

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
Lab Code: ACE Case No.: 51835 MA No.: \_\_\_\_\_ SDG No.: MBH6M7  
SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MBH6M7</u>	<u>P4623-01</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6M8</u>	<u>P4623-02</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6M9</u>	<u>P4623-03</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N0</u>	<u>P4623-04</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N1</u>	<u>P4623-05</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH8M6</u>	<u>P4623-06</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N2</u>	<u>P4623-07</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N3</u>	<u>P4623-08</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N4</u>	<u>P4623-09</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N5</u>	<u>P4623-10</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N6</u>	<u>P4623-11</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N6D</u>	<u>P4623-12</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N6S</u>	<u>P4623-13</u>	<u>X</u>	<u></u>	<u>X</u>	<u>X</u>
<u>MBH6N7</u>	<u>P4623-14</u>	<u>X</u>	<u></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 # MBH6M7

## USEPA CLP COC (LAB COPY)

## CHAIN OF CUSTODY RECORD

No: 2-1029-0300-0041-03

Date Shipped: 10/29/2024

Lab: Alliance Technical Group, LLC - CLP

Carrier Name: Hand Deliver

Lab Contact: Mohammad Ahmed

Airbill No: N/A

Case #: 51835  
Cooler #: 1

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
P001-CF07-01	BH6M7	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1723 (4 C), 1727 (4 C) (3)	CF07	10/29/2024 10:10	
P001-CF08-01	BH6M8	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1731 (4 C), 1735 (4 C) (3)	CF08	10/29/2024 10:15	
P001-CF09-01	BH6M9	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1739 (4 C), 1743 (4 C) (3)	CF09	10/29/2024 10:20	
P001-CF10-01	BH6N0	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1747 (4 C), 1751 (4 C) (3)	CF10	10/29/2024 10:30	
P001-CF11-01	BH6N1	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1755 (4 C), 1759 (4 C) (3)	CF11	10/29/2024 10:40	
P001-CF06-01	BH6M6	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1382 (4 C), 1627 (4 C) (3)	CF06	10/29/2024 10:05	
P001-CF07-01	MBH6M7	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1724 (4 C), 1728 (4 C) (3)	CF07	10/29/2024 10:10	1
P001-CF08-01	MBH6M8	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1732 (4 C), 1736 (4 C) (3)	CF08	10/29/2024 10:15	2
P001-CF09-01	MBH6M9	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1740 (4 C), 1744 (4 C) (3)	CF09	10/29/2024 10:20	3
P001-CF10-01	MBH6N0	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1748 (4 C), 1752 (4 C) (3)	CF10	10/29/2024 10:30	4

## Special Instructions:

Analysis Key: SPLP SVOC + Pest=SPLP SVOCs + Pesticides, TAL SVOCs+Pest+PCB=TAL SVOC+Pest+PCB, SPLP Metals + Hg=SPLP Metals + Hg&amp;CN, TAL Metals+Hg+CN=TAL Metals+Hg+CN

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL ANALYSES	WESTON SOLUTIONS <i>Mohammad</i>	10/29/24 1448	<i>[Signature]</i>	10-29-24 1500	IR Gun #1
					Temp 24.4 C
					Custody Seal intact
					Temp blank present

**No: 2-1029-0300-0041-03**

Lab: Alliance Technical Group, LLC - CLP

**Lab Contact: Mohammad Ahmed**

Lab Phone: 908-728-3151


[illegible]

**Special Instructions:**

**Shipment for Case Complete? N**

### Samples Transferred From Chain of Custody #

Analysis Key: SPLP SVOC + Pest=SPLP SVOCs + Pesticides, TAL SVOCs+Pest+PCB=TAL SVOC+Pest+PCB, SPLP Metals + Hg=SPLP Metals + Hg&CN, TAL Metals+Hg+CN=TAL Metals+Hg+CN

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
McMILLANS	WESTON SOLUTIONS <i>Wm Weston</i>	10/24/24 1440		1500 10-29-24	IR Gun # 1
					Temp 24 C
					custody seal intact
					Temp blank ACS 500

