

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51900 MA No.: 3114.1 SDG No.: ME2931  
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method			
		ICP-AES	ICP-MS	Mercury	Cyanide
ME2931	Q1176-01		X	X	X
ME2933	Q1176-02		X	X	X
ME2937	Q1176-03		X	X	X
ME2945	Q1176-04		X	X	X
ME2942	Q1176-05		X	X	X
ME2943	Q1176-06		X	X	X
ME2940	Q1176-07		X	X	X
ME2941	Q1176-08		X	X	X
ME2944	Q1176-09		X	X	X
ME2944D	Q1176-10		X	X	X
ME2944S	Q1176-11		X	X	X
ME2938	Q1176-12		X	X	X
ME2939	Q1176-13		X	X	X
ME2932	Q1176-14		X	X	X
ME2936	Q1176-15		X	X	X
ME2934	Q1176-16		X	X	X
ME2935	Q1176-17		X	X	X
ME2950	Q1176-18		X	X	X
ME2951	Q1176-19		X	X	X
ME2953	Q1176-20		X	X	X
ME2954	Q1176-21		X	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: \_\_\_\_\_



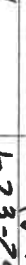
**No: 5-012225-085127-0322**

**Lab: Alliance Technical Group LLC**  
**Lab Contact: Mohammad Ahmed**  
**Lab Phone: 908-789-8900**

[illegible]

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

**Analysis Key:** SV/SIM=Semivolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11 + Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 Alex	11/21/25 18:30	 OPS	11/21/25 18:30	1.0" in front
			 OPS	1-23-25 10:18 AM	custody seals intact
					True 200.0055555

**No: 5-012225-093753-0323**




Lab: Alliance Technical Group LLC  
Lab Contact: Mohammed Ahmed

**Lab Phone: 908-789-8900**

[illegible]

**Shipment for Case Complete? N**

Analysis Key: SVSIM=SemiVolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 Alexei	11/21/25 16:30	 JPS	11/21/25 18:30	
				1-23-25 1018	1.4C DL you ID custody seals intact Temp BGL - present

**No: 5-012225-102411-0324**

**Lab: Alliance Technical Group LLC**  
**Lab Contact: Mohammad Ahmed**  
**Lab Phone: 908-789-8900**

[illegible]

Special Instructions: Please return cooler with enclosed airbill ASAP (1Z93947Y0311555215).

**Shipment for Case Complete? N**

[illegible]

Analysis Key: SVSIM=Semi-volatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[Signature] Plexus	11/21/25 18:30	[Signature] UPS	11/21/25 19:30	1.5"
				1-23-25 1018	IL #100 #1 custody over packet IS no ill-effects

**No: 5-012225-103237-0325**

Lab: Alliance Technical Group LLC  
Lab Contact: Mohammad Ahmed

**Lab Phone: 908-789-8900**




[illegible]

**Special Instructions:** Please return cooler with enclosed airbill ASAP (1Z93947Y0302540828)

**Shipment for Case Complete? N**

### Samples Transferred From Chain of Custody #

**Analysis Key:** SV/SIM=SemiVolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 Alexus	11/22/25 18:30	 UPS	11/22/25 18:30	—
				10/18 1-23-25	AP Burnt 1 2.1 Customary Seal Intake Ting Pink me

IP-Bun #1 2.1  
Custom Seal Intake  
Trop Pink meat




No: 5-012225-104215-0326

**Lab: Alliance Technical Group LLC**  
**Lab Contact: Mohammad Ahmed**  
**Lab Phone: 908-789-8900**

[illegible]

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

**Analysis Key:** SVSIN=Semivolatiles + SIM, 1,4-DSIN=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, IC<sub>P</sub>-MS+HG+HARD=IC<sub>P</sub>-MS 11+ Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		11/22/25 18:30		11/22/25 18:30	IF-Gen #1 1.9.5 Custom Seal Filled
				10/18 1-23-25	Temp Blat present

