

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHHY3
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MBHHY3</u>	<u>P4941-01</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHHY4</u>	<u>P4941-02</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHHZ3</u>	<u>P4941-03</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ19</u>	<u>P4941-04</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ26</u>	<u>P4941-05</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ43</u>	<u>P4941-06</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ44</u>	<u>P4941-07</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ45</u>	<u>P4941-08</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ46</u>	<u>P4941-09</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ47</u>	<u>P4941-10</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJ48</u>	<u>P4941-11</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJD8</u>	<u>P4941-12</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJD9</u>	<u>P4941-13</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJE0</u>	<u>P4941-14</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJE1</u>	<u>P4941-15</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJE2</u>	<u>P4941-16</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJE3</u>	<u>P4941-17</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJE4</u>	<u>P4941-18</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJF7</u>	<u>P4941-19</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJF7D</u>	<u>P4941-20</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJF7S</u>	<u>P4941-21</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHJF8</u>	<u>P4941-22</u>	<u>X</u>	<u> </u>	<u> </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: _____

CHAIN OF CUSTODY RECORD

No: 2-112024-103332-0010

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/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P143-SB-16-ZZ4-30	MBHHY3	Soil/		ICP-AES(35)	2147 (Wet ice < 6 C) (1)	P143-SB-16	11/18/2024 11:50	✓
P143-SB-16-Z30-36	MBHHY4	Soil/		ICP-AES(35)	2148 (Wet ice < 6 C) (1)	P143-SB-16	11/18/2024 11:50	✓
<div style="text-align: center;">C/A</div>								
<div style="text-align: center;"></div>								
<div style="text-align: center;">11/20/24</div>								

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #


Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
1 Cooler	 J. Cooper	11/20/24 1515	 J. Cooper	11-21-24 1045	2-1°C ILG 500 #1
	 N/A		 J. Cooper		Asst. by 500s subject
			 11/20/24		Temp 31k. passed

No: 2-112024-141311-0011

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/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P143-SB-19-Z06-12	MBHHY7	Soil		ICP-AES(35)	2155 (1)	P143-SB-19	11/18/2024 14:25	
P143-SB-19-Z12-18	MBHHY8	Soil		ICP-AES(35)	2156 (1)	P143-SB-19	11/18/2024 14:25	
P143-SB-19-Z18-24	MBHHY9	Soil		ICP-AES(35)	2157 (1)	P143-SB-19	11/18/2024 14:25	
P143-SB-19-Z24-30	MBHHZ0	Soil		ICP-AES(35)	2158 (1)	P143-SB-19	11/18/2024 14:25	
P143-SB-19-Z30-36	MBHHZ1	Soil		ICP-AES(35)	2159 (1)	P143-SB-19	11/18/2024 14:25	
P126-SB-07-Z06-12-FD	MBHHZ2	Soil		ICP-AES(35)	5440 (1)	P126-SB-07	11/18/2024 12:10	
RB06-11202024	MBHHZ3	Water		ICP-AES(35)	5441 (1)	RB06-11202024	11/20/2024 15:30	✓ 36
<div style="text-align: center;">  11/14/24 11/20/24 </div>								

Special Instructions: Additional sample volume provided for MBHHV6 and MBHIX4 is for MS/MSD. Samples MBHHY5, MBHHY6, MBHHY7 and MBHHY8. Sample MBHHZ3 is a rinse blank.

Shipment for Case Complete? N

Samples Transferred From Chain of Custody

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
2 Corder		11/20/24 1545		11-21-24 1045	1-9°C TA good th
		11/14			custody scale intact
					Temp OK - preserved

No: 2-112124-122051-0012

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

[illegible]**Samples Transferred From Chain of Custody #**

Analysis Key: ICP-AES=CLP Routine - \$FAM01.1/L\$ASD SOP C-109 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
2 Cooler	<i>[Signature]</i> EDP	11/21/24 15:05	<i>[Signature]</i>	11-22-24 1005	1.4°C IL N/A #1
	<i>[Signature]</i>	N/A	<i>[Signature]</i>		custody seals intact
		11/24/24			Temp. still present

CHAIN OF CUSTODY RECORD

No: 2-112124-142425-0013

Lab Phone: 908-789-8900




[illegible]

Special Instructions: Samples MBHJ02, MBHJ03, MBHJ04, MBHJ05, MBHJ28, MBHJ29, MBHJ31, MBHJ32, MBHJ42, MBHJ43, MBHJ47 have limited sample mass.