## USEPA CLP COC (LAB COPY)

## CHAIN OF CUSTODY RECORD

No: 2-1029-0300-0041-04

Date Shipped: 10/29/2024

Lab: Alliance Technical Group, LLC - CLP

Carrier Name: Hand Deliver

Lab Contact: Mohammad Ahmed

Airbill No: N/A

Case #: 51835  
Cooler #: 1


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
P001-CF12-01	BH6N2	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1763 (4 C), 1767 (4 C) (3)	CF12	10/29/2024 10:45	
P001-CF13-01	BH6N3	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1771 (4 C), 1775 (4 C) (3)	CF13	10/29/2024 10:50	
P001-CF14-01	BH6N4	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1779 (4 C), 1783 (4 C) (3)	CF14	10/29/2024 10:55	
P001-CF15-01	BH6N5	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1787 (4 C), 1791 (4 C) (3)	CF15	10/29/2024 11:00	
P001-CF16-01	BH6N6	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1795 (4 C), 1799 (4 C) (4)	CF16	10/29/2024 11:05	
P001-CF16-02	BH6N7	Soil/ START V	Grab	SPLP SVOC + Pest(7), TAL SVOCs+Pest+PCB(7)	1803 (4 C), 1807 (4 C) (3)	CF16	10/29/2024 11:10	
P001-CF12-01	MBH6N2	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1764 (4 C), 1768 (4 C) (3)	CF12	10/29/2024 10:45	7
P001-CF13-01	MBH6N3	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1772 (4 C), 1776 (4 C) (3)	CF13	10/29/2024 10:50	8
P001-CF14-01	MBH6N4	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1780 (4 C), 1784 (4 C) (3)	CF14	10/29/2024 10:55	9
P001-CF15-01	MBH6N5	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1788 (4 C), 1792 (4 C) (3)	CF15	10/29/2024 11:00	10

Sample(s) to be used for Lab QC: P001-CF16-01 Tag 1795, P001-CF16-01 Tag 1799, P001-CF16-01 Tag 1796, P001-CF16-01 Tag 1800

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

Analysis Key: SPLP SVOC + Pest=SPLP SVOCs + Pesticides, TAL SVOCs+Pest+PCB=TAL SVOC+Pest+PCB, SPLP Metals + Hg=SPLP Metals + Hg&amp;CN, TAL Metals+Hg+CN=TAL Metals+Hg+CN

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL ANALYSIS	WESTON SOLUTIONS ANALYST	10/29/24 10:40		10-29-24 1500	IR Gun #1
					Temp 2.8°C
					Custody Seal intact
					Temp blank present

**No: 2-1029-0300-0041-04**

Lab: Alliance Technical Group LLC - CIP

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
P001-CF16-01	MBH6N6	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1796 (4 C), 1800 (4 C) (6)	CF16	10/29/2024 11:05	11 ✓
P001-CF16-02	MBH6N7	Soil/ START V	Grab	SPLP Metals + Hg(7), TAL Metals+Hg+CN(7)	1804 (4 C), 1808 (4 C) (3)	CF16	10/29/2024 11:10	12 ✓

Sample(s) to be used for Lab QC: P001-CF16-01 Tag 1800

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

Analysis Key: SPLP SVOCs + Pest=SPLP SVOCs + Pesticides, TAL SVOCs+Pest+PCB=TAL SVOC+Pest+PCB, SPLP Metals + Hg&CN, TAL Metals+Hg+CN=TAL Metals+Hg+CN

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL ANALYSES	WESTON SOLUTIONS Inc. WUPR	4/24/24 1440		1500 4-29-24	IR Gun #1
					Temp 2.8°C
					custody seal intact
					Temp blank Present

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>2</u>
Received By (Print Name) <u>Benjamin Lee</u>		Log-in Date <b>10/29/2024</b>
Received By (Signature) <u>[Signature]</u>		
Case Number 51835	SDG No. MBH6M7	MA No. N/A

