

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51821 MA No.: _____ SDG No.: MJNLH1
SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MJNLH1</u>	<u>P5169-01</u>	<u>X</u>	<u></u>	<u>X</u>	<u></u>
<u>MJNLH2</u>	<u>P5169-02</u>	<u>X</u>	<u></u>	<u>X</u>	<u></u>
<u>MJNLH5</u>	<u>P5169-03</u>	<u>X</u>	<u></u>	<u>X</u>	<u></u>
<u>MJNLH4</u>	<u>P5169-04</u>	<u>X</u>	<u></u>	<u>X</u>	<u></u>
<u>MJNLH4D</u>	<u>P5169-05</u>	<u>X</u>	<u></u>	<u>X</u>	<u></u>
<u>MJNLH4S</u>	<u>P5169-06</u>	<u>X</u>	<u></u>	<u>X</u>	<u></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 # MJNLH1

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-120524-143102-0004

Date Shipped: 12/5/2024

Lab: Alliance Technical Group LLC

Carrier Name: FedEx

Case #: 51821

Lab Contact: Mohammad Ahmed

Airbill No: 7705 3089 3078

Cooler #: 3

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
MJNKL4	MJNKL4	Sediment/ CT	Grab	ICP-MS(21)/PR	1396 (< 6 C) (1)	OU6-CS-YB02-0.0-1.0	12/03/2024 12:45	.
MJNKL5	MJNKL5	Sediment/ CT	Grab	ICP-MS(21)/PR	1397 (< 6 C) (1)	OU6-CS-YB02-0.0-1.0-FD	12/03/2024 12:45	
MJNKM5	MJNKM5	Sediment/ LV	Grab	ICP-MS(21)/PR	1407 (< 6 C) (1)	OU6-CS-YB03-0.0-1.0	12/03/2024 15:25	
MJNKM6	MJNKM6	Sediment/ CT	Grab	ICP-MS(21)/PR	1408 (< 6 C) (1)	OU6-CS-YB03-1.0-2.0	12/03/2024 15:30	
MJNKP7	MJNKP7	Sediment/ LV	Grab	ICP-MS(21)/PR	1234 (< 6 C) (1)	OU6-CS-YB05-0.0-1.0	12/04/2024 10:10	• Ⓟ = AL
MJNKP8	MJNKP8	Sediment/ LV	Grab	ICP-MS(21)/PR	1430 (< 6 C) (1)	OU6-CS-YB05-0.0-1.0-FD	12/04/2024 10:10	
MJNKP9	MJNKP9	Sediment/ LV	Grab	ICP-MS(21)/PR	1431 (< 6 C) (1)	OU6-CS-YB05-1.0-2.0	12/04/2024 10:20	
MJNLH1	MJNLH1	Sediment/ CT	Composite	TCLP-Metals(21)/PR	1241 (< 6 C) (1)	OU6-CS-YB02-0.0-1.4	12/03/2024 13:15	1 TRL
MJNLH2	MJNLH2	Sediment/ HH	Composite	TCLP-Metals(21)/PR	1242 (< 6 C) (1)	OU6-CS-YB05-0.0-2.0	12/04/2024 11:17	2 TRL

Sample(s) to be used for Lab QC: MJNKL4 Tag 1396, MJNKP7 Tag 1234

05434941, 0543497

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>WJ Jacobs</i>	12/5/24	<i>AK</i>	12/6/24	TP-24-21
					custody seal intact
					try but print

