

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No.: _____ SDG No.: MC0AF9
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
MC0AF9	Q1087-01		X	X	
MC0AH2	Q1087-02		X	X	
MC0AH3	Q1087-03		X	X	
MC0AF8	Q1087-04		X	X	
MC0AF8D	Q1087-05		X	X	
MC0AF8S	Q1087-06		X	X	
MC0AE9	Q1087-07		X	X	
MC0AG4	Q1087-08		X	X	
MC0AH0	Q1087-09		X	X	
MC0AE6	Q1087-10		X	X	
MC0AF0	Q1087-11		X	X	
MC0AF1	Q1087-12		X	X	
MC0AF5	Q1087-13		X	X	
MC0AF6	Q1087-14		X	X	
MC0AF7	Q1087-15		X	X	
MC0AE3	Q1087-16		X	X	
MC0AE4	Q1087-17		X	X	
MC0AE5	Q1087-18		X	X	
MC0AF2	Q1087-19		X	X	
MC0AF3	Q1087-20		X	X	
MC0AF4	Q1087-21		X	X	
MC0AD6	Q1087-22		X		
MC0AD7	Q1087-23			X	

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____
 Date: _____ Title: _____

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-011425-124430-0013

Date Shipped: 1/14/2025

Lab: Chemtech Consulting Group

Carrier Name: FedEx

Case #: 51953

Lab Contact: Mohammad Ahmed

Airbill No: 771425267778

Cooler #: 13

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
Stream 3A-11	C0AF9	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	448 (6 C), 449 (HCL to pH<2) (5)	Stream 3A	01/14/2025 14:00	
011425-TB-01	C0AG1	GW/ AECOM	Grab	TVOA(21)	456 (HCL to pH<2) (3)	Trip Blank	01/14/2025 12:00	
Stream 1A-11	C0AH2	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	440 (6 C), 441 (HCL to pH<2) (5)	Stream 1A	01/14/2025 14:20	
Stream 2A-11	C0AH3	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	444 (6 C), 445 (HCL to pH<2) (5)	Stream 2A	01/14/2025 14:10	
Stream 3A-11	MC0AF9	GW/ AECOM	Grab	ICP-MS_Hg(21)	450 (HNO3 pH<2) (1)	Stream 3A	01/14/2025 14:00	-
Stream 1A-11	MC0AH2	GW/ AECOM	Grab	ICP-MS_Hg(21)	442 (HNO3 pH<2) (1)	Stream 1A	01/14/2025 14:20	/
Stream 2A-11	MC0AH3	GW/ AECOM	Grab	ICP-MS_Hg(21)	446 (HNO3 pH<2) (1)	Stream 2A	01/14/2025 14:10	/

Special Instructions: No QC Samples are included in this cooler.

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

Analysis Key: 1,4-DX SIM=CLP 1,4-Dioxane by SIM, TVOA=CLP Trace Volatiles, ICP-MS_Hg=CLP IC-MS Metals & Mercury

011305 1011306

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all ship	Chemtech Consulting Group Aecom	1/14/25 1500		1-15-25 1003	IR Gun #1 Temp 2.4°C
					Custody Seal intact Temp blank present

