SDG COVER PAGE

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

Lab Code: ACE Case No.: 51918 MA No.: 3157.0 SDG No.: MJNBZ1

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MJNBZ1	P5250-01		X	X	
MJNBZ3	P5250-02		X	X	
MJNBZ4	P5250-03		X	X	
MJNBZ7	P5250-04		X	X	
MJNBZ8	P5250-05		X	X	
MJNBZ2	P5250-06		X	X	
MJNBZ2D	P5250-07		X	X	
MJNBZ2S	P5250-08		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 # MJNBZ1

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-120324-132121-0003

DateShipped: 12/9/2024
CarrierName: Fedex
AirbillNo: 7706 8369 0648

Case #: 51918
Cooler #:

Lab: Alliance Technical Group, LLC
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
WSTB-J003SB-~~2~~ ~~5~~1-3	MJNBZ1	Soil Subsurface/	Disposable Hand Trowel	ICP/MS(21)	1042 (< 6 C) (2)	WSTB-J003SB	12/05/2024 1044	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP/MS=CLP TAL Metals ICP-MS (Incl. Hg + Molybdenum)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
MJNBZ1	[signature]	12/5/24 1215	Emily [signature] WSP	12/5/24 1215	Good
			[signature]	7:40 12-11-24	ZR-Cont#1 2.0° Custody Seal Intact Temp Blank present

68HERH20D0011

SDG # MJNBZ1

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-120324-181024-0008

DateShipped: 12/9/2024
CarrierName: Fedex
AirbillNo: 7706 2369 0648

Case #: 51918
Cooler #:

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

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SNBL-J018SB-1-2	MJNBZ3	Soil Subsurface/	Direct Push Technology	ICP/MS(21)	1003 (< 6 C) (2)	SNBL-J018SB	12/11/2024 1033	
SNBL-J018SB-2-3	MJNBZ4	Soil Subsurface/	Direct Push Technology	ICP/MS(21)	1020 (< 6 C) (2)	SNBL-J018SB	12/11/2024 1040	
~~SNBL-J019SB-1-2~~	~~MJNBZ5~~	~~Soil Subsurface/~~	~~Direct Push Technology~~	~~ICP/MS(21)~~	~~1025 (< 6 C) (2)~~	~~SNBL-J019SB~~	~~12/11/2024~~	
~~SNBL-J019SB-2-3~~	~~MJNBZ6~~	~~Soil Subsurface/~~	~~Direct Push Technology~~	~~ICP/MS(21)~~	~~1021 (< 6 C) (2)~~	~~SNBL-J019SB~~	~~12/11/2024~~	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP/MS=CLP TAL Metals ICP-MS (Incl. Hg + Molybdenum)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
MJNBZ3, MJNBZ4	Jennifer Ulich	12/6/24 1110	Emily Os WSP	12/6/24 1110	
				7:40 12-11-24	IR-Gun #1 2.0°C Custody Seal Intact Temp Blank present

68HERH20D0011 SDG # MJNBZ1

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-120324-182542-0011

DateShipped: ~~12/12/2024~~ 12/13/2024
CarrierName: Fedex
AirbillNo: 7707 5761 1280

Case #: 51918
Cooler #:

Lab: Alliance Technical Group, LLC
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
ROAD-J004SS	MJNBZ7	Soil Surface/	Disposable Hand Trowel	ICP/MS(21)	1002 (< 6 C) (2) (1)	ROAD-J004SS	12/12/2024 1030	
WSTB-J002SS	MJNBZ8	Soil Surface/	Disposable Hand Trowel	ICP/MS(21)	1037 (< 6 C) (2) (1)	WSTB-J002SS	12/12/2024 0925	
SNBL-J001SB-1-2	MJNBZ2	Soil Subsurface	Direct Push Technology	ICP/MS (21)	1030 (<6 C) (2) (1)	SNBL-J001SB	12/11/2024 1000	

Special Instructions:

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

Analysis Key: ICP/MS=CLP TAL Metals ICP-MS (Incl. Hg + Molybdenum)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
MJNBZ7, MJNBZ8, MJNBZ2	Jennifer Ulrich	12/12/24 1250	Emily Oz WSP	12/12/24 1250	Good
			[signature]	12/14/24 10:35	2.1°C IR Gun #1 Temp blank [illegible]

[signature]

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 2
Received By (Print Name) Rosana Piña		Log-in Date 12/11/2024
Received By (Signature)		
Case Number 51918	SDG No. MJNBZ1	MA No. 3157.0

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.	770623690648 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.0 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	12/11/2024
12.Time Received	07:40

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MJNBZ1	N/A	1042	P5250-01	Intact
2	MJNBZ3	N/A	~~1033~~ 1033 AA	P5250-02	Intact
3	MJNBZ4	N/A	1020	P5250-03	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
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 12/11/24	Logbook Page No. N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 2
Received By (Print Name) Gasparova Rina		Log-in Date 12/14/2024
Received By (Signature)		
Case Number 51918	SDG No. MJNBZ1	MA No. ~~N/A~~ 31570 or