68HERH20D0011

SDG # MJNLH1

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 10-121024-134731-0011

DateShipped: 12/10/2024

Lab: Alliance Technical Group LLC

CarrierName: FedEx

Case #: 51821

Lab Contact: Mohammad Ahmed

AirbillNo: 7706 5417 6396

Cooler #: 9

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
MJNKK5	MJNKK5	Sediment/ SB	Grab	ICP-MS(21)	1387 (< 6 C) (1)	OU6-CS-YB22-0.0-0.9	12/09/2024 12:00	
MJNKL7	MJNKL7	Sediment/ SB	Grab	ICP-MS(21)	1399 (< 6 C) (1)	OU6-CS-YB23-0.0-0.6	12/09/2024 14:35	
MJNKP2	MJNKP2	Sediment/ SB	Grab	ICP-MS(21)	1424 (< 6 C) (1)	OU6-CS-YB25-0.0-1.0	12/09/2024 12:45	
MJNKP3	MJNKP3	Sediment/ SB	Grab	ICP-MS(21)	1425 (< 6 C) (1)	OU6-CS-YB25-1.0-2.0	12/09/2024 12:50	
MJNKP4	MJNKP4	Sediment/ SB	Grab	ICP-MS(21)	1426 (< 6 C) (1)	OU6-CS-YB25-2.0-3.0	12/09/2024 12:55	
MJNKP5	MJNKP5	Sediment/ SB	Grab	ICP-MS(21)	1427 (< 6 C) (1)	OU6-CS-YB25-3.0-3.7	12/09/2024 13:00	
MJNKK2	MJNKK2	Sediment/ SB	Grab	ICP-MS(21)	1484 (< 6 C) (1)	OU6-CS-YB10-0.0-1.0	12/09/2024 11:10	
MJNL82	MJNL82	Sediment/ SB	Grab	ICP-MS(21)	1594 (< 6 C) (1)	OU6-CS-YB20-0.0-1.0	12/06/2024 16:05	
MJNL83	MJNL83	Sediment/ MM	Grab	ICP-MS(21)	1595 (< 6 C) (1)	OU6-CS-YB20-1.0-1.8	12/06/2024 16:10	
MJNLG1	MJNLG1	Water/ HH,MM	Grab	ICP-MS(21)	1679 (HNO3 pH<2) (1)	OU6-NA-EB-001	12/09/2024 10:20	
MJNLH5	MJNLH5	Sediment/ SB	Composite	TCLP-Metals(21)	1245 (< 6 C) (1)	OU6-CS-NA3-0.0-1.0	12/06/2024 12:35	✓

Sample(s) to be used for Lab QC: MJNKK5 Tag 1387 - Special Instructions: TCLP (As, Ba, Cd, Cr,Pb,Se,Ag) PLUS TCLP Hg

05434861 0543487

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

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

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	CS Jacobs	12/10/24 15:00	DR	12-10-24 9:40	ZK-Burns 2.1
					Custody Seal Intact
					Temp Blank Present

No: 10-121024-144805-0013

Lab Contact: Mohammad Ahmed

Lab Phone: 908-728-3151

[illegible]

Sample(s) to be used for Lab QC: MJNL72 Tag 1584, MJNL92 Tag 1240 - Special Instructions: TCLP (As, Ba, Cd, Cr,Pb,Se,Ag)
PLUS

0543483, 0543484

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

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

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	CH Jacobs	12/01/15	AK	12-11-14 9:40	FR-Paraffin 2.0's
					Custody Seal Intact
					Top Blot Present