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	Absent
5. Airbill No. and Shipping Container ID No.	<u>HAND DELIVERED</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.4</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>10/29/2024</u>
12. Time Received	<u>15:00</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBH6M7	N/A	1724	P4623-01	Intact
2	MBH6M8	N/A	1732	P4623-02	Intact
3	MBH6M9	N/A	1740	P4623-03	Intact
4	MBH6N0	N/A	1748	P4623-04	Intact
5	MBH6N1	N/A	1756	P4623-05	Intact
6	MBH8M6	N/A	1384	P4623-06	Intact
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>10/29/24</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>2</u>
Received By (Print Name) <u>Carolina R.</u>		Log-in Date <b>10/29/2024</b>
Received By (Signature) <u>[Signature]</u>		
Case Number 51835	SDG No. MBH6M7	MA No. N/A

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	Absent
5. Airbill No. and Shipping Container ID No.	<u>HAND DELIVERED</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.8</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>10/29/2024</u>
12. Time Received	<u>15:00</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBH6N2	N/A	1764	P4623-07	Intact
2	MBH6N3	N/A	1772	P4623-08	Intact
3	MBH6N4	N/A	1780	P4623-09	Intact
4	MBH6N5	N/A	1788	P4623-10	Intact
5	MBH6N6	N/A	1796	P4623-11	Intact
6	MBH6N6D	N/A	1796	P4623-12	Intact
7	MBH6N6S	N/A	1796	P4623-13	Intact
8	MBH6N7	N/A	1804	P4623-14	Intact
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>10/29/24</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.	51835	SDG NO.	MBH6M7
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	5	✓	
3. Sample Log-In Sheet (DC-1)	6	7	✓	
4. CSF Inventory Sheet (DC-2)	8	10	✓	
5. SDG Narrative	11	14	✓	
6. Communication Logs	15	19	✓	
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	20	31	✓	
9. Instrument raw data by instrument in analysis order	32	251	✓	

**Other Data**

10. Standard and Reagent Preparation Logs	252	397	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	398	399	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	400	412	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	413	416	✓	
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	417	428	✓	
27 . Instrument raw data by instrument in analysis order	429	430	✓	

#### Other Data

28 . Standard and Reagent Preparation Logs	431	462	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	463	464	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	465	466	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32 . Extraction Logs for TCLP and SPLP	467	470	✓	
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	471	482	✓	
36 . Instrument raw data by instrument in analysis order	483	485	✓	

#### Other Data

37 . Standard and Reagent Preparation Logs	486	518	✓	
38 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	519	520	✓	
39 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	521	522	✓	
40 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
41 . Extraction Logs for TCLP and SPLP	523	526	✓	
42 . Raw GPC Data	NA	NA	✓	
43 . Raw Florisil Data	NA	NA	✓	

**Additional**

## 44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 0 )

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)Audited by:  
(EPA)

Nimisha Pandya, Document Control Officer

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
NA	NA	✓	
NA	NA	✓	
527	528	✓	
NA	NA	✓	
529	531	✓	
NA	NA	✓	



**284 Sheffield Street  
Mountainside, NJ 07092**

## **SDG NARRATIVE**

**USEPA**

**SDG # MBH6M7**

**CASE # 51835**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

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

**LAB CODE: ACE**

**LAB ORDER ID #P4623**

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

12 Soil samples were delivered to the laboratory intact on 10/29/2024.

### **B. Parameters**

Test requested for SPLP MetalGroup3 = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, & SPLP Hg & SPLP Cyanide.

### **C. Cooler Temp**

Indicator Bottle: Presence/Absence

Cooler: 2.4°C, 2.8°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 attached COCs lists a 7-day TAT, but a 14-day TAT is scheduled for this Case.

### **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 2, the laboratory should note the issue in the SDG Narrative and proceed with the analysis of the samples as scheduled (14-day TAT).



**284 Sheffield Street  
Mountainside, NJ 07092**

#### **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 MBH6M7 For Arsenic:**

$$\text{If } C = 0.0411259 \text{ ppm}$$

$$V_f = 50 \text{ ml}$$

$$V_i = 50 \text{ ml}$$

$$\text{DF} = 1$$

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.0411259 \times \frac{50}{50} \times 1 \times 1000$$

$$= 41.1259 \mu\text{g/L}$$

$$= 41 \mu\text{g/L} \text{ (Reported Result with Signification)}$$

##### **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 Sample MBH6M7:**

$$\begin{aligned}\text{If } C &= 0.0973 \text{ ppb} \\ DF &= 1\end{aligned}$$

$$\begin{aligned}\text{Concentration or Result } (\mu\text{g/L}) &= 0.0973 \times 1 \\ &= 0.0973 \mu\text{g/L} \\ &= 0.097 \mu\text{g/L} \text{ (Reported Result with Signification)}\end{aligned}$$

