

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51967 MA No.: \_\_\_\_\_ SDG No.: MDCZM3  
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
MDCZM3	Q1255-01		X	X	
MDCZP0	Q1255-02		X	X	
MDCZP1	Q1255-03		X	X	
MDCZP5	Q1255-04		X	X	
MDCZM4	Q1255-05		X	X	
MDCZN3	Q1255-06		X	X	
MDCZP2	Q1255-07		X	X	
MDCZN8	Q1255-08		X	X	
MDCZN8D	Q1255-09		X	X	
MDCZN8S	Q1255-10		X	X	
MDCZL6	Q1255-11		X	X	
MDCZL9	Q1255-12		X	X	
MDCZN9	Q1255-13		X	X	
MDCZN2	Q1255-14		X	X	
MDCZN7	Q1255-15		X	X	
MDCZP4	Q1255-16		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: 01/30/25-0035**

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

[illegible]

**Special Instructions:** Alliance Tech cooler #1

**Shipment for Case Complete? N**

Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, ICP-MS/Hg=CLP ICP-MS Metals/Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<del>7/15/25</del> <del>SC-115MM</del> <del>[Signature]</del>	1/20/25 1700	[Signature]	01/31/25 0935	2.1c Temp black present ID Gun #1
					Custody Seal Intact

68HERH20D0011

1011 7716 6579 7622  
SDG # MDCZM3

## USEPA Region 4 COC (LAB COPY)

Case #: 51967

Carrier Name:

Airbill No:

## CHAIN OF CUSTODY RECORD

SDG # MDCZM3

No: 01/30/25-0036

Lab: Alliance Technical Group, LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

Project Number: 25-0119

Date Shipped: 1/30/2025

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservation/Bottles	Location	Collection Date/Time	For Lab Use Only
TB2-0125	DCZK3	Trip Blank Water/ McDaniel/Schle mm	Grab	TVOA + SIM(21)	519670040 (HCl) (6)	#R4DART#	01/29/2025 18:00	
GW192-0125	DCZP0	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670283 (HCl), 519670284 (None), 519670285 (None) (10)	SP192	01/29/2025 13:15	
GW193-0125	DCZP1	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670290 (HCl), 519670291 (None), 519670292 (None) (10)	SP193	01/29/2025 14:30	
GW341-0125	DCZP5	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670318 (HCl), 519670319 (None), 519670320 (None) (10)	SP341	01/29/2025 15:40	
GW192-0125	MDCZP0	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670287 (HNO3) (1)	SP192	01/29/2025 13:15	PH1.3 ✓
GW193-0125	MDCZP1	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670294 (HNO3) (1)	SP193	01/29/2025 14:30	PH1.3 ✓
GW341-0125	MDCZP5	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670322 (HNO3) (1)	SP341	01/29/2025 15:40	PH1.3 ✓

Special Instructions: Alliance Tech cooler #2

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

Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, ICP-MS/Hg=CLP ICP-MS Metals/Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	TRISH SCHLEMM	1/30/25	du	01/31/25	20C Temp blank Preset PE Gun #1
		1700		0735	Custody Seal Intact

68HERH20D0011

[0101] 7806 1538 1450  
#40062M3

## USEPA Region 4 COC (LAB COPY)

Case #: 51967

Carrier Name:

Airbill No:

## CHAIN OF CUSTODY RECORD

SDG# MDCZM3

No: 01/30/25-0037

Lab: Alliance Technical Group LLC

Lab Contact: Mohammed Ahmed

Lab Phone: 908-789-8900

Project Number: 25-0119

Date Shipped: 1/30/2025

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservation/Bottles	Location	Collection Date/Time	For Lab Use Only
TB3-0125	DCZK4	Trip Blank Water/ McDaniel/Schle mm	Grab	TVOA + SIM(21)	519670041 (HCl) (6)	#RADART#	01/29/2025 18:00	
GW156-0125	DCZM4	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670115 (HCl), 519670116 (None), 519670117 (None) (10)	SP156	01/29/2025 11:00	
GW183-0125	DCZN3	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA(21), PEST(21)	519670234 (HCl), 519670235 (None), 519670236 (None) (10)	SP183	01/29/2025 13:55	
GW194-0125	DCZP2	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670297 (HCl), 519670298 (None), 519670299 (None) (10)	SP194	01/29/2025 15:42	
GW156-0125	MDCZM4	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670119 (HNO3) (1)	SP156	01/29/2025 11:00	✓
GW183-0125	MDCZN3	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670238 (HNO3) (1)	SP183	01/29/2025 13:55	✓
GW194-0125	MDCZP2	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670301 (HNO3) (1)	SP194	01/29/2025 15:42	✓

Special Instructions: Alliance Tech cooler #3

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

Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, SVOA=CLP Semivolatiles, ICP-MS/Hg=CLP ICP-MS Metals/Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	TRAIR SCHENNY	1/30/25 1700	QY	01/31/25 09:35	1.8g Temp block passed IIR Gun #1
					Custody Seal Intact

**No: 01/31/25-0042**

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

[illegible]

Shipment for Case Complete? N

Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, ICP-MS/Hg=CLP ICP-MS Metals/Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>[Signature]</i> AECOM	1/31/95 1800	<i>[Signature]</i>	2/1/95 9:15	1.5 <sup>c</sup> Ipecac H <sup>+</sup> Teg brand
					Cash Sam H <sup>+</sup>

68HERH20D0011

7779459401002M3

## USEPA Region 4 COC (LAB COPY)

Case #: 51967

CarrierName: FedEx

AirbillNo:

## CHAIN OF CUSTODY RECORD

SDG# MDCZM3

No: 01/31/25-0043

Project Number: 25-0119  
DateShipped: 1/31/2025Lab: Alliance Technical Group LLC  
Lab Contact: Mohammad Ahmed  
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservation/Bottles	Location	Collection Date/Time	For Lab Use Only
TB5-0125	DCZK6	Tip Blank Water/ McDaniel/Schle mm	Grab	TVOA + SIM(21)	519670043 (HCl) (6)	#RADART#	01/30/2025 18:00	
GW173-0125	DCZL6	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA(21), PEST(21)	519670143 (HCl), 519670144 (None), 519670145 (None) (10)	SP173	01/30/2025 12:15	
GW175-0125	DCZL9	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670164 (HCl), 519670165 (None), 519670166 (None) (10)	SP175	01/30/2025 17:35	
GW191-9125	DCZN9	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670276 (HCl), 519670277 (None), 519670278 (None) (10)	SP191	01/30/2025 14:32	
GW173-0125	MDCZL6	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670147 (HNO3) (1)	SP173	01/30/2025 12:15	PA 1.0
GW175-0125	MDCZL9	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670168 (HNO3) (1)	SP175	01/30/2025 17:35	
GW191-9125	MDCZN9	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670280 (HNO3) (1)	SP191	01/30/2025 14:32	

Special Instructions: Alliance Tech cooler #2

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

Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA=CLP Semivolatiles, PEST=CLP Pesticides, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, ICP-MS/Hg=CLP ICP-MS Metals/Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>[Signature]</i> AECOM	1/31/25 1:50pm	<i>[Signature]</i>	2/1/25	1.8" IPW H1
				9:25	Tag blank for substance

68HERH20D0011

7807 #MB62272

## USEPA Region 4 COC (LAB COPY)

## CHAIN OF CUSTODY RECORD

SDG# MDCZM3

No: 01/31/25-0044

Case #: 51967

Carrier Name: FedEx

Airbill No:

Project Number: 25-0119

Date Shipped: 1/31/2025

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservation/Bottles	Location	Collection Date/Time	For Lab Use Only
GW182-0125	DCZN2	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670227 (HCl), 519670228 (None), 519670229 (None) (10)	SP182	01/30/2025 16:05	
GW187-0125	DCZN7	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA(21), PEST(21)	519670262 (HCl), 519670263 (None), 519670264 (None) (10)	SP187	01/30/2025 10:20	
GW340-0125	DCZP4	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670311 (HCl), 519670312 (None), 519670313 (None) (10)	SP340	01/30/2025 14:25	
TB6-0125	DCZP9	Trip Blank Water/ McDaniel/Schle mm	Grab	TVOA + SIM(21)	519670001 (HCl) (6)	#R4DART#	01/30/2025 18:00	
GW182-0125	MDCZN2	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670231 (HNO3) (1)	SP182	01/30/2025 16:05	
GW187-0125	MDCZN7	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670266 (HNO3) (1)	SP187	01/30/2025 10:20	PH L.O
GW340-0125	MDCZP4	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670315 (HNO3) (1)	SP340	01/30/2025 14:25	

Special Instructions: Alliance Tech cooler #3

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, SVOA=CLP Semivolatiles, ICP-MS/Hg=CLP ICP-MS Metals/Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>for AECOM</i>	1/31/25 1500	<i>Don</i>	2/1/25	2.1 Item #1
				9:25	For blank from
					Look over for

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>6</u>
Received By (Print Name) <u>Cassanova Rina</u>		Log-in Date <b>1/31/2025</b>
Received By (Signature) <u>CR</u>		
Case Number <b>51967</b>	SDG No. <b>MDCZM3</b>	MA No. <b>N/A</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>771665148941</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.1</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MDCZM3	1.3	519670112	Q1255-01	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

\* Contact SMO and attach record of resolution

Reviewed By <u>CR</u>	Logbook No. <b>N/A</b>
Date <u>1/31/25</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>6</u>
Received By (Print Name) <u>Casanova Peria</u>		Log-in Date <b>1/31/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51967</b>	SDG No. <b>MDCZM3</b>	MA No. <b>N/A</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>771665297622</u> <u>2</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>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MDCZP0	1.3	519670287	Q1255-02	Intact
2	MDCZP1	1.3	519670294	Q1255-03	Intact
3	MDCZP5	1.3	519670322	Q1255-04	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>1/31/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>6</u>
Received By (Print Name) <u>Cassanova Rene</u>		Log-in Date <b>1/31/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51967</b>	SDG No. <b>MDCZM3</b>	MA No. <b>N/A</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>771665281450</u> <u>3</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>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MDCZM4	1.3	519670119	Q1255-05	Intact
2	MDCZN3	1.3	519670238	Q1255-06	Intact
3	MDCZP2	1.3	519670301	Q1255-07	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>1/31/25</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>1</u>
Received By (Print Name) <u>Cassandra Reia</u>		Log-in Date <b>2/1/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51967</b>	SDG No. <b>MDCZM3</b>	MA No. <b>N/A</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>771794362365</u> <u>4</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>02/01/2025</u>
12. Time Received	<u>09:25</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MDCZN8	1.0	519670273	Q1255-08	Intact
2	MDCZN8D	1.0	519670273	Q1255-09	Intact
3	MDCZN8S	1.0	519670273	Q1255-10	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>2/1/25</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>6</u>
Received By (Print Name) <u>Cessanova Reis</u>		Log-in Date <b>2/1/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51967</b>	SDG No. <b>MDCZM3</b>	MA No. <b>N/A</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>771794520787</u> <u>5</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>02/01/2025</u>
12. Time Received	<u>09:25</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MDCZL6	1.0	519670147	Q1255-11	Intact
2	MDCZL9	1.0	519670168	Q1255-12	Intact
3	MDCZN9	1.0	519670280	Q1255-13	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>2/1/25</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>6</u>
Received By (Print Name) <u>Cesarana Peña</u>		Log-in Date <b>2/1/2025</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51967</b>	SDG No. <b>MDCZM3</b>	MA No. <b>N/A</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>771794672272</u> <u>6</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>02/01/2025</u>
12. Time Received	<u>09:25</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MDCZN2	1.0	519670231	Q1255-14	Intact
2	MDCZN7	1.0	519670266	Q1255-15	Intact
3	MDCZP4	1.0	519670315	Q1255-16	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>2/1/25</u>	Logbook Page No. <b>N/A</b>

FORM DC-2  
COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	Alliance Technical Group, LLC		
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51967	SDG NO.	MDCZM3
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	7	✓	
3. Sample Log-In Sheet (DC-1)	8	13	✓	
4. CSF Inventory Sheet (DC-2)	14	16	✓	
5. SDG Narrative	17	20	✓	
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	21	34	✓	
18. Instrument raw data by instrument in analysis order	35	696	✓	

**Other Data**

19. Standard and Reagent Preparation Logs	697	838	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	839	840	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	841	846	✓	
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	847	860	✓	
27 . Instrument raw data by instrument in analysis order	861	863	✓	

#### Other Data

28 . Standard and Reagent Preparation Logs	864	891	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	892	893	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	894	897	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
33 . Raw GPC Data	NA	NA	✓	
34 . Raw Florisil Data	NA	NA	✓	

#### Analysis Forms and Data (Cyanide)

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

#### Other Data

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

**Additional**

## 44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 6 )

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  
(Print Name & Title)

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
898	903	✓	
NA	NA	✓	
904	905	✓	
NA	NA	✓	
906	908	✓	
NA	NA	✓	





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Mountainside, NJ 07092**

## **SDG NARRATIVE**

**USEPA**

**SDG # MDCZM3**

**CASE # 51967**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

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

**LAB CODE: ACE**

**LAB ORDER ID # Q1255**

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

14 Water samples were delivered to the laboratory intact on 01/31/2025, 02/01/2025.

### **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, Mercury.

### **C. Cooler Temp**

Indicator Bottle: Presence/Absence

Cooler: 2.1°C, 2.0°C, 1.8°C, 1.5°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.



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**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 MDCZM3 For Aluminum:**

If C = 11.25 ppb

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

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

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 11.25 \times \frac{50}{50} \times 1$$

$$= 11.25 \mu\text{g/L}$$

$$= 11 \mu\text{g/L} \text{ (Reported Result with Signification)}$$

**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

**Example Calculation for MDCZP0:**

If C = 0.0381 ppb

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.0381 \times 1$$

$$= 0.0381 \mu\text{g/L}$$

$$= 0.038 \mu\text{g/L} \text{ (Reported Result with Signification)}$$



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#### **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.

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



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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