SDG COVER PAGE

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

Lab Code: ACE Case No.: 51821 MA No.: SDG No.: MJNKG0

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MJNKG0	P5249-01		X		
MJNKG0D	P5249-02		X		
MJNKG0S	P5249-03		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:

USEPA CLP COC (LAB COPY)
DateShipped: 12/9/2024
CarrierName: FedEx
AirbillNo: 7706 1995 1749

CHAIN OF CUSTODY RECORD

Case #: 51821
Cooler #: 7

No: 10-120924-133438-0009
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
MJNKD0	MJNKD0	Sediment/ HH,MM	Grab	ICP-MS(21)	1322 (< 6 C) (1)	OU6-CS-NA1-0.0-1.0	12/06/2024 13:15	1
MJNKD1	MJNKD1	Sediment/ HH,MM	Grab	ICP-MS(21)	1323 (< 6 C) (1)	OU6-CS-NA1-1.0-1.7	12/06/2024 13:20	2
MJNKE0	MJNKE0	Sediment/ LV	Grab	ICP-MS(21)	1332 (< 6 C) (1)	OU6-CS-NA2-0.0-1.0	12/06/2024 14:15	3
MJNKE1	MJNKE1	Sediment/ SB	Grab	ICP-MS(21)	1333 (< 6 C) (1)	OU6-CS-NA2-1.0-2.0	12/06/2024 14:20	4
MJNKE2	MJNKE2	Sediment/ LV	Grab	ICP-MS(21)	1334 (< 6 C) (1)	OU6-CS-NA2-2.0-2.4	12/06/2024 14:30	5
MJNKF0	MJNKF0	Sediment/ LV	Grab	ICP-MS(21)	1342 (< 6 C) (1)	OU6-CS-NA3-0.0-1.0	12/06/2024 11:45	6
MJNKF1	MJNKF1	Sediment/ LV	Grab	ICP-MS(21)	1343 (< 6 C) (1)	OU6-CS-NA3-1.0-1.5	12/06/2024 12:00	7
MJNKG0	MJNKG0	Sediment/ LV	Grab	ICP-MS(21)	1352 (< 6 C) (1)	OU6-CS-NA4-0.0-1.0	12/06/2024 15:10	8
MJNKG1	MJNKG1	Sediment/ MM	Grab	ICP-MS(21)	1353 (< 6 C) (1)	OU6-CS-NA4-1.0-2.0	12/06/2024 15:20	9
MJNKG2	MJNKG2	Sediment/ LV	Grab	ICP-MS(21)	1354 (< 6 C) (1)	OU6-CS-NA4-2.0-2.1	12/06/2024 15:30	9

Sample(s) to be used for Lab QC: MJNKD0 Tag 1322, MJNKG0 Tag 1352 0543414, 0543415

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

Analysis Key: ICP-MS=CLP Metals (As, Cu, Pb, Zn)-Sediment

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Kodey Eley Jacobs	12/9/24 1400		16:15 12-10-24	IR Gun 1 2.6° C Custody Seal Intact Temp Blk present

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 1
Received By (Print Name) Cassanova Rina		Log-in Date **12/10/2024**
Received By (Signature)		
Case Number 51821	SDG No. MJNKG0	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	0543414,0543415
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	770619951749 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.6 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	12/10/2024
12.Time Received	16:15

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MJNKG0	N/A	1352	P5249-01	Intact
2	MJNKG0D	N/A	1352	P5249-02	Intact
3	MJNKG0S	N/A	1352	P5249-03	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 12/10/24	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.	**51821**	SDG NO.	**MJNKG0**
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	2	✓	
3 . Sample Log-In Sheet (DC-1)	3	3	✓	
4 . CSF Inventory Sheet (DC-2)	4	6	✓	
5 . SDG Narrative	7	9	✓	
6 . Communication Logs	10	17	✓	
7 . Percent Solids Log	18	19	✓	
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	20	20	✓	
18 . Instrument raw data by instrument in analysis order	21	275	✓	
Other Data				
19 . Standard and Reagent Preparation Logs	276	410	✓	
20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	411	412	✓	
21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	413	417	✓	
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)	418	418	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	419	419	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	420	420	✓	
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 # MJNKG0
CASE # 51821
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P5249

A. Number of Samples and Date of Receipt

01 Soil sample was delivered to the laboratory intact on 12/10/2024

B. Parameters

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

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 2.6^{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 laboratory received the attached COC for Case 51821, but this COC is missing the relinquished information.

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, a corrected COC has been attached with the relinquished information. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

284 Sheffield Street
Mountainside, NJ 07092

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 MJNKG0 For Arsenic:

If C = 536.40 ppb
Vf = 500 ml
W = 1.25 g
S = 0.736(73.6/100)
DF = 1

$$\text{Concentration (mg/kg)} = 536.40 \times \frac{500}{1.25 \times 0.736} \times 1 / 1000$$

$$= 291.52 \text{ mg/kg}$$

$$= 290 \text{ mg/kg (Reported Result with Signification)}$$

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. 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.