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>3</u>
Received By (Print Name) <u>Capanova Pena</u>		Log-in Date 12/6/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51821	SDG No. MJNLH1	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>0543496,0543497</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>770530893078</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.1</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>12/06/2024</u>
12. Time Received	<u>10:10</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MJNLH1	N/A	1241	P5169-01	Intact
2	MJNLH2	N/A	1242	P5169-02	Intact
3	N/A	N/A	N/A	N/A	N/A
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. N/A
Date <u>12/6/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>2</u> of <u>3</u>
Received By (Print Name) <u>Casparava Rene</u>		Log-in Date 12/11/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51821	SDG No. MJNLH1	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>0543486,0543487</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>770654176396</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.1</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>12/11/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MJNLH5	N/A	1245	P5169-03	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
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. N/A
Date <u>12/11/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>3</u>
Received By (Print Name) <u>GORDON NEWMAN</u>		Log-in Date 12/11/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51821	SDG No. MJNLH1	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>0543483,0543484</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>770655945660</u> <u>3</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.0</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>12/11/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MJNLH4	N/A	1244	P5169-04	Intact
2	MJNLH4D	N/A	1244	P5169-05	Intact
3	MJNLH4S	N/A	1244	P5169-06	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. N/A
Date <u>12/12/24</u>	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.	MJNLH1
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	4	✓	
3. Sample Log-In Sheet (DC-1)	5	7	✓	
4. CSF Inventory Sheet (DC-2)	8	10	✓	
5. SDG Narrative	11	13	✓	
6. Communication Logs	14	20	✓	
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	21	24	✓	
9. Instrument raw data by instrument in analysis order	25	117	✓	

Other Data

10. Standard and Reagent Preparation Logs	118	253	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	254	255	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	256	257	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	258	261	✓	
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	✓	

	PAGE NOS:		CHECK	
	FROM	TO	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	262	265	✓	
27 . Instrument raw data by instrument in analysis order	266	267	✓	

Other Data

28 . Standard and Reagent Preparation Logs	268	312	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	313	314	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	315	316	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32 . Extraction Logs for TCLP and SPLP	317	320	✓	
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 3)

Sample Tags

Sample Log-In Sheet (Lab)

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

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

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

48. Comments:

Completed by:
(CLP Lab)

(Signature)

Nimisha Pandya, Document Control Officer

(Print Name & Title)

(Date)

Audited by:
(EPA)

(Signature)

(Print Name & Title)

(Date)

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
321	323	✓	
NA	NA	✓	
324	324	✓	
NA	NA	✓	
325	326	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MJNLH1

CASE # 51821

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P5169

A. Number of Samples and Date of Receipt

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

B. Parameters

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

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.1°C, 2.0°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: There is no sample designated for laboratory QC for TCLP analyses in SDG MJNLH1. The laboratory has selected sample MJNLH4 for laboratory QC for TCLP Metals and Hg, and confirms that the sample is not a PT, blank, or rinsate sample.

Issue 3: The COC indicates PRs are required for all samples, but per scheduling there are no PRs requested for this Case. Please advise on how the laboratory may proceed.

Issue 4: Samples under this Case are scheduled for TCLP ICP-AES 5-10 Metals and TCLP Hg, but the COC only indicates TCLP ICP-AES 5-10 Metals for CLP sample numbers MJNLH1 and MJNLH2.



**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, preliminary results were inadvertently included on the COC but are not needed for this project. Please proceed with the scheduled 21-day TAT. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

Resolution 4: Per Region 10, the laboratory should proceed with TCLP ICP-AES 5-10 Metals and TCLP Hg as scheduled for CLP sample numbers MJNLH1 and MJNLH2. 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 TCLP 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_f = Final digestion volume (mL)

V_i = Initial aliquot amount (mL) (Sample amount taken in prep)

DF = Dilution Factor

Example Calculation For Sample MJNLH1 For Barium:

If C = 0.4375750 ppm

V_f = 50 ml

V_i = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.4375750 \times \frac{50}{50} \times 1 \times 1000$$



**284 Sheffield Street
Mountainside, NJ 07092**

$$= 437.5750 \text{ } \mu\text{g/L}$$

$$= 440 \text{ } \mu\text{g/L (Reported Result with Signification)}$$

Calculation for Hg TCLP Sample:

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

Where,

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

DF = Dilution Factor

Example Calculation for Mercury for sample MJNLH5:

$$\text{If } C = 0.8627 \text{ ppb}$$

$$DF = 1$$

$$\text{Concentration or Result (}\mu\text{g/L)} = 0.8627 \times 1$$

$$= 0.8627 \text{ } \mu\text{g/L}$$

$$= 0.86 \text{ } \mu\text{g/L (Reported Result with Signification)}$$

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 except for Silver. 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, December 06, 2024 3:09 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 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL
Attachments: 51821-COC.pdf

This is the first time you received an email from this sender (Casey.Shaeffer@gdit.com). 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 from Region 10. Please note the added issue/resolution 2.

