

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
Lab Code: ACE Case No.: 51956 MA No.: \_\_\_\_\_ SDG No.: MJNLA3  
SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MJNLA3</u>	<u>Q1129-01</u>	<u>X</u>	_____	<u>X</u>	_____
<u>MJNLA3D</u>	<u>Q1129-02</u>	<u>X</u>	_____	<u>X</u>	_____
<u>MJNLA3S</u>	<u>Q1129-03</u>	<u>X</u>	_____	<u>X</u>	_____

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 # MJNLA3

**USEPA CLP COC (LAB COPY)****CHAIN OF CUSTODY RECORD****No: 10-011525-154228-0025**

Date Shipped: 1/16/2025

Lab: Alliance Technical Group LLC

Carrier Name: FedEx

Lab Contact: Mohammad Ahmed

Airbill No: 7714 8350 4498

Case #: 51821  
Cooler #: 22


Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MJNLA3	MJNLA3	Sediment/ SB	Grab	TCLP-Metals(21)	1615 (< 6 C), 1616 (< 6 C) (2)	OU6-IDW-SO-001	01/15/2025 14:10	
MJNLB3	MJNLB3	Water/ SB	Grab	ICP-MS(21)	1635 (HNO3 pH<2) (1)	OU6-SW-EB-001	01/15/2025 02:15	
MJNLB4	MJNLB4	Water Filtered/ SB	Grab	ICP-MS(21)	1636 (HNO3 pH<2) (1)	OU6-SW-EB-001	01/15/2025 02:15	
MJNLB5	MJNLB5	Water/ SB	Grab	ICP-MS(21)	1637 (HNO3 pH<2) (1)	OU6-SW-SP01	01/15/2025 01:20	
MJNLB6	MJNLB6	Water/ SB	Grab	ICP-MS(21)	1638 (HNO3 pH<2) (1)	OU6-SW-SP03-FD	01/15/2025 00:50	
MJNLB8	MJNLB8	Water/ SB	Grab	ICP-MS(21)	1640 (HNO3 pH<2) (1)	OU6-SW-SP03	01/15/2025 00:50	
MJNLB9	MJNLB9	Water/ SB	Grab	ICP-MS(21)	1641 (HNO3 pH<2) (1)	OU6-SW-SP04	01/15/2025 00:20	
MJNLCO	MJNLCO	Water/ SB	Grab	ICP-MS(21)	1642 (HNO3 pH<2) (1)	OU6-SW-SP05	01/14/2025 23:30	
MJNLE5	MJNLE5	Water/ SB	Grab	ICP-AES(21)	1667 (HNO3 pH<2) (1)	OU6-IDW-W-001	01/15/2025 14:50	
MJNLG3	MJNLG3	Water Filtered/ SB	Grab	ICP-MS(21)	1681 (HNO3 pH<2) (1)	OU6-SW-SP01	01/15/2025 01:20	
MJNLG4	MJNLG4	Water Filtered/ SB	Grab	ICP-MS(21)	1682 (HNO3 pH<2) (1)	OU6-SW-SP03-FD	01/15/2025 00:50	
MJNLG6	MJNLG6	Water Filtered/ SB	Grab	ICP-MS(21)	1684 (HNO3 pH<2) (1)	OU6-SW-SP03	01/15/2025 00:50	

Sample(s) to be used for Lab QC: MJNLB5 Tag 1637, MJNLB9 Tag 1641, MJNLG3 Tag 1681

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

Analysis Key: TCLP-Metals=CLP TCLP Metals (As, Ba, Cd, Cr,Pb,Se,Ag, Hg)-Sed, ICP-MS=CLP Metals (As, Cu, Pb, Zn)-Water, ICP-AES=CLP Metals (As, Ba, Cd, Cr,Pb,Se,Ag, Hg)-Water

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
15 containers	STEVE BEAHND / Jacobs	14:00 / 1/16/25		09:30 / 1-17-25	IR Gun #1
					Temp 3.0°C
					Temp blank present
					Custody Seal intact