284 Sheffield Street
Mountainside, NJ 07092

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: Wednesday, December 11, 2024 12:14 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 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL
Attachments: SKM_95824121016080_Relinquished_Rev1.pdf

Updated Record of Communication
This Record of Communication is being updated to include the corrected COC.

Good afternoon,

Please see the below resolution from Region 10.

Issue: The laboratory received the attached COC for Case 51821, but this COC is missing the relinquished information.
Resolution: Per Region 10, a corrected COC has been attached with the relinquished information. 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
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

Leave Alert: December 24, 2024

From: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Sent: Wednesday, December 11, 2024 12:10 PM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>; Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: RE: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Hi Casey,

Please see attached fully signed/relinquished COC.

Thank you,
Meghan

From: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Sent: Wednesday, December 11, 2024 7:19 AM
To: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>; Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

Thank you for your response. Please note that the updated COC does not include relinquished information for the second page of samples and 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

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: Wednesday, December 11, 2024 10:15 AM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Cc: Johnson, Matthew <Matthew.Johnson32@gdit.com>; Bauer, Heather E <Heather.Bauer@gdit.com>; Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>; Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: RE: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL

Good morning,

2nd page of COC is missing the relinquished information.

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: Wednesday, December 11, 2024 9:21 AM
To: Mohammad Ahmed <Mohammad.Ahmed@AllianceTG.com>; Deepak Parmar <Deepak.Parmar@alliancetg.com>; Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Cc: Johnson, Matthew <Matthew.Johnson32@gdit.com>; Bauer, Heather E <Heather.Bauer@gdit.com>; Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>; Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL

Good morning,

Please see the below resolution from Region 10.

Issue: The laboratory received the attached COC for Case 51821, but this COC is missing the relinquished information.
Resolution: Per Region 10, a corrected COC has been attached with the relinquished information. 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
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com

Leave Alert: December 24, 2024

From: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Sent: Tuesday, December 10, 2024 6:38 PM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>; Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: RE: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Hi Casey,

The field sampler was able to electronically back-date and sign the COC. Please see the attached COC for the lab's records.

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: Tuesday, December 10, 2024 1:44 PM
To: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>; Reece, Caitlin <Reece.Caitlin@epa.gov>
Subject: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good afternoon,

Please see the below issue from ACE.

Issue: The laboratory received the attached COC for Case 51821, but this COC is missing the relinquished information.

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: December 24, 2024

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Tuesday, December 10, 2024 4:22 PM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 10 | Case 51821 | Lab CHM | Issue Discrepancies with tags, jars, and/or COC

Good afternoon,

Issue 1: All COC missing relinquished information.

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

USEPA CLP COC (LAB COPY)
DateShipped: 12/9/2024
CarrierName: FedEx
AirbillNo: 7706 1995 1749

CHAIN OF CUSTODY RECORD

Case #: 51821
Cooler #: 7

No: 10-120924-133438-0009
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
MJNKD0	MJNKD0	Sediment/ HH,MM	Grab	ICP-MS(21)	1322 (< 6 C) (1)	OU6-CS-NA1-0.0-1.0	12/06/2024 13:15	• 1-Q
MJNKD1	MJNKD1	Sediment/ HH,MM	Grab	ICP-MS(21)	1323 (< 6 C) (1)	OU6-CS-NA1-1.0-1.7	12/06/2024 13:20	2
MJNKE0	MJNKE0	Sediment/ LV	Grab	ICP-MS(21)	1332 (< 6 C) (1)	OU6-CS-NA2-0.0-1.0	12/06/2024 14:15	3
MJNKE1	MJNKE1	Sediment/ SB	Grab	ICP-MS(21)	1333 (< 6 C) (1)	OU6-CS-NA2-1.0-2.0	12/06/2024 14:20	4
MJNKE2	MJNKE2	Sediment/ LV	Grab	ICP-MS(21)	1334 (< 6 C) (1)	OU6-CS-NA2-2.0-2.4	12/06/2024 14:30	5
MJNKF0	MJNKF0	Sediment/ LV	Grab	ICP-MS(21)	1342 (< 6 C) (1)	OU6-CS-NA3-0.0-1.0	12/06/2024 11:45	6
MJNKF1	MJNKF1	Sediment/ LV	Grab	ICP-MS(21)	1343 (< 6 C) (1)	OU6-CS-NA3-1.0-1.5	12/06/2024 12:00	7
MJNKG0	MJNKG0	Sediment/ LV	Grab	ICP-MS(21)	1352 (< 6 C) (1)	OU6-CS-NA4-0.0-1.0	12/06/2024 15:10	•
MJNKG1	MJNKG1	Sediment/ MM	Grab	ICP-MS(21)	1353 (< 6 C) (1)	OU6-CS-NA4-1.0-2.0	12/06/2024 15:20	8
MJNKG2	MJNKG2	Sediment/ LV	Grab	ICP-MS(21)	1354 (< 6 C) (1)	OU6-CS-NA4-2.0-2.1	12/06/2024 15:30	9