**Calculation for CN Water Sample:**

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

Where,

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

$V_f$  = Final prepared (absorbing solution) volume (mL)

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

$DF$  = Dilution Factor

**Example Calculation:**

$$\begin{aligned}\text{If } C &= 7.2182 \text{ ppb} \\ V_f &= 50 \text{ ml} \\ V_i &= 50 \text{ ml} \\ DF &= 1\end{aligned}$$

$$\begin{aligned}\text{Concentration or Result } (\mu\text{g/L}) &= 7.2182 \times \frac{50}{50} \times 1 \\ &= 7.2182 \mu\text{g/L} \\ &= 7.2 \mu\text{g/L} \text{ (Reported Result with Signification)}\end{aligned}$$

**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 except for SPLP Mercury. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

Samples receive as soil but as per ASR process for SPLP and forms are reported with water.



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Mountainside, NJ 07092**

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:** Bett, Daisy <Daisy.Bett@gdit.com>  
**Sent:** Wednesday, October 30, 2024 11:51 AM  
**To:** Deepak Parmar; Sohil Jodhani; Mohammad Ahmed  
**Cc:** Leung.christina@epa.gov; Brandon-Bazile, Kim; Feranda, Jennifer; Bauer, Heather E; Johnson, Matthew  
**Subject:** Region 02 | Case 51835 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL  
**Attachments:** SKM\_95824102915230.pdf

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Secured by Check Point

Good morning,

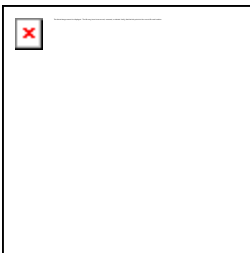
Issue: The attached COCs lists a 7-day TAT, but a 14-day TAT is scheduled for this Case.

Resolution: Per Region 2, the laboratory should note the issue in the SDG Narrative and proceed with the analysis of the samples as scheduled (14-day TAT).

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

Thank you,  
Daisy Bett  
Research Analyst Associate  
GDIT Federal Civilian Division  
EPA Region 2&3 CLP QSS Coordinator  
*Under contract to the EPA*

T: 571.454.0186  
[daisy.bett@gdit.com](mailto:daisy.bett@gdit.com)  
15036 Conference Center Drive  
Chantilly, VA 20151  
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**From:** Leung, Christina (she/her/hers) <Leung.Christina@epa.gov>  
**Sent:** Wednesday, October 30, 2024 9:38 AM  
**To:** Bett, Daisy <Daisy.Bett@gdit.com>  
**Cc:** Feranda, Jennifer <Feranda.Jennifer@epa.gov>; Brandon-Bazile, Kim <Brandon-Bazile.Kim@epa.gov>  
**Subject:** RE: Region 02 | Case 51835 | 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 Daisy,

Sampler is OK with 14 day TAT now, please proceed with analysis with 14 day TAT.  
Apologies for the unnecessary back and forth.

Regards,

Christina Leung

Regional Sample Control Center (RSCC)

USEPA Region 2

LSASD-HWSB-HWSS

732-906-6995

[Leung.christina@epa.gov](mailto:Leung.christina@epa.gov)

Updated CLPSS Address: <https://clpss.epa.gov/uaa/login>

---

**From:** Bett, Daisy <[Daisy.Bett@gdit.com](mailto:Daisy.Bett@gdit.com)>  
**Sent:** Wednesday, October 30, 2024 9:37 AM  
**To:** Leung, Christina (she/her/hers) <[Leung.Christina@epa.gov](mailto:Leung.Christina@epa.gov)>  
**Cc:** Feranda, Jennifer <[Feranda.Jennifer@epa.gov](mailto:Feranda.Jennifer@epa.gov)>; Brandon-Bazile, Kim <[Brandon-Bazile.Kim@epa.gov](mailto:Brandon-Bazile.Kim@epa.gov)>  
**Subject:** RE: Region 02 | Case 51835 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good morning Christina,

Would the Region please confirm whether the 7-day TAT change would need to be applied for all organic samples. Please note that the SPLP analyses cannot be scheduled with a 7-day TAT.