Discrepancies with tags, jars, and/or COC

Issue 1: The COC indicates PRs are required for all samples, but per scheduling there are no PRs requested for this Case. Please advise on how the laboratory may proceed.

Resolution 1: Per Region 10, preliminary results were inadvertently included on the COC but are not needed for this project. Please proceed with the scheduled 21-day TAT. Please note the issue in the SDG Narrative and proceed with analysis of the samples.

Issue 2: Samples under this Case are scheduled for TCLP ICP-AES 5-10 Metals and TCLP Hg, but the COC only indicates TCLP ICP-AES 5-10 Metals for CLP sample numbers MJNLH1 and MJNLH2.

Resolution 2: Per Region 10, the laboratory should proceed with TCLP ICP-AES 5-10 Metals and TCLP Hg as scheduled for CLP sample numbers MJNLH1 and MJNLH2. 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: Friday, December 6, 2024 3:06 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

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

Hi Casey,

Yes, that's correct!

Thanks,
Meghan

From: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Sent: Friday, December 6, 2024 12:03 PM
To: 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

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Good afternoon,

Thank you, Meghan! I would just like to confirm that CLP sample number MJNLH1 and MJNLH2, per the COC, should be analyzed for both TCLP ICP-AES 5-10 Metals and TCLP Hg?

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

Leave Alert: December 24, 2024

From: Dunn, Meghan (she/her/hers) <dunn.meghan@epa.gov>
Sent: Friday, December 6, 2024 2:48 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

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Hi Casey,

The sampler accidentally included preliminary results for these samples No preliminary results are needed for this project. Please proceed with the 21 day TAT.

By the way: the COC may not have been very obvious, the TCLP analysis requested on the COC includes mercury (by CVAA) in addition to the 7 metals scheduled with ICP-AES.

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, December 6, 2024 11:34 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

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Good afternoon,

Please see the below issue from ACE.

Issue: The COC indicates PRs are required for all samples, but per scheduling there are no PRs requested for this Case. Please advise on how the laboratory may proceed.

Thank you,

Casey Shaeffer

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 4 & 10
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Chantilly, VA 20151
www.gdit.com



Leave Alert: December 24, 2024

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, December 6, 2024 1:52 PM
To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good afternoon,

As per ASR PR is not schedule for this case however on COC PR mentioned for all samples . There for Lab like to know how to proceed ?

Please see attachment for your reference.

Thanks & Regards,



Deepak Parmar

QA/QC

An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3154

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

www.alliancetg.com



From: Shaeffer, Casey <Casey.Shaeffer@gdit.com>
Sent: Thursday, December 12, 2024 3:47 PM
To: Sohil Jodhani; Mohammad Ahmed; Deepak Parmar
Cc: Johnson, Matthew; Bauer, Heather E; Dunn, Meghan (she/her/hers; Reece, Caitlin
Subject: Region 10 | Case 51821 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC | FINAL
Attachments: P5169-COC.pdf

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Good afternoon,

Please see the below resolution.

Issue: There is no sample designated for laboratory QC for TCLP analyses in SDG MJNLH1. The laboratory has selected sample MJNLH4 for laboratory QC for TCLP 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

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



Leave Alert: December 24, 2024

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Thursday, December 12, 2024 2:34 PM
To: Shaeffer, Casey <Casey.Shaeffer@gdit.com>

Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>

Subject: Region 10 | Case 51821 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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

Good afternoon,

Issue 1 : one SDG MJNLH1 for TCLP ICP METALS and TCLP HG is open without lab QC. However, a sample was not designated for Laboratory QC. Lab like to use samples MJNLH4for 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

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