68HERH20D0011

SDG # MJNLA3

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-011525-154228-0025

DateShipped: 1/16/2025

Lab: Alliance Technical Group LLC

CarrierName: FedEx

Case #: 51956

Lab Contact: Mohammad Ahmed

AirbillNo: 7714 8350 4498

Cooler #: 22

Lab Phone: 908-728-3151

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MJNLB3	MJNLB3	Water/ SB	Grab	ICP-MS(21)	1635 (HNO3 pH<2) (1)	OU6-SW-EB-001	01/15/2025 02:15	
MJNLB4	MJNLB4	Water Filtered/ SB	Grab	ICP-MS(21)	1636 (HNO3 pH<2) (1)	OU6-SW-EB-001	01/15/2025 02:15	
MJNLB5	MJNLB5	Water/ SB	Grab	ICP-MS(21)	1637 (HNO3 pH<2) (1)	OU6-SW-SP01	01/15/2025 01:20	
MJNLB6	MJNLB6	Water/ SB	Grab	ICP-MS(21)	1638 (HNO3 pH<2) (1)	OU6-SW-SP03-FD	01/15/2025 00:50	
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MJNLB9	MJNLB9	Water/ SB	Grab	ICP-MS(21)	1641 (HNO3 pH<2) (1)	OU6-SW-SP04	01/15/2025 00:20	
MJNLCO	MJNLCO	Water/ SB	Grab	ICP-MS(21)	1642 (HNO3 pH<2) (1)	OU6-SW-SP05	01/14/2025 23:30	
MJNLE5	MJNLE5	Water/ SB	Grab	ICP-AES(21)	1667 (HNO3 pH<2) (1)	OU6-IDW-W-001	01/15/2025 14:50	
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MJNLG4	MJNLG4	Water Filtered/ SB	Grab	ICP-MS(21)	1682 (HNO3 pH<2) (1)	OU6-SW-SP03-FD	01/15/2025 00:50	
MJNLG6	MJNLG6	Water Filtered/ SB	Grab	ICP-MS(21)	1684 (HNO3 pH<2) (1)	OU6-SW-SP03	01/15/2025 00:50	

Sample(s) to be used for Lab QC: MJNLB5 Tag 1637, MJNLB9 Tag 1641, MJNLG3 Tag 1681

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

Analysis Key: TCLP-Metals=CLP TCLP Metals (As, Ba, Cd, Cr,Pb,Se,Ag, Hg)-Sed, ICP-MS=CLP Metals (As, Cu, Pb, Zn)-Water, ICP-AES=CLP Metals (As, Ba, Cd, Cr,Pb,Se,Ag, Hg)-Water

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>Kadey Elay</i>	1/16/2025	<i>Deen</i>	1/17/25	3.0's
				9:36	

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Cassanova Pena</u>		Log-in Date <b>1/17/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51956</b>	SDG No. <b>MJNLA3</b>	MA No. <b>N/A</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771483504502</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>3.0</u> 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	<u>01/17/2025</u>
12. Time Received	<u>09:30</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MJNLA3	N/A	1615,16	Q1129-01	Intact
2	MJNLA3D	N/A	1615,16	Q1129-02	Intact
3	MJNLA3S	N/A	1615,16	Q1129-03	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 <u>[Signature]</u>	Logbook No. <b>N/A</b>
Date <u>1/17/25</u>	Logbook Page No. <b>N/A</b>

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

LAB NAME	Alliance Technical Group, LLC		
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51956	SDG NO.	MJNLA3
MA NO.		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:		CHECK	
	FROM	TO	LAB	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	10	✓	
6. Communication Logs	11	21	✓	
7. Percent Solids Log	NA	NA	✓	

**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	22	22	✓	
9. Instrument raw data by instrument in analysis order	23	258	✓	

**Other Data**

10. Standard and Reagent Preparation Logs	259	403	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	404	405	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	406	414	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	415	418	✓	
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	NA	NA	✓	
18. Instrument raw data by instrument in analysis order	NA	NA	✓	

**Other Data**

19. Standard and Reagent Preparation Logs	NA	NA	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	<u>PAGE NOS:</u>		<u>CHECK</u>	
	<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>REGION</u>
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	419	419	✓	
27 . Instrument raw data by instrument in analysis order	420	421	✓	

#### Other Data

28 . Standard and Reagent Preparation Logs	422	448	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	449	450	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	451	453	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32 . Extraction Logs for TCLP and SPLP	454	457	✓	
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	✓	