Thank you,

Daisy Bett

Research Analyst Associate

GDIT Federal Civilian Division

EPA Region 2&3 CLP QSS Coordinator



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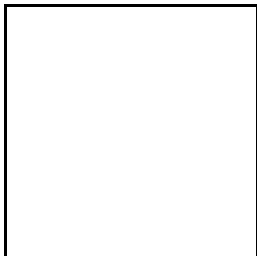
T: 571.454.0186

[daisy.bett@gdit.com](mailto:daisy.bett@gdit.com)

15036 Conference Center Drive

Chantilly, VA 20151

[www.gdit.com](http://www.gdit.com)



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---

**From:** Leung, Christina (she/her/hers) <[Leung.Christina@epa.gov](mailto:Leung.Christina@epa.gov)>

**Sent:** Tuesday, October 29, 2024 6:57 PM

**To:** Bett, Daisy <[Daisy.Bett@gdit.com](mailto:Daisy.Bett@gdit.com)>

**Cc:** Feranda, Jennifer <[Feranda.Jennifer@epa.gov](mailto:Feranda.Jennifer@epa.gov)>; Brandon-Bazile, Kim <[Brandon-Bazile.Kim@epa.gov](mailto:Brandon-Bazile.Kim@epa.gov)>

**Subject:** RE: Region 02 | Case 51835 | 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 Daisy,

Per the sampler, would it be possible to change the TAT from 14 days to 7 days?

Regards,

Christina Leung

Regional Sample Control Center (RSCC)

USEPA Region 2

LSASD-HWSB-HWSS

732-906-6995

[Leung.christina@epa.gov](mailto:Leung.christina@epa.gov)

Updated CLPSS Address: <https://clpss.epa.gov/uaa/login>

---

**From:** Bett, Daisy <[Daisy.Bett@gdit.com](mailto:Daisy.Bett@gdit.com)>  
**Sent:** Tuesday, October 29, 2024 5:30 PM  
**To:** Leung, Christina (she/her/hers) <[Leung.Christina@epa.gov](mailto:Leung.Christina@epa.gov)>  
**Cc:** Feranda, Jennifer <[Feranda.Jennifer@epa.gov](mailto:Feranda.Jennifer@epa.gov)>; Brandon-Bazile, Kim <[Brandon-Bazile.Kim@epa.gov](mailto:Brandon-Bazile.Kim@epa.gov)>  
**Subject:** Region 02 | Case 51835 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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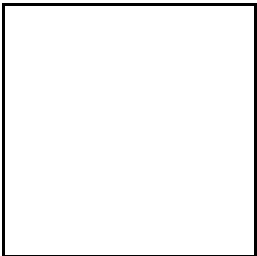
Good afternoon,

Please see the below issue from ACE.

Issue: The attached COCs lists a 7-day TAT, but a 14-day TAT is scheduled for this Case.

Thank you,  
Daisy Bett  
Research Analyst Associate  
GDIT Federal Civilian Division  
EPA Region 2&3 CLP QSS Coordinator  
*Under contract to the EPA*

T: 571.454.0186  
[daisy.bett@gdit.com](mailto:daisy.bett@gdit.com)  
15036 Conference Center Drive  
Chantilly, VA 20151  
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---

**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>  
**Sent:** Tuesday, October 29, 2024 4:11 PM  
**To:** Bett, Daisy <[Daisy.Bett@gdit.com](mailto:Daisy.Bett@gdit.com)>  
**Cc:** Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>  
**Subject:** Region 02 | Case 51835 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good afternoon,

As per ASR case 51835 is 14 days TAT but all COC received today for this case mentioned 7 days TAT there for lab would like to confirm they should proceed with analysis ?

Please see attachment for your reference.

**Thanks & Regards,**



**Deepak Parmar**

QA/QC

**An Alliance Technical Group Company**

**Main:** 908-789-8900

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

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