Shipment for Case Complete? N

[illegible]

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
1 Cooler	 Wiser	11/21/24 1525		11-22-24 1605	1-9's The Green Hill
			11/14 		custody seals intact
			11/24/24		Temp 24.0. Power

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-112224-143209-0019

Date Shipped: 11/22/2024

Carrier Name: FedEx

Airbill No: 7701 5925 3250

Case #: 51879

Cooler #: 6

Lab: Alliance Technical Group LLC

Lab Contact: Mohammed Ahmed

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
P143-SB-31-Z00-02	MBHJD8	Soil		ICP-AES(35)	5465 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-31-Z02-06	MBHJD9	Soil		ICP-AES(35)	5466 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-31-Z06-12	MBHJE0	Soil		ICP-AES(35)	5467 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-31-Z12-18	MBHJE1	Soil		ICP-AES(35)	5468 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-31-Z18-24	MBHJE2	Soil		ICP-AES(35)	5469 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-31-Z24-30	MBHJE3	Soil		ICP-AES(35)	5470 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-31-Z30-36	MBHJE4	Soil		ICP-AES(35)	5471 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	✓
P143-SB-18-Z00-02	MBHJF7	Soil		ICP-AES(35)	2166 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	✓
P143-SB-18-Z02-06	MBHJF8	Soil		ICP-AES(35)	2167 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	✓
P143-SB-18-Z06-12	MBHJF9	Soil		ICP-AES(35)	2168 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	✓

Sample(s) to be used for Lab QC: P143-SB-18-Z00-02 Tag 2166 - Special Instructions: Samples MBHJF7 and MBHJG2 are MS/MSDs. Samples MBHJD8, MBHJE0, MBHJH1, MBHJE2, MBHJE3, MBHJG4, MBHJG5, MBHJG6, MBHJG7, MBHJG8, MBHJG9, MBHJH0, MBHJF8 and MBHJF9 have limited sample mass.

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LASASD SOP C-109 Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
2 Cores	 COSP	11/22/24 1535	 Deun	11/23/24 10:00	2-3' IR cut 1
	 N/A			11/22/24	Temp blood (near)
					Authy Sea Truck

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC	Page <u>1</u> of <u>5</u>
Received By (Print Name) <u>ROSE NEWMAN</u>	Log-in Date 11/21/2024
Received By (Signature) <u>[Signature]</u>	
Case Number 51879	SDG No. MBHHY3 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>770105088524</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>11/21/2024</u>
12. Time Received	<u>10:45</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHHY3	N/A	2147	P4941-01	Intact
2	MBHHY4	N/A	2148	P4941-02	Intact
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>11/21/24</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>5</u>
Received By (Print Name) <u>Bouge P. S. M. W.</u>		Log-in Date 11/21/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHHY3	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>770105088605</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.9</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>11/21/2024</u>
12. Time Received	<u>10:45</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHHZ3	1.3	5441	P4941-03	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>11/21/24</u>	Logbook Page No. N/A

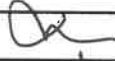
FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>5</u>
Received By (Print Name) <u>GONGE NESADU</u>		Log-in Date 11/22/2024
Received By (Signature) 		
Case Number 51879	SDG No. MBHHY3	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>770131482730</u> <u>3</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.4</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>11/22/2024</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	MBHJ19	N/A	2180	P4941-04	Intact
2	MBHJ26	N/A	5442	P4941-05	Intact
3	MBHJ48	1.6	5450	P4941-11	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By 	Logbook No. N/A
Date <u>11/22/24</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>5</u>
Received By (Print Name) <u>Gouge Nelson</u>		Log-in Date 11/22/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHHY3	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>770131481826</u> <u>4</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.9</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>11/22/2024</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	MBHJ43	N/A	2257	P4941-06	Intact
2	MBHJ44	N/A	2258	P4941-07	Intact
3	MBHJ45	N/A	2259	P4941-08	Intact
4	MBHJ46	N/A	2190	P4941-09	Intact
5	MBHJ47	N/A	2191	P4941-10	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 <u>[Signature]</u>	Logbook No. N/A
Date <u>11/22/24</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>5</u>
Received By (Print Name) <u>Cassandra Pina</u>		Log-in Date 11/23/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHHY3	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>770159253250</u> <u>5</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>11/23/2024</u>
12. Time Received	<u>10:00</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHJD8	N/A	5465	P4941-12	Intact
2	MBHJD9	N/A	5466	P4941-13	Intact
3	MBHJE0	N/A	5467	P4941-14	Intact
4	MBHJE1	N/A	5468	P4941-15	Intact
5	MBHJE2	N/A	5469	P4941-16	Intact
6	MBHJE3	N/A	5470	P4941-17	Intact
7	MBHJE4	N/A	5471	P4941-18	Intact
8	MBHJF7	N/A	2166	P4941-19	Intact
9	MBHJF7D	N/A	2166	P4941-20	Intact
10	MBHJF7S	N/A	2166	P4941-21	Intact
11	MBHJF8	N/A	2167	P4941-22	Intact
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>11/25/24</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.	51879	SDG NO.	MBHHY3
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	6	✓	
3. Sample Log-In Sheet (DC-1)	7	11	✓	
4. CSF Inventory Sheet (DC-2)	12	14	✓	
5. SDG Narrative	15	17	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	18	19	✓	

Analysis Forms and Data (ICP-AES)

8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	20	39	✓	
9. Instrument raw data by instrument in analysis order	40	1199	✓	

Other Data

10. Standard and Reagent Preparation Logs	1200	1370	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1371	1374	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1375	1424	✓	
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	NA	NA	✓	
18. Instrument raw data by instrument in analysis order	NA	NA	✓	

Other Data

19. Standard and Reagent Preparation Logs	NA	NA	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

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

Analysis Forms and Data (Mercury)

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

Other Data

28 . Standard and Reagent Preparation Logs	NA	NA	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
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 5)

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
1425	1429	✓	
NA	NA	✓	
1430	1431	✓	
NA	NA	✓	
1432	1433	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MBHHY3

CASE # 51879

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P4941

A. Number of Samples and Date of Receipt

18 Soil & 02 Water samples were delivered to the laboratory intact on 11/21/2024., 11/22/2024., 11/23/2024.

B. Parameters

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

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.1°C , 1.9°C, 1.4°C, 2.3°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue: A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

E. Corrective Action taken for above:

Resolution: 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.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.