**Additional**

## 44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 1)

Sample Tags

Sample Log-In Sheet (Lab)

## 45. Misc. Shipping/Receiving Records (list all individual records)

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46. Internal Lab Sample Transfer Records and Tracking Sheets  
(describe or list)

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47. Other Records and related Communication Logs  
(describe or list)

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## 48. Comments:

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Completed by:  
(CLP Lab)

(Signature)

Nimisha Pandya, Document Control Officer

(Print Name &amp; Title)

(Date)

Audited by:  
(EPA)

(Signature)

(Print Name &amp; Title)

(Date)

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
458	458	✓	
NA	NA	✓	
459	459	✓	
NA	NA	✓	
460	460	✓	
NA	NA	✓	



**284 Sheffield Street  
Mountainside, NJ 07092**

## **SDG NARRATIVE**

**USEPA**

**SDG # MJNLA3**

**CASE # 51956**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

**LAB NAME: Alliance Technical Group, LLC**

**LAB CODE: ACE**

**LAB ORDER ID # Q1129**

### **A. Number of Samples and Date of Receipt**

01 Soil sample was delivered to the laboratory intact on 01/17/2024.

### **B. Parameters**

Test requested for TCLP ICP Metals = Arsenic, Barium, Cadmium, Lead, Selenium, Silver, TCLP Mercury.

### **C. Cooler Temp**

Indicator Bottle: Presence/Absence

Cooler: 3.0°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 laboratory has received two SDGs without samples designated for laboratory QC for ICP-AES, Hg, and TCLP ICP-AES. The laboratory has selected samples MJNLE5 and MJNLA3 for laboratory QC and confirms that these are not blanks, rinsates, or PT samples.

Issue 3: The COC indicates that these samples are for Case 51821, but this Case completed on 12/20/2024.

### **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 will note the issue in the SDG Narrative and proceed with the analysis of the samples.





**284 Sheffield Street  
Mountainside, NJ 07092**

Resolution 3: Per Region 10, the COC references the incorrect Case number and samples in this shipment are for Case 51956. A corrected COC will be provided once it is available. 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.

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

#### **G. Calculation:**

##### **Calculation for ICP-AES Water Sample:**

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \frac{V_f}{V_i} \times \text{DF} \times 1000$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)

V<sub>f</sub> = Final digestion volume (mL)

V<sub>i</sub> = Initial aliquot amount (mL) (Sample amount taken in prep)

DF = Dilution Factor

##### **Example Calculation For Sample MJNLA3 For Arsenic:**

If C = 0.1513800 ppm

V<sub>f</sub> = 50 ml

V<sub>i</sub> = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.1513800 \times \frac{50}{50} \times 1 \times 1000$$

$$= 151.38 \mu\text{g/L}$$

$$= 150 \mu\text{g/L (Reported Result with Signification)}$$

##### **Calculation for Hg Water Sample:**

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \text{DF}$$

Where,

C = Instrument response in  $\mu\text{g/L}$  from the calibration curve.

DF = Dilution Factor



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Mountainside, NJ 07092**

**Example Calculation For Mercury:**

If C = 0.1811 ppb  
DF = 1

$$\begin{aligned}\text{Concentration or Result } (\mu\text{g/L}) &= 0.1811 \times 1 \\ &= 0.1811 \mu\text{g/L} \\ &= 0.18 \mu\text{g/L (Reported Result with Signification)}\end{aligned}$$

**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. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

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

---

**From:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>  
**Sent:** Friday, January 17, 2025 4:40 PM  
**To:** Deepak Parmar; Sohil Jodhani; Mohammad Ahmed  
**Cc:** Johnson, Matthew; Bauer, Heather E; Dunn, Meghan (she/her/hers); Reece, Caitlin  
**Subject:** Region 10 | Case 51956 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC | FINAL

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good afternoon,

Please see the below resolutions.

Issue 1: The laboratory requires one sample to be designated for QC per every twenty samples, but there are two samples (MJNLB5 and MJNLB9) listed on the COC for laboratory QC. The laboratory would like to proceed by performing laboratory QC on sample MJNLB5 and regular analysis for sample MJNLB9. Please advise on how the laboratory may proceed.

