C, 10th Floor
Chicago, IL 60605
(312) 353-0375

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Monday, November 25, 2024 3:32 PM
To: R5RSCC <R5RSCC@epa.gov>
Subject: Region 05 | Case 51759 | Lab ACE | Issue Damaged samples

Good afternoon,

Please advise on the below issue.

Issue: Soil samples ME29E9, ME29F1 and ME29G2 were received broken and there is no volume left for analysis. The laboratory would like direction on how to proceed.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

Leave Alert: 12/23/24 and 12/26/24-12/27/24

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, November 25, 2024 2:16 PM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: RE: Region 05 | Case 51759 | Lab ACE | Issue Damaged sample

Good afternoon,

there is no volume left for all the samples for analysis. there is no evidence of cross contamination.

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Monday, November 25, 2024 12:56 PM
To: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: RE: Region 05 | Case 51759 | Lab ACE | Issue Damaged sample

Good afternoon,

Would the laboratory confirm whether there is any evidence of cross contamination and whether there is sufficient volume remaining for analysis?

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, November 25, 2024 10:26 AM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 05 | Case 51759 | Lab ACE | Issue Damaged sample

This Message Is From an External Sender

Please use caution with links, attachments, and any requests for credentials.

Good morning,

Soil Sample ME29E9,ME29F1 and ME29G2 Received broken. The laboratory would like to know how to proceed.

Please see attachment for your reference.

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Monday, November 25, 2024 5:02 PM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: R5RSCC
Subject: Region 05 | Case 51759 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL
Attachments: 51759_CLP-NJ-MTL_Ship1_112224R1.pdf; SKM_95824112311120.pdf

Good afternoon,

Issue 1: The COCs are missing the relinquished by information.
Resolution 1: Per Region 5, a revised COC has been provided with the relinquished by information. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Issue 2: Hg analysis is not scheduled for this Case but is listed on the COC.
Resolution 2: Per Region 5, the laboratory will disregard Hg analysis and proceed with the analysis of the samples as scheduled. Please note the issue in the SDG Narrative.

Please note that the laboratory may contact the appropriate CLP PM should any defects need to be waived for this issue.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086
tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

From: R5RSCC <R5RSCC@epa.gov>
Sent: Monday, November 25, 2024 2:47 PM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Subject: FW: Region 05 | Case 51759 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Hi Tasmia,

See attached COC with relinquished by sig/date/time. Hg is not needed for the metals samples.

Thanks,
Amanda

Amanda Wroble, Ph.D.
Metals Chemist & Regional Sample Control Coordinator (RSCC)/CRL Sample Coordinator
USEPA Region 5 LSASD/AIMB
Chicago Regional Laboratory
536 S. Clark St. LAB-10C, 10th Floor
Chicago, IL 60605
(312) 353-0375

From: Ramirez, Hannah [USA - EMP] <Hannah.Ramirez@versar.com>
Sent: Monday, November 25, 2024 1:33 PM
To: R5RSCC <R5RSCC@epa.gov>; Whipple, Jonathan [USA - EMP] <Jonathan.Whipple@versar.com>; Forbes, Micah [USA - EMP] <MForbes@versar.com>
Cc: Hardin, David (Erik) <hardin.erik@epa.gov>
Subject: RE: Region 05 | Case 51759 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Revised COC attached.

Hannah Ramirez
Project Geologist, Data Manager

VERSAR GLOBAL SOLUTIONS

Direct: 757.250.7713
Mobile: 717.818.7888
Email: hannah.ramirez@versar.com
Versar.com

From: R5RSCC <R5RSCC@epa.gov>
Sent: Monday, November 25, 2024 2:15 PM

To: Ramirez, Hannah [USA - EMP] <Hannah.Ramirez@versar.com>; Whipple, Jonathan [USA - EMP] <Jonathan.Whipple@versar.com>; Forbes, Micah [USA - EMP] <MForbes@versar.com>
Cc: Hardin, David (Erik) <hardin.erik@epa.gov>
Subject: FW: Region 05 | Case 51759 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Hi Hannah,

Please advise on the following issues:

Issue 1: The COCs are missing the relinquished by information.

Issue 2: Hg analysis is not scheduled for this Case, but is listed on the COC.

For issue #2, I checked the analytical request form and didn't see Hg except for TCLP Hg, but I wanted to confirm before responding incorrectly to the issue.

Thanks,
Amanda

Amanda Wroble, Ph.D.
Metals Chemist & Regional Sample Control Coordinator (RSCC)/CRL Sample Coordinator
USEPA Region 5 LSASD/AIMB
Chicago Regional Laboratory
536 S. Clark St. LAB-10C, 10th Floor
Chicago, IL 60605
(312) 353-0375

From: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Sent: Monday, November 25, 2024 12:05 PM
To: R5RSCC <R5RSCC@epa.gov>
Subject: Region 05 | Case 51759 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good afternoon,

Please advise on the below issues.

Issue 1: The COCs are missing the relinquished by information.

Issue 2: Hg analysis is not scheduled for this Case, but is listed on the COC.

Best Regards,
Tasmia Zafar
Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086

tasmia.zafar@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: 12/23/24 and 12/26/24-12/27/24

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Saturday, November 23, 2024 11:29 AM
To: Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 05 | Case 51759 | Lab CHM | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Issue 1: All COC missing relinquished information.

Issue 2: As per ASR Hg analysis is not scheduled for this case, however Analysis Key mentioned Hg analysis. there for The laboratory would like to know how to proceed ?

Please see attachment for your reference.

Thanks & Regards,

Alliance TECHNICAL GROUP

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com AST AEM AAS

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/27/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:30
In Date: 11/26/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:48
Out Date: 11/27/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133636

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4977-01	ME29F6	1	1.16	8.67	9.83	8.96	90.0	
P4977-02	ME29F7	2	1.15	8.80	9.95	9.04	89.7	
P4977-03	ME29F8	3	1.16	8.80	9.96	8.62	84.8	
P4977-04	ME29F8D	4	1.16	8.80	9.96	8.62	84.8	
P4977-05	ME29F8S	5	1.16	8.80	9.96	8.62	84.8	
P4977-06	ME29F9	6	1.15	8.40	9.55	8.66	89.4	
P4977-07	ME29G0	7	1.11	8.78	9.89	8.78	87.4	
P4977-08	ME29G1	8	1.15	8.83	9.98	8.88	87.5	
P4977-09	ME29G2	9	1.15	8.81	9.96	8.9	88.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB133636

WorkList Name : %1-p4977 **WorkList ID :** 185793 **Department :** Wet-Chemistry **Date :** 11-26-2024 14:21:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4977-01	ME29F6	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P4977-02	ME29F7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P4977-03	ME29F8	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P4977-04	ME29F8D	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P4977-05	ME29F8S	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P4977-06	ME29F9	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P4977-07	ME29G0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/20/2024	Chemtech -SO
P4977-08	ME29G1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/20/2024	Chemtech -SO
P4977-09	ME29G2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/20/2024	Chemtech -SO

Date/Time 11-26-24 14:50
Raw Sample Received by: JB WC
Raw Sample Relinquished by: IT (SM)

Date/Time 11-26-24 15:35
Raw Sample Received by: IT (SM)
Raw Sample Relinquished by: JB CeeDee