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-011525-105248-0014

DateShipped: 1/15/2025

CarrierName: FedEx

Case #: 51953

Lab: Alliance Technical Group
Lab Contact: Mohammad Ahmed

AirbillNo: 771448993580

Cooler #: 14

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PIW-1S-11	C0AE9	GW/ AECOM	Grab	TVOA(21)	373 (HCL to pH<2) (3)	PIW-1S	01/15/2025 11:40	
MW-19D-11	C0AF8	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	408 (6 C), 409 (HCL to pH<2), 412 (6 C), 413 (HCL to pH<2), 416 (6 C), 417 (HCL to pH<2) (15)	MW-19D	01/15/2025 10:45	
011525-TB-02	C0AG2	GW/ AECOM	Grab	TVOA(21)	457 (HCL to pH<2) (2)	Trip Blank	01/15/2025 09:00	
011525-EB-01	C0AG4	GW/ AECOM	Grab	TVOA(21)	460 (HCL to pH<2) (3)	Equipment Blank	01/15/2025 14:00	
PIW-1S-11-CS	C0AH0	GW/ AECOM	Grab	TVOA(21)	421 (HCL to pH<2) (3)	PIW-1S	01/15/2025 11:40	
MW-19D-11	MCOAF8	GW/ AECOM	Grab	ICP-MS_Hg(21)	410 (HNO3 pH<2), 414 (HNO3 pH<2), 418 (HNO3 pH<2) (3)	MW-19D	01/15/2025 10:45	PH 1.0

Sample(s) to be used for Lab QC: MW-19D-11 Tag 408, MW-19D-11 Tag 409, MW-19D-11 Tag 412, MW-19D-11 Tag 413, MW-19D-11 Tag 416, MW-19D-11 Tag 417, MW-19D-11 Tag 410, MW-19D-11 Tag 414, MW-19D-11 Tag 418 - Special Instructions: QC Sample C0AF8 is included in this cooler

Analysis Key: TVOA=CLP Trace Volatiles, 1,4-DX SIM=CLP 1,4-Dioxane by SIM, ICP-MS_Hg=CLP IC-MS Metals & Mercury

Shipment for Case Complete? N				Samples Transferred From Chain of Custody # 011307/011308			
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt		
all ship	Courtney Jernrey	1/15/25 1530	Re Mohamed	1-16-25	Temp Blank Prebust		
					Custody seal intact		

3.2°

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-011525-130012-0016

Date Shipped: 1/15/2025

Lab: Alliance Technical Group

Carrier Name: FedEx

Case #: 51953

Lab Contact: Mohammad Ahmed

Airbill No: 771453518079

Cooler #: 16

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PIW-1S-11	COAE9	GW/ AECOM	Grab	1,4-DX SIM(21)	372 (6 C) (2)	PIW-1S	01/15/2025 11:40	✓
011525-EB-01	COAG4	GW/ AECOM	Grab	1,4-DX SIM(21)	459 (6 C) (2)	Equipment Blank	01/15/2025 14:00	✓
PIW-1S-11-CS	COAH0	GW/ AECOM	Grab	1,4-DX SIM(21)	420 (6 C) (2)	PIW-1S	01/15/2025 11:40	✓
PIW-1S-11	MC0AE9	GW/ AECOM	Grab	ICP-MS_Hg(21)	374 (HNO3 pH<2) (1)	PIW-1S	01/15/2025 11:40	PH 1.0 ✓
011525-EB-01	MC0AG4	GW/ AECOM	Grab	ICP-MS_Hg(21)	461 (HNO3 pH<2) (1)	Equipment Blank	01/15/2025 14:00	✓
PIW-1S-11-CS	MC0AH0	GW/ AECOM	Grab	ICP-MS_Hg(21)	422 (HNO3 pH<2) (1)	PIW-1S	01/15/2025 11:40	✓
<div>CT</div>								


No: 3-011525-131134-0017

Lab Phone: 908-789-8900

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

Analysis Key: 1,4-DX SIM=CLP 1,4-Dioxane by SIM, ICP-MS_Hg=CLP IC-MS Metals & Mercury

Item/s/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all Ship Containing Formic Acid		1/15/25		9:32 1-16-25	26 Can #1 1.8°C Custody Seal intact Temp Blank present