Resolution 2: Per Region 10, the laboratory may proceed with performing laboratory QC on sample MJNLB5 and regular analysis for sample MJNLB9. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

Issue 2: The laboratory has received two SDGs without samples designated for laboratory QC for ICP-AES, Hg, and TCLP ICP-AES. The laboratory has selected samples MJNLE5 and MJNLA3 for laboratory QC and confirms that these are not blanks, rinsates, or PT samples.

Resolution 2: Per SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory will note the issue in the SDG Narrative and proceed with the 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](mailto:casey.shaeffer@gdit.com)  
15036 Conference Center Drive  
Chantilly, VA 20151  
[www.gdit.com](http://www.gdit.com)

**GENERAL DYNAMICS**  
a harsco technology company

Leave Alert: None

**From:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>  
**Sent:** Friday, January 17, 2025 4:05 PM  
**To:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>; Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>  
**Subject:** RE: Region 10 | Case 51956 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC

**This Message Is From an External Sender**

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

Hi Casey,

For Issue 1: it's acceptable for the lab to proceed by performing laboratory QC on sample MJNLB5 and regular analysis for sample MJNLB9 as requested.

Thank you,  
Meghan



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**Meghan Dunn**  
QA Chemist / RSCC  
(Regional Sample Control Coordinator)  
U.S. EPA, Region 10  
Cell (206) 330-6743  
Office (206) 553-8561

---

**From:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Sent:** Friday, January 17, 2025 12:33 PM  
**To:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>; Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>  
**Subject:** Region 10 | Case 51956 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC

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

Good afternoon,

Please see the below issue from ACE. Please note that issue 2 has been resolved using an SOW resolution.

Issue 1: The laboratory requires one sample to be designated for QC per every twenty samples, but there are two samples (MJNLB5 and MJNLB9) listed on the COC for laboratory QC. The laboratory would like to proceed by performing laboratory QC on sample MJNLB5 and regular analysis for sample MJNLB9. Please advise on how the laboratory may proceed.

Issue 2: The laboratory has received two SDGs without samples designated for laboratory QC for ICP-AES, Hg, and TCLP ICP-AES. The laboratory has selected samples MJNLE5 and MJNLA3 for laboratory QC and confirms that these are not blanks, rinsates, or PE samples.

Resolution 2: Per SFAM01.1 Exhibit A, Section 5.5.4.1., the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

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](mailto:casey.shaeffer@gdit.com)  
15036 Conference Center Drive  
Chantilly, VA 20151  
[www.gdit.com](http://www.gdit.com)

**GENERAL DYNAMICS**  
Information Technology

**Leave Alert: None**

**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>  
**Sent:** Friday, January 17, 2025 3:16 PM  
**To:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Cc:** Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>  
**Subject:** RE: Region 10 | Case 51956 | Lab ACE | Issue Multiple | FINAL

**This Message Is From an External Sender**

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

Good afternoon,

Issue 1 :Two SDGs open without lab QC for ICP-AES,HG and TCLP- Metals analysis However, a sample was not designated for Laboratory QC. Lab like to use samples MJNLE5 and MJNLA3 for Lab QC.. these samples are not blanks, rinsates or PE samples.

Issue 2: One QC sample need for each 20 samples SDG however, two QC samples mention on COC. So Lab like to use sample MJNLB5 for QC and other sample MJNLB9 as regular analysis. Case is complete.

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](http://www.alliancetg.com)



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**From:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>  
**Sent:** Friday, January 17, 2025 10:52 AM  
**To:** Deepak Parmar; Sohil Jodhani; Mohammad Ahmed  
**Subject:** RE: Region 10 | Case 51956 | Lab ACE | Issue Multiple

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Good morning, Deepak,

Please see the below issue/resolution 3 from Region 10 regarding the Case number for this shipment. Please confirm if the laboratory is able to accept the below adjustments (mentioned in issues 1 and 2) for Case 51956.

#### **Scheduling**

Issue 1: Water samples JNLE5 & MJNLE5 were shipped for VOA, SVOA, ICP-AES 5-10 Metals (As, Ba, Cd, Cr, Pb, Se, Ag) and Hg analyses, but these analyses are not scheduled under Case 51956. Please confirm if the laboratory is able to accept the added analyses.

