

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHK33
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MBHK33</u>	<u>P5036-01</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF3</u>	<u>P5036-02</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF4</u>	<u>P5036-03</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF5</u>	<u>P5036-04</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF6</u>	<u>P5036-05</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF7</u>	<u>P5036-06</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF8</u>	<u>P5036-07</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF8D</u>	<u>P5036-08</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF8S</u>	<u>P5036-09</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKF9</u>	<u>P5036-10</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKG0</u>	<u>P5036-11</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKG1</u>	<u>P5036-12</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKD5</u>	<u>P5036-13</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKD7</u>	<u>P5036-14</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKD8</u>	<u>P5036-15</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKD9</u>	<u>P5036-16</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKE0</u>	<u>P5036-17</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKE1</u>	<u>P5036-18</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKE2</u>	<u>P5036-19</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKE3</u>	<u>P5036-20</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKE4</u>	<u>P5036-21</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHK51</u>	<u>P5036-22</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: _____

USEPA CLP COC (LAB COPY)

Date Shipped: 11/26/2024

Carrier Name: FedEx

Airbill No: 7702 6139 1576

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 1

No: 2-112624-092004-0026

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
P175-SB-01-Z30-36	MBHK33	Soil		ICP-AES(35)	4863 (Wet ice < 6 C) (1)	P175-SB-01	11/21/2024 09:25	1
P175-SB-24-Z00-02	MBHKF3	Soil		ICP-AES(35)	4848 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	2
P175-SB-24-Z02-06	MBHKF4	Soil		ICP-AES(35)	4849 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	3
P175-SB-24-Z06-12	MBHKF5	Soil		ICP-AES(35)	4860 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	4
P175-SB-24-Z12-18	MBHKF6	Soil		ICP-AES(35)	4861 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	5
P175-SB-24-Z18-24	MBHKF7	Soil		ICP-AES(35)	4862 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	6
P175-SB-24-Z24-30	MBHKF8	Soil		ICP-AES(35)	4863 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	20
P175-SB-24-Z30-36	MBHKF9	Soil		ICP-AES(35)	4864 (Wet ice < 6 C) (1)	P175-SB-24	11/20/2024 14:55	✓
P174-SB-01-Z00-02-FD	MBHKG0	Soil		ICP-AES(35)	5491 (Wet ice < 6 C) (1)	P174-SB-01	11/20/2024 09:45	9
P175-SB-01-Z12-18-FD	MBHKG1	Soil		ICP-AES(35)	5492 (Wet ice < 6 C) (1)	P175-SB-01	11/21/2024 09:25	10

Sample(s) to be used for Lab QC: P175-SB-24-Z24-30 Tag 4863 - Special Instructions: Samples MBHKF8 and MBHK22 are MS/MSDs. Samples MBHK27, MBHK28, MBHK30 and MBHKG1 have limited sample mass.

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	<i>[Signature]</i> TUSP	11/26/24 11:35	<i>[Signature]</i> N/A	11-27-24 1:05	Temp Blank present