**No: 5-012225-105514-0327**

**Lab: Alliance Technical Group LLC**  
**Lab Contact: Mohammad Ahmed**

Lab Phone: 908-789-8900

[illegible]

**Special Instructions:** Please return cooler with enclosed airbill ASAP (1Z933947Y0310191440).

**Shipment for Case Complete? N**

### Samples Transferred From Chain of Custody #

**Analysis Key:** SV/SIM=SemiVolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[Signature] Pleus	11/21/25 18:30	DQS [Signature]	11/21/25 18:30	IBG-# 1 2.3
					Custody Seal Intact Temp Blank Passes



No: 5-012225-110223-0328

**Lab: Alliance Technical Group LLC**

**Lab Phone: 908-789-8900**

[illegible][illegible]

Analysis Key: SVS=SemiVolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+Hg+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 P. Lewis	11/22/15 18:30	 JRS	11/22/15 18:30	1.1°C JPL GNV #1 custody seals intact TEMP GIVE AWAY



**No: 5-012225-11109-0329**

**Lab: Alliance Technical Group LLC**

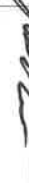


**Lab Phone: 908-789-8900**

[illegible]

**Special Instructions:** Please return cooler with enclosed airbill ASAP (1Z93947Y0301841264).

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

Analysis Key: SVSIM=SemiVolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+Hg+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 Alexus	11/22/15 14:30	 JRS	11/22/15 18:30	
				10:18 1-23-25	2 of 20 units 1 2.0" custody sent intact
					Temp blk presnt

**No: 5-012325-104016-0333**

**Lab: Alliance Technical Group LLC**





**Lab Phone: 908-789-8900**

[illegible]

**Special Instructions: Please return cooler with enclosed airbill ASAP (1Z93947Y0319034497).**

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

**Analysis Key:** SVS=Semivolatiles + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11 + Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 Alexus	11/23/25 18:30	 URS	11/23/25 18:30	
				10:20 1-24-25	CP Cont #1 2.1.1 Autopsy Seal Intact
					Turn Plant Over...

**No: 5-012325-104545-0334**





**Lab: Alliance Technical Group LLC**  
**Lab Contact: Mohammad Ahmed**  
**Lab Phone: 908-789-8900**

[illegible]

**Special Instructions:** Please return cooler with enclosed airbill ASAP (1Z93947Y0312146503).

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

**Analysis Key:** SVSIM=Semi-variables + SIM, 1,4-DSIM=1,4-Dioxane by SIM, PEST=Pesticides, ARO=Aroclors, CN=Cyanide, ICP-MS+HG+HARD=ICP-MS 11+ Metals+HG+Hardness

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 Plaintiff	11/23/12 12.30	 Defendant	11/23/12 12.30	IR Car # 1 1.8
				1-24-25	Custody Seat Extract Ting Black Box

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>10</u>
Received By (Print Name) <u>Assana Rere</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0132394881</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.8</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>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2931	1.0,12	5012,13	Q1176-01	Intact
2	ME2933	1.0,12	5019,20	Q1176-02	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>2</u> of <u>10</u>
Received By (Print Name) <u>Cassandra Rios</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number 51900	SDG No. ME2931	MA No. 3114.1

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0131614297</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.4</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>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2937	1.0,12	5054,55	Q1176-03	Intact
2	ME2945	1.0,12	5124,25	Q1176-04	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>1/24/25</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>10</u>
Received By (Print Name) <u>Cassandra Reie</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0128218909</u> <u>3</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.5</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2942	1.0,12	5096,97	Q1176-05	Intact
2	ME2943	1.0,12	5103,04	Q1176-06	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>4</u> of <u>10</u>
Received By (Print Name) <u>Stephanie Lee</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0124752713</u> <u>4</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>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2940	1.0,12	5082,83	Q1176-07	Intact
2	ME2941	1.0,12	5089,90	Q1176-08	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>5</u> of <u>10</u>
Received By (Print Name) <u>Cassanova</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) _____		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0139439721</u> <u>5</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.9</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2944	1.0,12	5110,11	Q1176-09	Intact
2	ME2944D	1.0,12	5110,11	Q1176-10	Intact
3	ME2944S	1.0,12	5110,11	Q1176-11	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

\* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>



FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>6</u> of <u>10</u>
Received By (Print Name) <u>Cassanova</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0135783937</u> <u>6</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.3</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2938	1.0,12	5068,69	Q1176-12	Intact
2	ME2939	1.0,12	5075,76	Q1176-13	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>7</u> of <u>10</u>
Received By (Print Name) <u>Esperanza Peña</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0124169345</u> <u>7</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.1</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>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2932	1.0,12	5026,27	Q1176-14	Intact
2	ME2936	1.0,12	5047,48	Q1176-15	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>8</u> of <u>10</u>
Received By (Print Name) <u>Sagana Rera</u>		Log-in Date <b>1/23/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0135459958</u> <u>8</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>01/23/2025</u>
12. Time Received	<u>10:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2934	1.0,12	5033,34	Q1176-16	Intact
2	ME2935	1.0,12	5040,41	Q1176-17	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>9</u> of <u>10</u>
Received By (Print Name) <u>Lagana River</u>		Log-in Date <b>1/24/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51900</b>	SDG No. <b>ME2931</b>	MA No. <b>3114.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0138212771</u> <u>9</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>01/24/2025</u>
12. Time Received	<u>10:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2950	1.0,12	5184,85	Q1176-18	Intact
2	ME2951	1.0,12	5191,92	Q1176-19	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. <b>N/A</b>
Date <u>1/24/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>10</u> of <u>10</u>
Received By (Print Name) <u>Carolina</u>		Log-in Date <b>1/24/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number 51900	SDG No. ME2931	MA No. 3114.1

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>1Z93947Y0124202987</u> <u>10</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.8</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>01/24/2025</u>
12. Time Received	<u>10:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME2953	1.0,12	5198,99	Q1176-20	Intact
2	ME2954	1.0,12	5205,06	Q1176-21	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>1/24/25</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.	51900	SDG NO.	ME2931
MA NO.	3114.1	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	11	✓	
3. Sample Log-In Sheet (DC-1)	12	21	✓	
4. CSF Inventory Sheet (DC-2)	22	24	✓	
5. SDG Narrative	25	30	✓	
6. Communication Logs	31	38	✓	
7. Percent Solids Log	NA	NA	✓	
<b>Analysis Forms and Data (ICP-AES)</b>				
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	✓	
<b>Other Data</b>				
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	✓	
<b>Analysis Forms and Data (ICP-MS)</b>				
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	39	57	✓	
18. Instrument raw data by instrument in analysis order	58	601	✓	
<b>Other Data</b>				
19. Standard and Reagent Preparation Logs	602	742	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	743	744	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	745	749	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	<u>PAGE NOS:</u>		<u>CHECK</u>	
	<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>REGION</u>
23 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
24 . Raw GPC Data	NA	NA	✓	
25 . Raw Florisil Data	NA	NA	✓	

#### Analysis Forms and Data (Mercury)

26 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	750	768	✓	
27 . Instrument raw data by instrument in analysis order	769	771	✓	

#### Other Data

28 . Standard and Reagent Preparation Logs	772	798	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	799	800	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	801	804	✓	
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	805	823	✓	
36 . Instrument raw data by instrument in analysis order	824	828	✓	

#### Other Data

37 . Standard and Reagent Preparation Logs	829	856	✓	
38 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	857	858	✓	
39 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	859	862	✓	
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 10 )

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
863	872	✓	
NA	NA	✓	
873	875	✓	
NA	NA	✓	
876	879	✓	
NA	NA	✓	





**284 Sheffield Street  
Mountainside, NJ 07092**

## **SDG NARRATIVE**

**USEPA**

**SDG # ME2931**

**CASE # 51900**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

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

**LAB CODE: ACE**

**LAB ORDER ID # Q1176**

**MODIFIED ANALYSIS # 3114.1**

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

19 Water samples were delivered to the laboratory intact on 01/23/2025, 01/24/2025.

### **B. Parameters**

Test requested for Metals CLP MS = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc , Hardness Total & Mercury, Cyanide.

