SDG COVER PAGE

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

Lab Code: ACE Case No.: 51956 MA No.: SDG No.: MJNLB3

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MJNLB3	Q1127-01		X		
MJNLB5	Q1127-02		X		
MJNLB5D	Q1127-03		X		
MJNLB5S	Q1127-04		X		
MJNLB6	Q1127-05		X		
MJNLB8	Q1127-06		X		
MJNLB9	Q1127-07		X		
MJNLC0	Q1127-08		X		
MJNLE5	Q1127-09	X		X	
MJNLE5D	Q1127-10	X		X	
MJNLE5S	Q1127-11	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 # MJNLB3

USEPA CLP COC (LAB COPY)

DateShipped: 1/16/2025
CarrierName: FedEx
AirbillNo: 7714 8350 4498

CHAIN OF CUSTODY RECORD

Case #: 51821
Cooler #: 22

No: 10-011525-154228-0025

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
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	✓ 1
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	✓ 2 pH ok
MJNLB6	MJNLB6	Water/ SB	Grab	ICP-MS(21)	1638 (HNO3 pH<2) (1)	OU6-SW-SP03-FD	01/15/2025 00:50	✓ 3
MJNLB8	MJNLB8	Water/ SB	Grab	ICP-MS(21)	1640 (HNO3 pH<2) (1)	OU6-SW-SP03	01/15/2025 00:50	✓ 4
MJNLB9	MJNLB9	Water/ SB	Grab	ICP-MS(21)	1641 (HNO3 pH<2) (1)	OU6-SW-SP04	01/15/2025 00:20	✓ 5
MJNLC0	MJNLC0	Water/ SB	Grab	ICP-MS(21)	1642 (HNO3 pH<2) (1)	OU6-SW-SP05	01/14/2025 23:30	✓ 6
MJNLE5	MJNLE5	Water/ SB	Grab	ICP-AES(21)	1667 (HNO3 pH<2) (1)	OU6-IDW-W-001	01/15/2025 14:50	✓ 7 AES pH ok
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	

pH ok

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 BRAND / Jacobs	14:00 / 1/16/25		0930 1-17-25	IR Gun #1
					Temp 3.0°C
					Temp blank present
					Custody Seal intact

USEPA CLP COC (LAB COPY)
DateShipped: 1/16/2025
CarrierName: FedEx
AirbillNo: 7714 8350 4498

CHAIN OF CUSTODY RECORD

Case #: 51956
Cooler #: 22

No: 10-011525-154228-0025
Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
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	
MJNLC0	MJNLC0	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
	Kodey Eley	1/16/2025	Dele	1/17/25	3.0 C
				9:30	

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) Casanova Rena		Log-in Date 1/17/2025
Received By (Signature)		
Case Number 51956	SDG No. MJNLB3	MA No. N/A

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.	771483504502 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	3.0 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	01/17/2025
12.Time Received	09:30

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MJNLB3	1.0	1635	Q1127-01	Intact
2	MJNLB5	1.0	1637	Q1127-02	Intact
3	MJNLB5D	1.0	1637	Q1127-03	Intact
4	MJNLB5S	1.0	1637	Q1127-04	Intact
5	MJNLB6	1.0	1638	Q1127-05	Intact
6	MJNLB8	1.0	1640	Q1127-06	Intact
7	MJNLB9	1.0	1641	Q1127-07	Intact
8	MJNLC0	1.0	1642	Q1127-08	Intact
9	MJNLE5	1.0	1667	Q1127-09	Intact
10	MJNLE5D	1.0	1667	Q1127-10	Intact
11	MJNLE5S	1.0	1667	Q1127-11	Intact
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	1/17/25	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.	**51956**	SDG NO.	**MJNLB3**
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: 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	11	✓	
6 . Communication Logs	12	22	✓	
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	23	23	✓	
9 . Instrument raw data by instrument in analysis order	24	303	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	304	447	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	448	449	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	450	458	✓	
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	459	464	✓	
18 . Instrument raw data by instrument in analysis order	465	858	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	859	994	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	995	996	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	997	1000	✓	
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	1001	1001	✓	
27. Instrument raw data by instrument in analysis order	1002	1003	✓	
Other Data				
28. Standard and Reagent Preparation Logs	1004	1030	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1031	1032	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1033	1034	✓	
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)	1035	1035	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1036	1036	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1037	1039	✓	
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 # MJNLB3
CASE # 51956
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # Q1127

A. Number of Samples and Date of Receipt

09 Water samples were delivered to the laboratory intact on 01/17/2025.

B. Parameter

Test requested for Metals CLP12= Arsenic, Barium, Cadmium, Lead, Selenium, Silver & Mercury.

Test requested for Metals CLP MS-CLP4 = Arsenic, Copper, Lead, Zinc.

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 3.0^{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 COC indicates that these samples are for Case 51821, but this Case completed on 12/20/2024.

Issue 3: 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 4: 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.

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 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.

Resolution 3: 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.

Resolution 4: 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.

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:

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

Example Calculation For Sample MJNLE5 For Arsenic:

If C = 0.0409909 ppm
Vf = 50 ml
Vi = 50 ml
DF = 1

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Mountainside, NJ 07092

Concentration or Result (µg/L) = $0.0409909 \times \frac{50}{50} \times 1 \times 1000$

= 40.9909 µg/L

= 41 µg/L (Reported Result with Signification)

Calculation for ICP-MS Water Sample:

Concentration or Result (µg/L) = $C \times \frac{Vf}{Vi} \times DF$

Where,

C = Instrument value in ppb (The average of all replicate integrations)
Vf = Final digestion volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

Example Calculation For Sample MJNLB5 For Arsenic:

If C = 15.20 ppb
Vf = 50 ml
Vi = 50 ml
DF = 1
Concentration or Result (µg/L) = $15.20 \times \frac{50}{50} \times 1$

= 15.20 µg/L

= 15 µg/L (Reported Result with Signification)

Calculation for Hg Water Sample:

Concentration or Result (µg/L) = C x DF

Where,

C = Instrument response in µg/L from the calibration curve.
DF = Dilution Factor

Example Calculation For MJNLE5:

If C = 0.034 ppb
DF = 1

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Mountainside, NJ 07092

Concentration or Result (µg/L) = 0.034 x 1

= 0.034 µg/L

= 0.034 µg/L (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. 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
Arsenic	89Y
Copper	45Sc
Lead	209Bi
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

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

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

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

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

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
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: 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

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
Under contract to the EPA

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

Leave Alert: None

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

This Message Is From an External Sender

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

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>
Sent: Friday, January 17, 2025 6:52 AM
To: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>

Cc: Reece, Caitlin <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 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
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Under contract to the EPA

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From: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Sent: Friday, January 17, 2025 9:49 AM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Cc: Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: RE: Case 51821 - update and 1 unscheduled sample

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>
Sent: Friday, January 17, 2025 6:39 AM
To: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Cc: Reece, Caitlin <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

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Leave Alert: None

From: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Sent: Friday, January 17, 2025 9:36 AM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Cc: Reece, Caitlin <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

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

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

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Leave Alert: None

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

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)
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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

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

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Leave Alert: None

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

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

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

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

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Leave Alert: None

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

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
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