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.	770757611280 2
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	12/14/2024
12.Time Received	10:35

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MJNBZ7	N/A	1002	P5250-04	Intact
2	MJNBZ8	N/A	1037	P5250-05	Intact
3	MJNBZ2	N/A	1030	P5250-06	Intact
4	MJNBZ2D	N/A	1030	P5250-07	Intact
5	MJNBZ2S	N/A	1030	P5250-08	Intact
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
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	12/16/24	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.	**51918**	SDG NO.	**MJNBZ1**
MA NO.	**3157.0**	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	4	✓	
3 . Sample Log-In Sheet (DC-1)	5	6	✓	
4 . CSF Inventory Sheet (DC-2)	7	9	✓	
5 . SDG Narrative	10	14	✓	
6 . Communication Logs	15	19	✓	
7 . Percent Solids Log	20	21	✓	
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	NA	NA	✓	
9 . Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	NA	NA	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
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	22	27	✓	
18 . Instrument raw data by instrument in analysis order	28	1311	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	1312	1446	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1447	1448	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1449	1460	✓	
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	1461	1466	✓	
27. Instrument raw data by instrument in analysis order	1467	1468	✓	
Other Data				
28. Standard and Reagent Preparation Logs	1469	1493	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1494	1495	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1496	1497	✓	
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 2)	1498	1499	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1500	1501	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1502	1503	✓	
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 # MJNBZ1
CASE # 51918
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P5250
MODIFIED ANALYSIS #3157.0

A. Number of Samples and Date of Receipt

06 Soil samples was delivered to the laboratory intact on 12/11/2024, 12/14/2024.

B. Parameters

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

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 2.0^{o}C, 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: There is no sample designated on the COC for laboratory QC for ICP-MS Metals and Hg analyses in SDG MJNBZ1. The laboratory has selected sample MJNBZ2 for laboratory QC for ICP-MS Metals and Hg, and confirms that the sample is not a PT, blank, or rinsate sample.

Issue 3: According to the COC, samples shipped on 12/09/2024, but the collection date for samples MJNBZ3 and MJNBZ4 is 12/11/2024, indicating these samples were collected two days after the ship date. Please advise on how the laboratory may proceed.

284 Sheffield Street
Mountainside, NJ 07092

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 SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory should note the issue in the SDG Narrative and proceed with analysis of the samples.

Resolution 3: Per Region 10, the laboratory should proceed with a sample collection date of 12/06/2024 for samples MJNBZ3 and MJNBZ4. 12/11/2024 was the date that the samples were originally planned to be collected, but these samples were actually collected on 12/06/2024. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

F. Analytical Techniques:

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

G. Calculation:

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 MJNBZ1 For Arsenic:

If C = 9.24 ppb
Vf = 500 ml
W = 1.16 g
S = 0.894 (89.4/100)
DF = 1

$$\text{Concentration (mg/kg)} = 9.24 \times \frac{500}{1.16 \times 0.894} \times 1 / 1000$$

$$= 4.4549 \text{ mg/kg}$$

$$= 4.5 \text{ mg/kg (Reported Result with Signification)}$$

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Calculation for Hg 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 response in µg/L from the calibration curve.
Vf = Final prepared (absorbing solution) 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 MJNBZ1:

If C =0.4461 ppb
Vf = 100 mL
W = 0.60g
S = 0.894(89.4/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.4461 \times \frac{100}{0.60 \times 0.894} \times 1 / 1000$$

$$= 0.083165 \text{ mg/kg}$$

$$= 0.083 \text{ mg/kg (Reported Result with Signification)}$$

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. MS Spike sample did meet requirements. Duplicate sample did meet requirements. 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

284 Sheffield Street
Mountainside, NJ 07092

Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Manganese	45Sc
Molybdenum	89Y
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

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: 05/11/2017	**MA:** 3157.0	**Title:** ICP-MS Analysis Plus Molybdenum
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 Molybdenum (Mo). 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)	Spike Added (mg/kg)
Molybdenum (Mo)	7439-98-7	2.0	100

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

The Laboratory shall:

- Ensure that a Method Detection Limit has been determined for Mo in soil/sediment matrix by the preparation method used for the samples that meets all applicable SOW requirements.
- Perform the Initial Calibration with at least one non-blank standard at or below the modified CRQL, converted to µg/L.
- Add Mo 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 Molybdenum 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: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Sent: Monday, December 16, 2024 10:29 AM
To: Mohammad Ahmed; Deepak Parmar; Sohil Jodhani
Cc: Johnson, Matthew; Bauer, Heather E; Dunn, Meghan (she/her/hers; Reece, Caitlin; Britz, Helen; Moody, Brett; Gambrah, Derrick; Taylor, Lucinda; Myer, Shari; Patel, Bhavita; Vargas, Magda (she/her/hers
Subject: Region 10 | Case 51918 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC | FINAL
Attachments: 51918-COC.pdf

Good morning,

Please see the below resolution.