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-112624-102130-0027

Date Shipped: 11/26/2024

Lab: Alliance Technical Group LLC

Carrier Name: FedEx

Case #: 51879

Lab Contact: Mohammad Ahmed

Airbill No: 7702 6139 3270

Cooler #: 2

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
P175-SB-21-Z12-18	MBHKD5	Soil/		ICP-AES(35)	4830 (Wet ice < 6 C) (1)	P175-SB-21	11/20/2024 14:45	11
P175-SB-21-Z18-24	MBHKD6	Soil/		ICP-AES(35)	4831 (Wet ice < 6 C) (1)	P175-SB-21	11/20/2024 14:45	02
P175-SB-21-Z24-30	MBHKD7	Soil/		ICP-AES(35)	4832 (Wet ice < 6 C) (1)	P175-SB-21	11/20/2024 14:45	12
P175-SB-21-Z30-36	MBHKD8	Soil/		ICP-AES(35)	4833 (Wet ice < 6 C) (1)	P175-SB-21	11/20/2024 14:45	13
P175-SB-22-Z00-02	MBHKD9	Soil/		ICP-AES(35)	4834 (Wet ice < 6 C) (1)	P175-SB-22	11/20/2024 14:45	14
P175-SB-22-Z02-06	MBHKE0	Soil/		ICP-AES(35)	4835 (Wet ice < 6 C) (1)	P175-SB-22	11/20/2024 14:45	15
P175-SB-22-Z06-12	MBHKE1	Soil/		ICP-AES(35)	4836 (Wet ice < 6 C) (1)	P175-SB-22	11/20/2024 14:45	16
P175-SB-22-Z12-18	MBHKE2	Soil/		ICP-AES(35)	4837 (Wet ice < 6 C) (1)	P175-SB-22	11/20/2024 14:45	17
P175-SB-22-Z18-24	MBHKE3	Soil/		ICP-AES(35)	4838 (Wet ice < 6 C) (1)	P175-SB-22	11/20/2024 14:45	18
P175-SB-22-Z24-30	MBHKE4	Soil/		ICP-AES(35)	4839 (Wet ice < 6 C) (1)	P175-SB-22	11/20/2024 14:45	19

Sample(s) to be used for Lab QC: P175-SB-21-Z18-24 Tag 4831 - Special Instructions: Samples MBHK40 and MBHKD6 are MS/MSDs.

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	 CUSP	11/26/24 1645	 CUSP	1005 11-27-24	IR Rev #1 28
			 CUSP	11/26/24	Custody Seal Intact
					Temp 82k preserved

68HERH20D0011

SDG # MBHK33

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-112624-102812-0028

Date Shipped: 11/26/2024

Lab: Alliance Technical Group LLC

Carrier/Name: FedEx

Case #: 51879

Lab Contact: Mohammad Ahmed

Airbill No: 7702 6139 3237

Cooler #: 3

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
P175-SB-05-Z12-18	MBHK51	Soil/		ICP-AES(35)	4698 (Wet ice < 6 C) (1)	P175-SB-05	11/21/2024 09:30	20
P175-SB-05-Z18-24	MBHK52	Soil/		ICP-AES(35)	4699 (Wet ice < 6 C) (1)	P175-SB-05	11/21/2024 09:30	
P175-SB-05-Z24-30	MBHK53	Soil/		ICP-AES(35)	4730 (Wet ice < 6 C) (1)	P175-SB-05	11/21/2024 09:30	
P175-SB-05-Z30-36	MBHK54	Soil/		ICP-AES(35)	4731 (Wet ice < 6 C) (1)	P175-SB-05	11/21/2024 09:30	
P175-SB-18-Z00-02	MBHK58	Soil/		ICP-AES(35)	4776 (Wet ice < 6 C) (1)	P175-SB-18	11/20/2024 14:25	
P175-SB-18-Z02-06	MBHK59	Soil/		ICP-AES(35)	4777 (Wet ice < 6 C) (1)	P175-SB-18	11/20/2024 14:25	
P175-SB-18-Z06-12	MBHK60	Soil/		ICP-AES(35)	4778 (Wet ice < 6 C) (1)	P175-SB-18	11/20/2024 14:25	OK
P175-SB-18-Z12-18	MBHK61	Soil/		ICP-AES(35)	4779 (Wet ice < 6 C) (1)	P175-SB-18	11/20/2024 14:25	
P175-SB-18-Z18-24	MBHK62	Soil/		ICP-AES(35)	4820 (Wet ice < 6 C) (1)	P175-SB-18	11/20/2024 14:25	
P175-SB-18-Z24-30	MBHK63	Soil/		ICP-AES(35)	4821 (Wet ice < 6 C) (1)	P175-SB-18	11/20/2024 14:25	

Sample(s) to be used for Lab QC: P175-SB-18-Z06-12 Tag 4778 - Special Instructions: Samples MBHK60 and MBHK44 are MS/MSDs. Samples MBHK45, MBHK46 and MBHK47 have limited sample mass.