### **C. Cooler Temp**

Indicator Bottle: Presence/Absence

Cooler: 1.8°C, 1.4°C, 1.5°C, 2.1°C, 1.9°C, 2.3°C, 1.1°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: The laboratory received a COC for Case 51847 which is complete.

### **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 5, the correct Case number is 51900. The laboratory will apply this resolution to all further samples received with the Case number 51847. Please note the issue in the SDG Narrative and proceed with the analysis of the samples.



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Mountainside, NJ 07092**

#### **F. Analytical Techniques:**

All analyses were based on CLP Methodology by method SFAM01.1.

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

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

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

Where,

C = Instrument value in ppb (The average of all replicate integrations)

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 ME2931 For Antimony:**

If C = 0.19 ppb

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

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

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.19 \times \frac{50}{50} \times 1$$

$$= 0.19 \mu\text{g/L}$$

$$= 0.19 \mu\text{g/L (Reported Result with Signification)}$$

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

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

Where,

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

DF = Dilution Factor

##### **Example Calculation For Sample ME2940:**

If C = 0.033 ppb



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Mountainside, NJ 07092**

$$\begin{aligned} \text{DF} &= 1 \\ \text{Concentration or Result } (\mu\text{g/L}) &= 0.033 \times 1 \\ &= 0.033 \mu\text{g/L} \\ &= 0.033 \mu\text{g/L (Reported Result with Signification)} \end{aligned}$$

#### **Calculation for CN Water Sample:**

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

Where,

C = Instrument response in  $\mu\text{g/L}$  CN from the calibration curve.  
V<sub>f</sub> = Final prepared (absorbing solution) volume (mL)  
V<sub>i</sub> = Initial aliquot amount (mL) (Sample amount taken in prep)  
DF = Dilution Factor

#### **Example Calculation For Sample ME2938 :**

If C = 6.8401 ppb  
V<sub>f</sub> = 50 ml  
V<sub>i</sub> = 50 ml  
DF = 1

$$\begin{aligned} \text{Concentration or Result } (\mu\text{g/L}) &= 6.8401 \times \frac{50}{50} \times 1 \\ &= 6.8401 \mu\text{g/L} \\ &= 6.8 \mu\text{g/L (Reported Result with Signification)} \end{aligned}$$

#### **H. QA/ QC**

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Selenium. 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
Aluminum	45Sc
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Calcium	45Sc
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Iron	45Sc
Lead	209Bi
Magnesium	45Sc
Manganese	45Sc
Nickel	45Sc
Potassium	45Sc
Selenium	89Y
Silver	159Tb
Sodium	45Sc
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc



**284 Sheffield Street  
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

<b>Date:</b> 08/08/2023	<b>MA:</b> 3114.1	<b>Title:</b> ICP-MS Analysis with Hardness
<b>Method Source:</b> SFAM01.1	<b>Method:</b> ICP-MS	
<b>Matrix:</b> Aqueous/Water		
<b>Summary of Modification</b>		
The purpose of this modified analysis is to analyze aqueous/water samples by ICP-MS with the additional calculated analyte Hardness. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.		
<b>I. Analyte Modifications</b>		<b>Not applicable</b> <input type="checkbox"/>