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-011525-105812-0015

Date Shipped: 1/15/2025

Lab: Alliance Technical Group

Carrier Name: FedEx

Lab Contact: Mohammad Ahmed

Airbill No: 771449150858

Case #: 51953
Cooler #: 15

Lab Phone: 908-789-9800

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analyte/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MMW-09S-11	COAE6	GW/ AECOM	Grab	TVOA(21)	353 (HCL to pH<2) (3)	MMW-09S	01/15/2025 15:30	
PMW-11-11	COAF0	GW/ AECOM	Grab	TVOA(21)	377 (HCL to pH<2) (3)	PMW-11	01/15/2025 14:20	
PMW-1D-11	COAF1	GW/ AECOM	Grab	TVOA(21)	381 (HCL to pH<2) (3)	PMW-1D	01/15/2025 15:20	
PMW-2S-11	COAF6	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	396 (6 C), 397 (HCL to pH<2) (5)	PMW-2S	01/15/2025 10:35	
PMW-21-11	COAF6	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	400 (6 C), 401 (HCL to pH<2) (5)	PMW-21	01/15/2025 12:05	
PMW-2D-11	COAF7	GW/ AECOM	Grab	1,4-DX SIM(21), TVOA(21)	404 (6 C), 405 (HCL to pH<2) (5)	PMW-2D	01/15/2025 13:30	
011525-TB-03	COAG3	GW/ AECOM	Grab	TVOA(21)	458 (HCL to pH<2) (2)	Trip Blank	01/15/2025 09:15	
PMW-2S-11	MCOAF5	GW/ AECOM	Grab	ICP-MS_Hg(21)	398 (HNO3 pH<2) (1)	PMW-2S	01/15/2025 10:35	✓ pH 1.0
PMW-21-11	MCOAF6	GW/ AECOM	Grab	ICP-MS_Hg(21)	402 (HNO3 pH<2) (1)	PMW-21	01/15/2025 12:05	✓
PMW-2D-11	MCOAF7	GW/ AECOM	Grab	ICP-MS_Hg(21)	406 (HNO3 pH<2) (1)	PMW-2D	01/15/2025 13:30	✓
(CT)								

Special Instructions: QC Sample COAH0 is Included in this cooler

011311

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TVOA=CLP Trace Volatiles, 1,4-DX SIM=CLP 1,4-Dioxane by SIM, ICP-MS_Hg=CLP ICP-MS Metals & Mercury

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all ship	Matthew Lawrence	1/15/25 16:15	CR	9:32 1-16-25	IR-Gum #1 2.1 Custody Seal Intact Temp block present

No: 3-011625-123332-0018

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


Lab Phone: 908-789-8900

[illegible]

Special Instructions: No QC Sample Is Included in this cooler

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

Analysis Key: 1,4-DX SIM=CLP 1,4-Dioxane by SIM, TVOA=CLP Trace Volatiles, ICP-MS_Hg=CLP ICP-MS Metals & Mercury

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all ship	Anthony Tenney Arcam	4/16/25 1515		0930 1-17-25	IR gun #1 Temp 2.6°
					Custody Seal intact
					Termo blank used

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-011625-123412-0019

Date Shipped: 1/16/2025

Lab: Alliance Technical Group

Carrier Name: FedEx

Case #: 51953

Lab Contact: Mohammad Ahmed

Airbill No: 771478610317

Cooler #: 19

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PMW-1S-11	COAF2	GW/AECOM	Grab	1,4-DX SIM(21)	384 (6 C) (2)	PIW-1S	01/16/2025 10:10	
PMW-11-11	COAF3	GW/AECOM	Grab	1,4-DX SIM(21)	388 (6 C) (2)	PIW-11	01/16/2025 11:00	
PMW-1D-11	COAF4	GW/AECOM	Grab	1,4-DX SIM(21)	392 (6 C) (2)	PMW-1D	01/16/2025 11:45	
PMW-1S-11	MCOAF2	GW/AECOM	Grab	ICP-MS_Hg(21)	386 (HNO3 pH<2) (1)	PIW-1S	01/16/2025 10:10	✓
PMW-11-11	MCOAF3	GW/AECOM	Grab	ICP-MS_Hg(21)	390 (HNO3 pH<2) (1)	PIW-11	01/16/2025 11:00	✓
PMW-1D-11	MCOAF4	GW/AECOM	Grab	ICP-MS_Hg(21)	394 (HNO3 pH<2) (1)	PMW-1D	01/16/2025 11:45	✓

Special Instructions: No QC Sample is Included in this cooler

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: 1,4-DX SIM=CLP 1,4-Dioxane by SIM, ICP-MS_Hg=CLP ICP-MS Metals & Mercury

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all ship	Guthrie Forensic Acem	1/16/25		0930	IR Gun #1 Temp 28.8c
				1-17-25	Temp blank Present
					Custody Seal intact

No: 3-123124-094602-0001

Lab: Alliance Technical Group LLC

Lab Phone: 908-728-3151

[illegible]

Samples Transferred From Chain of Custody

Analysis Key:	TVOA=CLP Trace Volatiles, 1,4-Dioxane SIM=CLP 1,4-Dioxane by SIM, ICP-MS=CLP ICP-MS 11+ Metals, Hg=CLP Mercury
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Items/Reason	Relinquished By (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Ban Me / EKA	14 Jan 2025 12:00	Dan	11/15/25	11.1°C
				10:05	Affected
					Cut & Run
					No ice

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Gorge Negron</u>		Log-in Date 1/15/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present,
2. Custody Seal Nos.	<u>011305-306</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771425267778</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>01/15/2025</u>
12. Time Received	<u>14:16 10:03 AM</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AF9	1.3	450	Q1087-01	Intact
2	MC0AH2	1.3	442	Q1087-02	Intact
3	MC0AH3	1.3	446	Q1087-03	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>1/15/25</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>Casapara Per</u>		Log-in Date 1/16/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>011307-308</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771448993580</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>3.2</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>01/16/2025</u>
12. Time Received	<u>09:32</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AF8	1.0	410,14,18	Q1087-04	Intact
2	MC0AF8D	1.0	410,14,18	Q1087-05	Intact
3	MC0AF8S	1.0	410,14,18	Q1087-06	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>1/16/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

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Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>28</u>
Received By (Print Name) <u>Espinoza Lere</u>		Log-in Date 1/16/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>011309-011310</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771453518079</u> <u>3</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>3.1</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>01/16/2025</u>
12. Time Received	<u>09:32</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AE9	1.0	374	Q1087-07	Intact
2	MC0AG4	1.0	461	Q1087-08	Intact
3	MC0AH0	1.0	422	Q1087-09	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>1/16/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

X

Lab Name : Alliance Technical Group, LLC		Page <u>4</u> of <u>78</u>
Received By (Print Name) <u>Casanova Reie</u>		Log-in Date 1/16/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>011312</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771453577181</u> <u>4</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>01/16/2025</u>
12. Time Received	<u>09:32</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AE6	1.0	354	Q1087-10	Intact
2	MC0AF0	1.0	378	Q1087-11	Intact
3	MC0AF1	1.0	382	Q1087-12	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>1/16/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>5</u> of <u>78</u>
Received By (Print Name) <u>Aggawa Reie</u>		Log-in Date 1/16/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>011311</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771449150858</u> <u>5</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>01/16/2025</u>
12. Time Received	<u>09:32</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AF5	1.0	398	Q1087-13	Intact
2	MC0AF6	1.0	402	Q1087-14	Intact
3	MC0AF7	1.0	406	Q1087-15	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>1/16/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>6</u> of <u>28</u>
Received By (Print Name) <u>George Negron</u>		Log-in Date 1/17/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	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	Present
5. Airbill No. and Shipping Container ID No.	<u>771478567060</u> <u>6</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.6</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>01/17/2025</u>
12. Time Received	<u>09:30</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AE3	1.6	342	Q1087-16	Intact
2	MC0AE4	1.6	346	Q1087-17	Intact
3	MC0AE5	1.6	350	Q1087-18	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>1/17/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>7</u> of <u>28</u>
Received By (Print Name) <u>Gorse Neson</u>		Log-in Date 1/17/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51953	SDG No. MC0AF9	MA No. N/A