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

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

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
1 cooler	<i>Chaital WSP</i>	11/26/2024 16:53	<i>R. Melendez</i>	10:05 11/27/24	FE gun #1 3.10
			<i>YHA Chaital</i>	11/26/24	Temp Blank present
					Custody Seal intact

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>2</u>
Received By (Print Name) <u>Agustina Peria</u>		Log-in Date 11/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHK33	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>770261391576</u> <u>1</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>11/27/2024</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	MBHK33	N/A	4683	P5036-01	Intact
2	MBHKF3	N/A	4848	P5036-02	Intact
3	MBHKF4	N/A	4849	P5036-03	Intact
4	MBHKF5	N/A	4860	P5036-04	Intact
5	MBHKF6	N/A	4862	P5036-05	Intact
6	MBHKF7	N/A	4862	P5036-06	Intact
7	MBHKF8	N/A	4863	P5036-07	Intact
8	MBHKF8D	N/A	4863	P5036-08	Intact
9	MBHKF8S	N/A	4863	P5036-09	Intact
10	MBHKF9	N/A	4864	P5036-10	Intact
11	MBHKG0	N/A	5491	P5036-11	Intact
12	MBHKG1	N/A	5492	P5036-12	Intact
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>11/27/24</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>3</u>
Received By (Print Name) <u>Suzanne Rene</u>		Log-in Date 11/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHK33	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>770261393270</u> <u>2</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>11/27/2024</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	MBHKD5	N/A	4830	P5036-13	Intact
2	MBHKD7	N/A	4832	P5036-14	Intact
3	MBHKD8	N/A	4833	P5036-15	Intact
4	MBHKD9	N/A	4834	P5036-16	Intact
5	MBHKE0	N/A	4835	P5036-17	Intact
6	MBHKE1	N/A	4836	P5036-18	Intact
7	MBHKE2	N/A	4837	P5036-19	Intact
8	MBHKE3	N/A	4838	P5036-20	Intact
9	MBHKE4	N/A	4839	P5036-21	Intact
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>11/27/24</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>3</u>
Received By (Print Name) <u>Cassiana Rini</u>		Log-in Date 11/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHK33	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>770261393237</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>11/27/2024</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	MBHK51	N/A	4698	P5036-22	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>11/27/24</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.	MBHK33
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	4	✓	
3. Sample Log-In Sheet (DC-1)	5	7	✓	
4. CSF Inventory Sheet (DC-2)	8	10	✓	
5. SDG Narrative	11	13	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	14	16	✓	

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	17	36	✓	
9. Instrument raw data by instrument in analysis order	37	540	✓	

Other Data

10. Standard and Reagent Preparation Logs	541	694	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	695	696	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	697	718	✓	
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	✓	

	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	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 3)

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)

(Signature)

Nimisha Pandya, Document Control Officer

(Print Name & Title)

(Date)

Audited by:
(EPA)

(Signature)

(Print Name & Title)

(Date)

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
719	721	✓	
NA	NA	✓	
722	723	✓	
NA	NA	✓	
724	725	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MBHK33

CASE # 51879

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P5036

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 11/27/2024.

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: 2.6°C, 2.8°C, 3.1°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.



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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 MBHK33 For Arsenic:

If C = 0.1692842 ppm

V_f = 100 ml

W = 1.22 g

S = 0.851(85.1/100)

DF = 1

$$\text{Concentration (mg/kg)} = 0.1692842 \times \frac{100}{1.22 \times 0.851} \times 1$$

$$= 16.3052 \text{ mg/kg}$$

$$= 16 \text{ mg/kg (Reported Result with Signification)}$$

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 Lead, Silver, Thallium. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for , Cobalt, Magnesium.