Analyte	CAS Number	CRQL (mg/L)
Hardness (total)	Hardness	3.3

<b>II. Calibration and QC Requirements</b>	<b>Not applicable</b> <input checked="" type="checkbox"/>
<b>III. Preparation and Method Modifications</b>	<b>Not applicable</b> <input checked="" type="checkbox"/>
<b>IV. Special Reporting Requirements</b>	<b>Not applicable</b> <input type="checkbox"/>
<p>The Laboratory shall:</p> <ul style="list-style-type: none"> <li>Report Hardness (total) in units of mg/L on Form 1, calculated from the calcium and magnesium results using Equation 4F in Exhibit G, Section 3.2.</li> <li>The instructions for reporting Hardness by ICP-AES apply to these ICP-MS analyses. All applicable AnalyteGroupID and AnalysisGroupID data elements shall be reported. Report AnalyteGroup for Hardness, and any necessary AnalysisGroup nodes.</li> <li>Report the reported results for Hardness (total) in the EDD with AnalyteType = "Derived" and ClientAnalyteID = "Hardness" for the field samples, field blanks, and PT samples only.</li> <li>Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also, include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.</li> <li>Report the "J" and "U" qualifiers in accordance with the requirements in Exhibit B, Section 3.4.3.2.4.2, using the modified CRQL.</li> </ul>	

---

**From:** Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>  
**Sent:** Thursday, January 23, 2025 4:43 PM  
**To:** Deepak Parmar; Sohil Jodhani; Mohammad Ahmed  
**Cc:** R5RSCC  
**Subject:** Task Area SST | Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC | FINAL  
**Attachments:** SKM\_95825012310440.pdf

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Good afternoon,

Issue: The laboratory received a COC for Case 51847 which is complete.

Resolution: Per Region 5, the correct Case number is 51900. The laboratory will apply this resolution to all further samples received with the Case number 51847. Please 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.

Best Regards,  
Tasmia Zafar  
Associate Environmental Analyst  
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086  
[tasmia.zafar@gdit.com](mailto:tasmia.zafar@gdit.com)  
15036 Conference Center Drive  
Chantilly, VA 20151  
[www.gdit.com](http://www.gdit.com)



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---

**From:** R5RSCC <R5RSCC@epa.gov>  
**Sent:** Thursday, January 23, 2025 3:46 PM  
**To:** Zafar, Tasmia (NE) <Tasmia.Zafar@gdit.com>  
**Subject:** RE: Task Area SST | Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good afternoon Tasmia,

Confirmed.

Thanks,

*Darcie D. Tone-Pah-Hote*

Regional Sample Control Coordinator  
LSASD-SQAB  
U.S. EPA Region 5  
77 W Jackson Blvd  
Chicago, IL 60604  
Cubicle #: 06078  
Phone #: 312-886-4298

---

**From:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>

**Sent:** Thursday, January 23, 2025 10:53 AM

**To:** R5RSCC <[R5RSCC@epa.gov](mailto:R5RSCC@epa.gov)>

**Subject:** Task Area SST | Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good morning,

I would like to confirm the previous resolution that the correct Case number is 51900 can be applied to all further samples received with the Case number 51847.

Best Regards,  
Tasmia Zafar  
Associate Environmental Analyst  
CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086  
[tasmia.zafar@gdit.com](mailto:tasmia.zafar@gdit.com)  
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[www.gdit.com](http://www.gdit.com)

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---

**From:** R5RSCC [R5RSCC@epa.gov](mailto:R5RSCC@epa.gov)

**Sent:** Thursday, January 23, 2025 10:10 AM

**To:** Zafar, Tasmia (NE) [Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)

**Subject:** FW: Tas Area SST | Region 05 | Case 51847 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

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Good morning Tasmia,

The COC is labeled with the incorrect Case #. The client confirmed that these samples are associated with Case # 51900, NOT 51847.

Thanks,

*Darcie D. Tone-Pah-Hote*

Regional Sample Control Coordinator

LSASD-SQAB

U.S. EPA Region 5

77 W Jackson Blvd

Chicago, IL 60604

Cubicle #: 06078

Phone #: 312-886-4298

**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>

**Sent:** Thursday, January 23, 2025 11:03 AM

**To:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>; Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** RE: Region 05 | Case 51847 | Lab ACE | Issue Scheduling | FINAL

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Good morning,

As per bellowed email this case is complete. However Lab received more sample this case. 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  
Direct: 908-728-3154  
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)     

**From:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>

**Sent:** Friday, December 20, 2024 2:31 PM

**To:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>; Sohil Jodhani <[Sohil.Jodhani@alliancetg.com](mailto:Sohil.Jodhani@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** Region 05 | Case 51847 | Lab ACE | Issue Scheduling | FINAL

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Good afternoon,

Please note the samples for this Case were rescheduled to reflect the actual number of samples shipped to the laboratory. The laboratory should not expect to receive any additional samples for this Case.