**284 Sheffield Street
Mountainside, NJ 07092**

G. Calculation:

Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)

W = Initial aliquot amount (g) (Sample amount taken in prep)

S = % Solids / 100 (Fraction of Percent Solids)

DF = Dilution Factor

Example Calculation For Sample MBHHY3 For Antimony:

If C = 0.0096601 ppm

V_f = 100 ml

W = 1.34g

S = 0.878 (87.8/100)

DF = 1

$$\begin{aligned} \text{Concentration (mg/kg)} &= 0.0096601 \times \frac{100}{1.34 \times 0.878} \times 1 \\ &= 0.821074 \text{ mg/kg} \\ &= 0.82 \text{ mg/kg (Reported Result with Signification)} \end{aligned}$$

Calculation for ICP-AES Water Sample:

$$\text{Concentration or Result (}\mu\text{g/L)} = C \times \frac{V_f}{V_i} \times DF \times 1000$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)

V_f = Final digestion volume (mL)

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

DF = Dilution Factor



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Mountainside, NJ 07092**

Example Calculation For Sample MBHHZ3 For Calcium:

If C = 0.1699997 ppm

Vf = 50 ml

Vi = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.1699997 \times \frac{50}{50} \times 1 \times 1000$$

$$= 169.9997 \mu\text{g/L}$$

$$= 170 \mu\text{g/L (Reported Result with Signification)}$$

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, Silver, Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Cobalt.

Chemical or physical interference effect was suspected and the data for all affected analytes in the sample received and associated with this serial dilution were flagged.

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



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/26/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 12:50
In Date: 11/25/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:37
Out Date: 11/26/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133601

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4941-01	MBHHY3	1	1.14	8.46	9.6	8.57	87.8	
P4941-02	MBHHY4	2	1.15	8.82	9.97	8.92	88.1	
P4941-04	MBHJ19	3	1.15	8.67	9.82	9.07	91.3	
P4941-05	MBHJ26	4	1.15	8.73	9.88	8.25	81.3	
P4941-06	MBHJ43	5	1.16	8.51	9.67	9.13	93.7	
P4941-07	MBHJ44	6	1.14	8.85	9.99	9.18	90.8	
P4941-08	MBHJ45	7	1.14	8.59	9.73	8.58	86.6	
P4941-09	MBHJ46	8	1.15	8.82	9.97	8.69	85.5	
P4941-10	MBHJ47	9	1.12	8.76	9.88	9.11	91.2	
P4941-12	MBHJD8	10	1.12	8.82	9.94	8.17	79.9	
P4941-13	MBHJD9	11	1.15	8.38	9.53	7.93	80.9	
P4941-14	MBHJE0	12	1.15	8.82	9.97	8.74	86.1	
P4941-15	MBHJE1	13	1.15	8.42	9.57	7.83	79.3	
P4941-16	MBHJE2	14	1.13	8.64	9.77	8.12	80.9	
P4941-17	MBHJE3	15	1.19	8.62	9.81	8.47	84.5	
P4941-18	MBHJE4	16	1.14	8.40	9.54	8.04	82.1	
P4941-19	MBHJF7	17	1.13	8.67	9.8	7.67	75.4	
P4941-20	MBHJF7D	18	1.13	8.67	9.8	7.67	75.4	
P4941-21	MBHJF7S	19	1.13	8.67	9.8	7.67	75.4	
P4941-22	MBHJF8	20	1.19	8.56	9.75	7.63	75.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

133601

WorkList Name : %1-P4941

WorkList ID : 185755

Department : Wet-Chemistry

Date : 11-25-2024 12:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4941-01	MBHHY3	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-02	MBHHY4	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-04	MBHJ19	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-05	MBHJ26	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-06	MBHJ43	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-07	MBHJ44	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-08	MBHJ45	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-09	MBHJ46	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-10	MBHJ47	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-12	MBHJD8	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-13	MBHJD9	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-14	MBHJE0	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-15	MBHJE1	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-16	MBHJE2	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-17	MBHJE3	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-18	MBHJE4	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-19	MBHJF7	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-20	MBHJF7D	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-21	MBHJF7S	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO
P4941-22	MBHJF8	Solid	Percent Solids	Cool 4 deg C	USEP01	C23	11/18/2024	Chemtech -SO

Date/Time 11/25/24 12:10

Raw Sample Received by: 28 WJC

Raw Sample Relinquished by: 28 WJC

Date/Time

11/25/24

Raw Sample Received by:

Raw Sample Relinquished by:

13:00

28 WJC