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.



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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: 12/3/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 13:50
In Date: 12/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:05
Out Date: 12/03/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133681

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
P5036-01	MBHK33	1	1.18	8.59	9.77	8.49	85.1	
P5036-02	MBHKF3	2	1.19	8.63	9.82	7.52	73.3	
P5036-03	MBHKF4	3	1.15	8.82	9.97	7.94	77.0	
P5036-04	MBHKF5	4	1.17	8.60	9.77	8.13	80.9	
P5036-05	MBHKF6	5	1.19	8.58	9.77	8.52	85.4	
P5036-06	MBHKF7	6	1.16	8.44	9.6	8.58	87.9	
P5036-07	MBHKF8	7	1.19	8.73	9.92	9.29	92.8	
P5036-08	MBHKF8D	8	1.19	8.73	9.92	9.29	92.8	
P5036-09	MBHKF8S	9	1.19	8.73	9.92	9.29	92.8	
P5036-10	MBHKF9	10	1.14	8.85	9.99	8.83	86.9	
P5036-11	MBHKG0	11	1.15	8.83	9.98	7.91	76.6	
P5036-12	MBHKG1	12	1.18	8.59	9.77	8.34	83.4	
P5036-13	MBHKD5	13	1.15	8.53	9.68	8.11	81.6	
P5036-14	MBHKD7	14	1.17	8.80	9.97	8.85	87.3	
P5036-15	MBHKD8	15	1.19	8.67	9.86	8.84	88.2	
P5036-16	MBHKD9	16	1.12	8.86	9.98	8.04	78.1	
P5036-17	MBHKE0	17	1.15	8.40	9.55	7.93	80.7	
P5036-18	MBHKE1	18	1.18	8.67	9.85	8.36	82.8	
P5036-19	MBHKE2	19	1.15	8.36	9.51	8.3	85.5	
P5036-20	MBHKE3	20	1.16	8.46	9.62	8.68	88.9	
P5036-21	MBHKE4	21	1.13	8.76	9.89	8.88	88.5	
P5036-22	MBHK51	22	1.15	8.70	9.85	8.66	86.3	

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

WORKLIST(Hardcopy Internal Chain)

133681

WorkList Name : \$1-p5036

WorkList ID : 185898

Department : Wet-Chemistry

Date : 12-02-2024 11:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5036-01	MBHK33	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/21/2024	Chemtech -SO
P5036-02	MBHKF3	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-03	MBHKF4	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-04	MBHKF5	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-05	MBHKF6	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-06	MBHKF7	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-07	MBHKF8	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-08	MBHKF8D	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-09	MBHKF8S	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-10	MBHKF9	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-11	MBHKG0	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-12	MBHKG1	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-13	MBHKD5	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/21/2024	Chemtech -SO
P5036-14	MBHKD7	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-15	MBHKD8	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-16	MBHKD9	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-17	MBHKE0	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-18	MBHKE1	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-19	MBHKE2	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-20	MBHKE3	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO
P5036-21	MBHKE4	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/20/2024	Chemtech -SO

Date/Time 12/02/24 13:25
Raw Sample Received by: JB WPC
Raw Sample Relinquished by: JTCsm

Date/Time 12/02/24 14:00
Raw Sample Received by: JTCsm
Raw Sample Relinquished by: JB WPC

WORKLIST(Hardcopy Internal Chain)

133681

WorkList Name : \$1-p5036

WorkList ID : 185898

Department : Wet-Chemistry

Date : 12-02-2024 11:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5036-22	MBHK51	Solid	Percent Solids	Cool 4 deg C	USEP01	C31	11/21/2024	Chemtech -SO

Date/Time 12/02/24 13:25
Raw Sample Received by: JF (sm)
Raw Sample Relinquished by: JF (sm)

Date/Time 12/02/24 14:00
Raw Sample Received by: JF (sm)
Raw Sample Relinquished by: JF (sm)