Best Regards,

Tasmia Zafar

Associate Environmental Analyst

CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086

[tasmia.zafar@gdit.com](mailto:tasmia.zafar@gdit.com)

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

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**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>

**Sent:** Friday, December 20, 2024 10:18 AM

**To:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>; Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** RE: Region 05 | Case 51847 | Lab ACE | Issue Scheduling

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Good morning,

samples received for each analysis for Case 51847 as below.

51847	ARO	water	2
51847	ARO	Solid	137
51847	Pesticide	Solid	24
51847	Pesticide-	Water	2
51847	Semivolatiles	Solid	137
51847	Semivolatiles	Water	2
51847	Polycyclic Aromatic Hydrocarbons and Pentachlorophenol by SIM	Solid	135
51847	Polycyclic Aromatic Hydrocarbons and Pentachlorophenol by SIM	Water	2
51847	Volatiles	Solid	137
51847	Trace Volatiles	Water	4

51847	Cyanide	water	2
51847	Cyanide	Solid	137
51847	Mercury	Solid	137
51847	Mercury	Water	2
51847	ICP-MS 11+ Metals	Water	2
51847	ICP-MS 11+ Metals	Solid	137
51847	ICP-AES 5-10 Metals	Solid	137

Thanks & Regards,



**Deepak Parmar**  
QA/QC  
An Alliance Technical Group Company  
Main: 908-789-8900  
Direct: 908-728-3154  
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)    

---

**From:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>

**Sent:** Friday, December 20, 2024 10:02 AM

**To:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>; Sohil Jodhani <[Sohil.Jodhani@alliancetg.com](mailto:Sohil.Jodhani@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** RE: Region 05 | Case 51847 | Lab ACE | Issue Scheduling

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Thank you,

The attached email is in regard to Case 51933. Would the laboratory also be able to provide sample counts for Case 51847?

Best Regards,

Tasmia Zafar

Associate Environmental Analyst

CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086

[tasmia.zafar@gdit.com](mailto:tasmia.zafar@gdit.com)

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---

**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>

**Sent:** Friday, December 20, 2024 9:47 AM

**To:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>; Sohil

Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>

**Subject:** RE: Region 05 | Case 51847 | Lab ACE | Issue Scheduling

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Thanks & Regards,



**Deepak Parmar**

QA/QC

An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3154

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

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



---

**From:** Zafar, Tasmia (NE) <[Tasmia.Zafar@gdit.com](mailto:Tasmia.Zafar@gdit.com)>

**Sent:** Friday, December 20, 2024 9:46 AM

**To:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>;

Sohil Jodhani <[Sohil.Jodhani@alliancetg.com](mailto:Sohil.Jodhani@alliancetg.com)>

**Subject:** RE: Region 05 | Case 51847 | Lab ACE | Issue Scheduling

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Good morning,

I would like to follow up on the below.

Best Regards,

Tasmia Zafar

Associate Environmental Analyst

CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086

[tasmia.zafar@gdit.com](mailto:tasmia.zafar@gdit.com)

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---

**From:** Zafar, Tasmia (NE)

**Sent:** Thursday, December 19, 2024 12:31 PM

**To:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>; [mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com);  
[sohil.jodhani@alliancetg.com](mailto:sohil.jodhani@alliancetg.com)

**Subject:** Region 05 | Case 51847 | Lab ACE | Issue Scheduling

Good afternoon,

Would the laboratory be able to confirm how many samples for each analysis were received for Case 51847?

Best Regards,

Tasmia Zafar

Associate Environmental Analyst

CLP QSS Coordinator – EPA Regions 5 & 6

T: (919) 768-4086

[tasmia.zafar@gdit.com](mailto:tasmia.zafar@gdit.com)

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