Issue 2: Case 51956 includes water samples scheduled for ICP-AES 1-4 Metals analysis, but the COC indicates that samples should be analyzed under ICP-MS 1-4 Metals analysis. The Region has confirmed that ICP-MS 1-4 Metals analysis should be performed for these samples. Please confirm if the laboratory is able to accept this adjustment.

#### **Discrepancies with tags, jars, and/or COC**

Issue 3: The COC indicates that these samples are for Case 51821, but this Case completed on 12/20/2024.

Resolution 3: Per Region 10, the COC references the incorrect Case number and samples in this shipment are for Case 51956. A corrected COC will be provided once it is available. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

Thank you,

Casey Shaeffer

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

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**GENERAL DYNAMICS**  
AEROSPACE & TECHNOLOGY

Leave Alert: None

---

**From:** Deepak Parmar <Deepak.Parmar@alliancetg.com>

**Sent:** Friday, January 17, 2025 10:40 AM

**To:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>; Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>

**Subject:** RE: Region 10 | Case 51956 | Lab ACE | Issue Scheduling

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Good morning,

Water samples JNLE5 & MJNLE5 received with case 51821 not for case 51956. So please conform the case number.

**Thanks & Regards,**



**Deepak Parmar**

QA/QC

An Alliance Technical Group Company

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Direct: 908-728-3154

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

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---

**From:** Shaeffer, Casey <Casey.Shaeffer@gdit.com>

**Sent:** Friday, January 17, 2025 10:01 AM

**To:** Deepak Parmar <Deepak.Parmar@alliancetg.com>; Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>; Mohammad Ahmed <Mohammad.Ahmed@AllianceTG.com>

**Subject:** Region 10 | Case 51956 | Lab ACE | Issue Scheduling

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Good morning,

Please note that Region 10 has shipped samples to the laboratory for delivery today, 01/17/2024. Please see the below issues 1 and 2 and confirm if the laboratory can accept the adjustments.

Issue 1: Water samples JNLE5 & MJNLE5 were shipped for VOA, SVOA, ICP-AES 5-10 Metals (As, Ba, Cd, Cr, Pb, Se, Ag) and Hg analyses, but these analyses are not scheduled under Case 51956. Please confirm if the laboratory is able to accept the added analyses.

Issue 2: Case 51956 includes water samples scheduled for ICP-AES 1-4 Metals analysis, but the COC indicates that samples should be analyzed under ICP-MS 1-4 Metals analysis. The Region has confirmed that ICP-MS 1-4 Metals analysis should be performed for these samples. Please confirm if the laboratory is able to accept this adjustment.



Thank you,

Casey Shaeffer

Associate Environmental Analyst  
CLP QSS Coordinator – EPA Regions 4 & 10

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Information Technology Corp.

**Leave Alert: None**

**From:** Dunn, Meghan (she/her/hers) [dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)  
**Sent:** Friday, January 17, 2025 9:53 AM  
**To:** Shaeffer, Casey [Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)  
**Cc:** Reece, Caitlin [Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)  
**Subject:** RE: Case 51821 - update and 1 unscheduled sample

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

Hi Casey,

Sure, there are in fact only 6 samples for each matrix.

Thank you!  
-Meghan



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**Meghan Dunn**  
QA Chemist / RSCC  
(Regional Sample Control Coordinator)  
U.S. EPA, Region 10  
Cell (206) 330-6743  
Office (206) 553-8561

---

**From:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Sent:** Friday, January 17, 2025 6:52 AM  
**To:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>

**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>

**Subject:** RE: Case 51821 - update and 1 unscheduled sample

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Thank you, Meghan! Would the Region please confirm if six or ten samples should be scheduled? The ASR reflects that ten ICP-MS samples are included in this Case, but the email below discloses six.

Kind Regards,

Casey Shaeffer

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

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**GENERAL DYNAMICS**  
Aerion Technologies

**Leave Alert:** None

**From:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>

**Sent:** Friday, January 17, 2025 9:49 AM

**To:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>

**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>

**Subject:** RE: Case 51821 - update and 1 unscheduled sample

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

Hi Casey, yes the ICP-AES for 4 metals can be cancelled once ICP-MS is assigned.

Thank you!