Sample(s) to be used for Lab QC: MJNKD0 Tag 1322, MJNKG0 Tag 1352 0543414, 0543415

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

Analysis Key: ICP-MS=CLP Metals (As, Cu, Pb, Zn)-Sediment

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Kodey Eley Jacobs	12/9/24 1400		16:15 12-10-24	IR Cooler 2.6°C
					Custody Seal Intact
					Trip Blk present

USEPA CLP COC (LAB COPY)
DateShipped: 12/9/2024
CarrierName: FedEx
AirbillNo: 7706 1995 1749

CHAIN OF CUSTODY RECORD

Case #: 51821
Cooler #: 7

No: 10-120924-133438-0009
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
MJNLH6	MJNLH6	Sediment/ HH,MM	Grab	ICP-MS(21)	1246 (< 6 C) (1)	OU6-CS-NA1-0.0-1.0-FD	12/06/2024 13:15	10
MJNLH7	MJNLH7	Sediment/ LV	Grab	ICP-MS(21)	1247 (< 6 C) (1)	OU6-CS-NA2-0.0-1.0-FD	12/06/2024 14:15	11
MJNLH8	MJNLH8	Sediment/ LV	Grab	ICP-MS(21)	1248 (< 6 C) (1)	OU6-CS-NA3-0.0-1.0-FD	12/06/2024 11:45	12

Special Instructions:

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

Analysis Key: ICP-MS=CLP Metals (As, Cu, Pb, Zn)-Sediment

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Kodey Eley Jacobs 12/9/24 1400			1615 12-10-24	ZR-Cooler 2.6°C Custody Seal Intact Temp Blank present

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 12:25
In Date: 12/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:30
Out Date: 12/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133937

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
P5248-01	MJNKD0	1	1.15	8.55	9.7	7.11	69.7	
P5248-02	MJNKD0D	2	1.15	8.55	9.7	7.11	69.7	
P5248-03	MJNKD0S	3	1.15	8.55	9.7	7.11	69.7	
P5248-04	MJNKD1	4	1.18	8.63	9.81	8.02	79.3	
P5248-05	MJNKE0	5	1.15	8.82	9.97	7.79	75.3	
P5248-06	MJNKE1	6	1.15	8.43	9.58	8.17	83.3	
P5248-07	MJNKE2	7	1.14	8.78	9.92	8.25	81.0	
P5248-08	MJNKF0	8	1.15	8.46	9.61	6.98	68.9	
P5248-09	MJNKF1	9	1.15	8.76	9.91	8.55	84.5	
P5248-10	MJNKG1	10	1.13	8.45	9.58	8.21	83.8	
P5248-11	MJNKG2	11	1.15	8.84	9.99	8.65	84.8	
P5248-12	MJNLH6	12	1.15	8.67	9.82	6.92	66.6	
P5248-13	MJNLH7	13	1.15	8.79	9.94	8.07	78.7	
P5248-14	MJNLH8	14	1.16	8.46	9.62	7.51	75.1	
P5249-01	MJNKG0	15	1.18	8.79	9.97	7.65	73.6	
P5249-02	MJNKG0D	16	1.18	8.79	9.97	7.65	73.6	
P5249-03	MJNKG0S	17	1.18	8.79	9.97	7.65	73.6	
P5257-01	JNLH4	18	1.15	8.84	9.99	7.35	70.1	
P5257-02	JNLH5	19	1.17	8.57	9.74	6.76	65.2	

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

WORKLIST(Hardcopy Internal Chain)

VB133937

WorkList Name : %1-p5248 **WorkList ID :** 186313 **Department :** Wet-Chemistry **Date :** 12-13-2024 10:12:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5248-01	MJNKD0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-02	MJNKD0D	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-03	MJNKD0S	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-04	MJNKD1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-05	MJNKE0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-06	MJNKE1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-07	MJNKE2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-08	MJNKF0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-09	MJNKF1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-10	MJNKG1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-11	MJNKG2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-12	MJNLH6	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-13	MJNLH7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5248-14	MJNLH8	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5249-01	MJNKG0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5249-02	MJNKG0D	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5249-03	MJNKG0S	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/06/2024	Chemtech -SO
P5257-01	JNLH4	Solid	Percent Solids	Cool 4 deg C	USEP04	C21	12/06/2024	Chemtech -SO
P5257-02	JNLH5	Solid	Percent Solids	Cool 4 deg C	USEP04	C21	12/06/2024	Chemtech -SO

Date/Time 12-13-24 11:40

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 12-13-24 12:30

Raw Sample Received by:

Raw Sample Relinquished by: