

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51878 MA No.: _____ SDG No.: E29Z5
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>E29Z1</u>	<u>P4877-01</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E29Z3</u>	<u>P4877-02</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E29Z5</u>	<u>P4877-03</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E29Z7</u>	<u>P4877-04</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A13</u>	<u>P4877-05</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A19</u>	<u>P4877-06</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A22</u>	<u>P4877-07</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A23</u>	<u>P4877-08</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E29Z9</u>	<u>P4877-09</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A01</u>	<u>P4877-10</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A01D</u>	<u>P4877-11</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A01S</u>	<u>P4877-12</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A03</u>	<u>P4877-13</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A05</u>	<u>P4877-14</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A07</u>	<u>P4877-15</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A09</u>	<u>P4877-16</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A20</u>	<u>P4877-17</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E2A24</u>	<u>P4877-18</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>
<u>E29S9</u>	<u>P4877-19</u>	<u>_____</u>	<u>X</u>	<u>X</u>	<u>_____</u>

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

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

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

Date Shipped: 11/14/2024

No: 5-111424-134025-0070

Carrier Name: FedEx

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed

Airbill No: 779967017584

Case #: 51878

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
SW-01-11142024	E29Z1	Surface Water/ M. Hartman	Grab	TVOA(21), ICP-MS+Hg(21)	1603 (HCl), 1604 (HNO3) (4)	SW-01	11/14/2024 09:12	1 K.N
SW-01-11142024-F	E29Z2	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1605 (HNO3) (1)	SW-01	11/14/2024 09:12	
SW-03-11142024	E29Z3	Surface Water/ M. Hartman	Grab	TVOA(21), ICP-MS+Hg(21)	1609 (HCl), 1610 (HNO3) (5)	SW-03	11/14/2024 10:09	2 K.N
SW-03-11142024-F	E29Z4	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1611 (HNO3) (1)	SW-03	11/14/2024 10:09	
SW-05-11142024	E29Z5	Surface Water/ M. Hartman	Grab	TVOA(21), ICP-MS+Hg(21)	1615 (HCl), 1616 (HNO3) (5)	SW-05	11/14/2024 12:00	3 K.N
SW-05-11142024-F	E29Z6	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1617 (HNO3) (1)	SW-05	11/14/2024 12:00	
SW-07-11142024	E29Z7	Surface Water/ M. Hartman	Grab	TVOA(21), ICP-MS+Hg(21)	1621 (HCl), 1622 (HNO3) (4)	SW-07	11/14/2024 13:45	4 K.N
SW-07-11142024-F	E29Z8	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1623 (HNO3) (1)	SW-07	11/14/2024 13:45	
DUP-SW-01-11142024	E2A13	Surface Water/ M. Hartman	Grab	TVOA(21), ICP-MS+Hg(21)	1673 (HCl), 1674 (HNO3) (5)	DUP-SW-01	11/14/2024 12:00	
DUP-SW-01-11142024-F	E2A14	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1675 (HNO3) (1)	DUP-SW-01	11/14/2024 12:00	5 K.N

Special Instructions: SVOA+SIM (MA 3064.0) + 1,4-Dioxane SIM

244511-12

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=CLP Volatiles, TVOA=CLP Trace Volatiles, ICP-MS+Hg=CLP ICP-MS Metals+Hg, ICP-MS+Hg (diss)=CLP ICP-MS Metals+Hg (dissolved)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Mohdly Raza EA	11/14/24 EA		11-15-24 0920	16°C ILGur #1
					Custody seals intact
					Temp data present

CHAIN OF CUSTODY RECORD

DEPT. OF HEALTH & HUMAN SERVICES

CarrierName: FedEx

AirbillNo: 779967021635

Case #: 51878

No: 5-111424-164002-0072

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

[illegible]

Special Instructions: SVOA+SIM (MA 3064.0) + 1,4-Dioxane SIM

244513-14

Shipment for Case Complete? N

Samples Transferred From Chain of Custody

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM, ARO=CLP PCB Aroclors, 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
	Mackay Keller EA	11/14/24 18:30		11-15-24 0925	2.3' Tr. spec #1
					custody seals intact
					Temp still present

CHAIN OF CUSTODY RECORD

No: 5-111424-171037-0075


Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

[illegible][illegible]

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM, ARO=CLP PCB Aroclors, PEST=CLP Pesticides, ICP-MS+Hq=CLP ICP-MS Metals+Hq

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Madhu Balu EA	11/14/24 16:30		9:20 11-15-24	TL-Cont# 1 2-y.c
					cosby seal intact
					Temp Blank present

CHAIN OF CUSTODY RECORD

Date Shipped: 11/14/2024

NO: Alliance Technical Group 110
NO: 111424-173133-0070

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900


Lab Phone: 908-789-8900

[illegible]

244529-30

[illegible]

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM. ARO=CLP PCB Aroclors. PEST=CLP Pesticides. ICP-MS+Hn=ICP-MS Metals+Hn

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Moden Peller EA	11/14/14 18:30		11-15-24 0920	2-1 st IR GUC #1
					Custody seals intact
					Temp BIK. preserved

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 5-111524-101932-0081

Date Shipped: 11/15/2024

Lab: Alliance Technical Group LLC

Carrier Name: FedEx

Lab Contact: Mohammed Ahmed

Airbill No: 779882416111

Case #: 51878

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
SE-19-0-0-5-11152024	E29Y9	Sediment/ M. Hartman	Grab	SVOA+SIM+1,4-D SIM(21), ARO(21), PEST(21), ICP- MS+AES+Hg(21)	1591 (None), 1592 (None), 1593 (None), 1594 (None) (4)	SE-19	11/15/2024 15:10	✓ P4 1.9
SE-20-0-0-5-11152024	E29Z0	Sediment/ M. Hartman	Grab	SVOA+SIM+1,4-D SIM(21), ARO(21), PEST(21), ICP- MS+AES+Hg(21)	1596 (None), 1597 (None), 1598 (None), 1599 (None) (4)	SE-20	11/15/2024 15:30	✓ P4 1.9
SW-09-11142024	E29Z9	Surface Water/ M. Hartman	Grab	ICP-MS+Hg(21)	1628 (HNO3) (1)	SW-09	11/14/2024 15:35	✓ P4 1.9
SW-09-11142024-F	E2A00	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1629 (HNO3) (1)	SW-09	11/14/2024 15:35	✓ P4 1.9
SW-11-11152024	E2A01	Surface Water/ M. Hartman	Grab	ICP-MS+Hg(21)	1634 (HNO3) (2)	SW-11	11/15/2024 09:10	✓ P4 1.9
SW-11-11152024-F	E2A02	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1635 (HNO3) (2)	SW-11	11/15/2024 09:10	✓ P4 1.9
SW-13-11152024	E2A03	Surface Water/ M. Hartman	Grab	ICP-MS+Hg(21)	1640 (HNO3) (1)	SW-13	11/15/2024 10:20	✓ P4 1.9
SW-13-11152024-F	E2A04	Filtered Water/ M. Hartman	Grab	ICP-MS+Hg (diss)(21)	1641 (HNO3) (1)	SW-13	11/15/2024 10:20	✓ P4 1.9
SW-15-11152024	E2A05	Surface Water/ M. Hartman	Grab	ICP-MS+Hg(21)	1646 (HNO3) (1)	SW-15	11/15/2024 11:45	✓ P4 1.9

Sample(s) to be used for Lab Q.C.: SW-11-11152024 Tag 1634, SW-11-11152024-F Tag 1635 - Special Instructions: SVOA+SIM (MA 3064.0) + 1,4-Dioxane SIM

244509 - 244510

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

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM, ARO=CLP PCB Aroclors, PEST=CLP Pesticides, ICP-MS+AES+Hg=CLP ICP-MS+AES Metals+Hg, ICP-MS+Hg (diss)=CLP ICP-MS Metals+Hg (dissolved)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Mulla Palla EA	11/15/24 18:00	QR	11-16-24	PE-Cont 1 2.1
					Custody Seal Intact
					Top But sealed

CHAIN OF CUSTODY RECORD

No: 5-111524-101932-0081

Lab: Alliance Technical Group LLC


Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

[illegible]

Shipment for Case Complete? N

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM, ARO=CLP PCB Aroclors, PEST=CLP Pesticides, ICP-MS+AES+Hg=CLP ICP-MS+AES Metals+Hg, ICP-MS+Hg=CLP ICP-MS Metals+Hg, ICP-MS+Hg (diss)=CLP ICP-MS Metals+Hg (dissolved)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Wally Bob EA	11/18/24 18:00		9:05 11-18-24	IR Case # 1 2.1
					Custody Seal Intact
					T. 0 Blot m

Custody Seal intact
Twp Blk present

No: 5-111524-150311-0091


Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

[illegible][illegible]

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM, ARO=CLP PCB Aroclors, 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
	Melvin Robb EA	11/15/24 16:00		11-16-24 8:00	IF 100% 2.0-
					Custody Seal Intact
					Temp Blk present

CHAIN OF CUSTODY RECORD

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900


[illegible]

244507-08

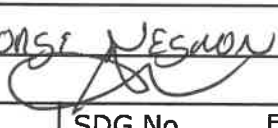
Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: SVOA+SIM+1,4-D SIM=CLP Semivolatiles+SIM, ARO=CLP PCB Aroclors, 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
	Molly Roda EA	11/15/24 10:00		11-16-24 0905	2-1-C JNL G202 #1
					acoustic seals intact
					Temp Data - present


FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>8</u>
Received By (Print Name) <u>GONGI NESADU</u>		Log-in Date 11/15/2024
Received By (Signature) 		
Case Number 51878	SDG No. E29Z5	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244511-12</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779967017584</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.6</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>11/15/2024</u>
12. Time Received	<u>09:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E29Z1	1.6	1604	P4877-01	Intact
2	E29Z3	1.6	1610	P4877-02	Intact
3	E29Z5	1.6	1616	P4877-03	Intact
4	E29Z7	1.6	1622	P4877-04	Intact
5	E2A13	1.6	1674	P4877-05	Intact
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>11/17/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>2</u> of <u>1</u>
Received By (Print Name) <u>Gorge McEwan</u>		Log-in Date 11/15/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51878	SDG No. E29Z5	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244513-14</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779967021635</u> <u>2</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>11/15/2024</u>
12. Time Received	<u>09:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E2A19	1.6	1684	P4877-06	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/15/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>8</u>
Received By (Print Name) <u>George Meson</u>		Log-in Date 11/15/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51878	SDG No. E29Z5	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244527-28</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779967032242</u> <u>3</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>11/15/2024</u>
12. Time Received	<u>09:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E2A22	1.6	1699	P4877-07	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/15/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC	Page <u>4</u> of <u>4</u>
Received By (Print Name) <u>GORGE W. FUGON</u>	Log-in Date 11/15/2024
Received By (Signature) <u>[Signature]</u>	
Case Number 51878	SDG No. E2925 MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244529-30</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779967034587</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>11/15/2024</u>
12. Time Received	<u>09:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E2A23	1.6	1704	P4877-08	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/15/24</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>8</u>
Received By (Print Name) <u>Cassanova Rene</u>		Log-in Date 11/16/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51878	SDG No. E29Z5	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244509-10</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779982416111</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>11/16/2024</u>
12. Time Received	<u>09:05</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E29Z9	1.9	1628	P4877-09	Intact
2	E2A01	1.9	1634	P4877-10	Intact
3	E2A01D	1.9	1634	P4877-11	Intact
4	E2A01S	1.9	1634	P4877-12	Intact
5	E2A03	1.9	1640	P4877-13	Intact
6	E2A05	1.9	1646	P4877-14	Intact
7	E2A07	1.9	1652	P4877-15	Intact
8	E2A09	1.9	1658	P4877-16	Intact
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/18/24</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>8</u>
Received By (Print Name) <u>[Signature]</u>		Log-in Date 11/16/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51878	SDG No. E2925	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244533-34</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779982390195</u> <u>6</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.7</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>11/16/2024</u>
12. Time Received	<u>09:05</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E2A20	1.9	1689	P4877-17	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/18/24</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>8</u>
Received By (Print Name) <u>Aganava Rera</u>		Log-in Date 11/16/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51878	SDG No. E2925	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244503-04</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779989400140</u> <u>7</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>11/16/2024</u>
12. Time Received	<u>09:05</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E2A24	1.9	1709	P4877-18	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/18/24</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>9</u>
Received By (Print Name) <u>[Signature]</u>		Log-in Date 11/16/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51878	SDG No. E29Z5	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>244507-08</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779989407501</u> <u>8</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>11/16/2024</u>
12. Time Received	<u>09:05</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	E29S9	1.9	1716	P4877-19	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/18/24</u>	Logbook Page No. N/A

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

LAB NAME	Alliance Technical Group, LLC		
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51878	SDG NO.	E2925
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	10	✓	
3. Sample Log-In Sheet (DC-1)	11	18	✓	
4. CSF Inventory Sheet (DC-2)	19	21	✓	
5. SDG Narrative	22	25	✓	
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	26	42	✓	
18. Instrument raw data by instrument in analysis order	43	453	✓	
Other Data				
19. Standard and Reagent Preparation Logs	454	593	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	594	595	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	596	599	✓	
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	600	616	✓	
27 . Instrument raw data by instrument in analysis order	617	619	✓	

Other Data

28 . Standard and Reagent Preparation Logs	620	650	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	651	652	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	653	656	✓	
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 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
657	664	✓	
NA	NA	✓	
665	666	✓	
NA	NA	✓	
667	668	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # E29Z5

CASE # 51878

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P4877

A. Number of Samples and Date of Receipt

17 Water samples were delivered to the laboratory intact on 11/15/2024, 11/16/2024.

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: 1.6°C, 2.3°C, 2.4°C, 2.1°C, 1.7°C, 2.0°C

D. Analytical Techniques:

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

E. Calculation:

Calculation for ICP-MS Water Sample:

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

V_i

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



**284 Sheffield Street
Mountainside, NJ 07092**

Example Calculation For Sample E29Z1 For Arsenic:

If C = 1.51 ppb

Vf = 50 ml

Vi = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 1.51 \times \frac{50}{50} \times 1$$

$$= 1.51 \mu\text{g/L}$$

$$= 1.5 \mu\text{g/L} \text{ (Reported Result with Signification)}$$

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 Sample E29Z7:

If C = 0.052 ppb

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.052 \times 1$$

$$= 0.052 \mu\text{g/L}$$

$$= 0.052 \mu\text{g/L} \text{ (Reported Result with Signification)}$$

F. 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.



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