**From:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>

**Sent:** Friday, January 17, 2025 6:39 AM

**To:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>

**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>

**Subject:** RE: Case 51821 - update and 1 unscheduled sample

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

Thank you, Meghan! Would the Region please confirm if the ICP-AES analyses under this Case should be cancelled once the ICP-MS analyses are finalized and assigned to the laboratory?

Thank you,

Casey Shaeffer

Associate Environmental Analyst  
CLP QSS Coordinator – EPA Regions 4 & 10  
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[www.gdit.com](http://www.gdit.com)

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a technology company

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**From:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>  
**Sent:** Friday, January 17, 2025 9:36 AM  
**To:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>  
**Subject:** RE: Case 51821 - update and 1 unscheduled sample

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Hi Casey,

I'm also noticing that the 6 total and 6 dissolved metals were scheduled for ICP-AES but should have been scheduled for ICP-MS analysis. The COC is correct for these. I updated the ASR to include ICP-MS just now.

6 water samples for Total Metals (As, Cu, Pb, Zn)  
6 water samples for Dissolved Metals (As, Cu, Pb, Zn)

Apologies for all the errors on this one.

Thanks,  
Meghan



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**Meghan Dunn**  
QA Chemist / RSCC  
(Regional Sample Control Coordinator)  
U.S. EPA, Region 10  
Cell (206) 330-6743  
Office (206) 553-8561

---

**From:** Dunn, Meghan (she/her/hers)  
**Sent:** Friday, January 17, 2025 6:19 AM  
**To:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>  
**Subject:** RE: Case 51821 - update and 1 unscheduled sample

Hi Casey,

Yes, sorry, this is in fact for case 51956. I see the COC shows Case 51821 – I will get a corrected COC pdf and xml from the sampling contractor.

Thanks,  
Meghan

**From:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Sent:** Friday, January 17, 2025 6:14 AM  
**To:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>  
**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>  
**Subject:** RE: Case 51821 - update and 1 unscheduled sample

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

Good morning, Meghan,

Thank you for the update. Would the Region please confirm the Case number for these samples? It appears that Case 51956 was updated, but the COC submission and email below refer to Case 51821, which completed shipping on 12/20/2024.

Thank you,

Casey Shaeffer

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

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[casey.shaeffer@gdit.com](mailto:casey.shaeffer@gdit.com)  
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Chantilly, VA 20151

Leave Alert: None

**From:** Dunn, Meghan (she/her/hers) <[dunn.meghan@epa.gov](mailto:dunn.meghan@epa.gov)>  
**Sent:** Thursday, January 16, 2025 5:57 PM  
**To:** Shaeffer, Casey <[Casey.Shaeffer@gdit.com](mailto:Casey.Shaeffer@gdit.com)>  
**Cc:** Reece, Caitlin <[Reece.Caitlin@epa.gov](mailto:Reece.Caitlin@epa.gov)>  
**Subject:** Case 51821 - update and 1 unscheduled sample

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Hi Casey,

Case 51821 shipped samples today, summarized below. Please note that one sample submitted for 4 analyses was not included in the ASR. The analyses highlighted yellow were not included on the ASR. Thank you and apologies for that sample getting shipped without scheduled analyses. If it's not possible for the lab to accept it, please let us know.

Date shipped: 1/16/2025

Date to arrive at lab: 1/17/2025

Number of samples per matrix and per analysis:

1 IDW Sediment sample for TCLP Metals (As, Ba, Cd, Cr, Pb, Se, Ag, and Hg), TCLP SVOC, TCLP VOC, PAHs

6 water samples for Total Metals (As, Cu, Pb, Zn)

6 water samples for Dissolved Metals (As, Cu, Pb, Zn).

**Sample ID JNLE5 & MJNLE5** - 1 IDW water sample for SVOCs, VOCs, ICP-AES Metals (As, Ba, Cd, Cr, Pb, Se, Ag) and Hg.

The COC states PAH analysis as well, though the sampler indicated no PAH SIM is necessary so the request can be for SVOA only. I added the four analyses to the ASR just now.

Thank you,  
Meghan



---

**Meghan Dunn**  
QA Chemist / RSCC  
(Regional Sample Control Coordinator)  
U.S. EPA, Region 10  
Cell (206) 330-6743  
Office (206) 553-8561

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