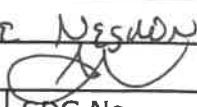
Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>771478610317</u> <u>7</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container 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>01/17/2025</u>
12. Time Received	<u>09:30</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AF2	1.6	386	Q1087-19	Intact
2	MC0AF3	1.6	390	Q1087-20	Intact
3	MC0AF4	1.6	394	Q1087-21	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>1/17/25</u>	Logbook Page No. N/A


FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>8</u> of <u>8</u>
Received By (Print Name) <u>George Nelson</u>		Log-in Date 1/15/2025
Received By (Signature) 		
Case Number 51953	SDG No. MC0AF9	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	Present
5. Airbill No. and Shipping Container ID No.	<u>284346389262</u> <u>8</u>
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	<u>11.1</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>01/15/2025</u>
12. Time Received	<u>10:05</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0AD6	N/A	N/A	Q1087-22	Intact
2	MC0AD7	N/A	N/A	Q1087-23	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 	Logbook No. N/A
Date <u>1/23/25</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.	51953	SDG NO.	MC0AF9
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	9	✓	
3. Sample Log-In Sheet (DC-1)	10	17	✓	
4. CSF Inventory Sheet (DC-2)	18	20	✓	
5. SDG Narrative	21	24	✓	
6. Communication Logs	NA	NA	✓	
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	NA	NA	✓	
9. Instrument raw data by instrument in analysis order	NA	NA	✓	

Other Data

10. Standard and Reagent Preparation Logs	NA	NA	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	NA	NA	✓	
15. Raw GPC Data	NA	NA	✓	
16. Raw Florisil Data	NA	NA	✓	

Analysis Forms and Data (ICP-MS)

17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	25	44	✓	
18. Instrument raw data by instrument in analysis order	45	788	✓	

Other Data

19. Standard and Reagent Preparation Logs	789	924	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	925	926	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	927	933	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	934	935	✓	

	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	936	955	✓	
27 . Instrument raw data by instrument in analysis order	956	957	✓	

Other Data

28 . Standard and Reagent Preparation Logs	958	984	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	985	986	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	987	988	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	989	990	✓	
32 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
33 . Raw GPC Data	NA	NA	✓	
34 . Raw Florisil Data	NA	NA	✓	

Analysis Forms and Data (Cyanide)

35 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
36 . Instrument raw data by instrument in analysis order	NA	NA	✓	

Other Data

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

Additional

44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 8)

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
991	998	✓	
NA	NA	✓	
999	1000	✓	
NA	NA	✓	
1001	1004	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MC0AF9

CASE # 51953

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # Q1087

A. Number of Samples and Date of Receipt

21 Water samples were delivered to the laboratory intact on 01/15/2025, 01/16/2025, 01/17/2025.

B. Parameter

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 & Mercury.

C. Cooler Temp

Indicator Bottle: **Presence/Absence**

Cooler: 2.4°C, 3.2°C, 3.1°C, 1.8°C, 2.1°C, 2.6°C, 2.8°C, 11.1°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.

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.

F. Analytical Techniques:

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



**284 Sheffield Street
Mountainside, NJ 07092**

G. Calculation:

Calculation for ICP-MS Water Sample:

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

Where,

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

V_f = Final digestion volume (mL)

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

DF = Dilution Factor

Example Calculation For Sample MC0AF9 For Arsenic:

If C = 0.44 ppb

V_f = 50 ml

V_i = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.44 \times \frac{50}{50} \times 1$$

$$= 0.44 \mu\text{g/L}$$

$$= 0.44 \mu\text{g/L (Reported Result with Signification)}$$

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 MC0AF9:

If C = 0.0703 ppb

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.0703 \times 1$$

$$= 0.0703 \mu\text{g/L}$$

$$= 0.070 \mu\text{g/L (Reported Result with Signification)}$$



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Mountainside, NJ 07092
H. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
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



**284 Sheffield Street
Mountainside, NJ 07092**

Selenium	89Y
Silver	159Tb
Sodium	45Sc
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____

Name: Nimisha Pandya

Date _____

Title: Document Control Officer