Issue: There is no sample designated on the COC for laboratory QC for ICP-MS Metals and Hg analyses in SDG MJNBZ1. The laboratory has selected sample MJNBZ2 for laboratory QC for ICP-MS Metals and Hg, and confirms that the sample is not a PT, blank, or rinsate sample.
Resolution: Per SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory should note the issue in the SDG Narrative and proceed with analysis of the samples.

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

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
Under contract to the EPA

T: (571) 454-2416
casey.shaeffer@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

GENERAL DYNAMICS
information technology

Leave Alert: December 24, 2024

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, December 16, 2024 7:49 AM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 10 | Case 51918 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Issue 1 : One SDG MJNBZ1 is open without lab QC for ICP-MS and Hg analysis However, a sample was not designated for Laboratory QC. Lab like to use sample MJNBZ2 for Lab QC. these samples are not blanks, rinsates or PE samples.

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: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Sent: Monday, December 16, 2024 1:35 PM
To: Mohammad Ahmed; Deepak Parmar; Sohil Jodhani
Cc: Johnson, Matthew; Bauer, Heather E; Dunn, Meghan (she/her/hers; Reece, Caitlin
Subject: Region 10 | Case 51918 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL
Attachments: P5250-TR.pdf

Good afternoon,

Please see the below resolution from Region 10.

Issue: According to the COC, samples shipped on 12/09/2024, but the collection date for samples MJNBZ3 and MJNBZ4 is 12/11/2024, indicating these samples were collected two days after the ship date. Please advise on how the laboratory may proceed.
Resolution: Per Region 10, the laboratory should proceed with a sample collection date of 12/06/2024 for samples MJNBZ3 and MJNBZ4. 12/11/2024 was the date that the samples were originally planned to be collected, but these samples were actually collected on 12/06/2024. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

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

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
Under contract to the EPA

T: (571) 454-2416
casey.shaeffer@gdit.com
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Chantilly, VA 20151
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GENERAL DYNAMICS
information technology

Leave Alert: December 24, 2024

From: Reece, Caitlin <Reece.Caitlin@epa.gov>
Sent: Monday, December 16, 2024 12:53 PM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>; Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Subject: RE: Region 10 | Case 51918 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Hello Casey,

Below is the other resolution for ACE. Thank you!

Resolution2 (ACE): The collection date on the CoC is incorrect. The date of 12/11/24 was the planned date. Please use collection date of 12/6/24 for both samples.

Kind regards,
Caitlin Reece
QA Chemist
US Environmental Protection Agency, Region 10 – Seattle, WA
Laboratory Services & Applied Sciences Division
(206) 553-1813
reece.caitlin@epa.gov

From: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Sent: Monday, December 16, 2024 8:16 AM
To: Reece, Caitlin <Reece.Caitlin@epa.gov>; Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Subject: Region 10 | Case 51918 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Please see the below issue from ACE.

Issue: According to the COC, samples shipped on 12/09/2024, but the collection date for samples MJNBZ3 and MJNBZ4 is 12/11/2024, indicating these samples were collected two days after the ship date. Please advise on how the laboratory may proceed.

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
Under contract to the EPA

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Leave Alert: December 24, 2024

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, December 16, 2024 11:07 AM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 10 | Case 51918 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Issue 1: Sample MJNBZ3 and MJNBZ4 collection dated on COC is after sample shipping dated ,therefore lab would like to confirm that lab how can proceed with Analysis ?

Please see attachment for your reference.

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
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Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
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PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/17/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 14:25
In Date: 12/16/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:55
Out Date: 12/17/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133958

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
P5250-01	MJNBZ1	1	1.15	8.67	9.82	8.9	89.4	
P5250-02	MJNBZ3	2	1.19	8.62	9.81	8.04	79.5	
P5250-03	MJNBZ4	3	1.18	8.42	9.6	7.55	75.7	
P5250-04	MJNBZ7	4	1.15	8.50	9.65	6.79	66.4	
P5250-05	MJNBZ8	5	1.15	8.80	9.95	8.36	81.9	
P5250-06	MJNBZ2	6	1.15	8.38	9.53	8.74	90.6	
P5250-07	MJNBZ2D	7	1.15	8.38	9.53	8.74	90.6	
P5250-08	MJNBZ2S	8	1.15	8.38	9.53	8.74	90.6	

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

WORKLIST(Hardcopy Internal Chain)

1333958

WorkList Name : %1-p5250 **WorkList ID :** 186369 **Department :** Wet-Chemistry **Date :** 12-16-2024 10:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5250-01	MJNBZ1	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/05/2024	Chemtech -SO
P5250-02	MJNBZ3	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/11/2024	Chemtech -SO
P5250-03	MJNBZ4	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/11/2024	Chemtech -SO
P5250-04	MJNBZ7	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/12/2024	Chemtech -SO
P5250-05	MJNBZ8	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/12/2024	Chemtech -SO
P5250-06	MJNBZ2	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/11/2024	Chemtech -SO
P5250-07	MJNBZ2D	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/11/2024	Chemtech -SO
P5250-08	MJNBZ2S	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	12/11/2024	Chemtech -SO

Date/Time 12-16-24 13:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 12-16-24 14:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]