SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJF5

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MBHJF5	P4984-01	X			
MBHJF6	P4984-02	X			
MBHJL8	P4984-03	X			
MBHJT2	P4984-04	X			
MBHJT3	P4984-05	X			
MBHJT1	P4984-06	X			
MBHJT4	P4984-07	X			
MBHJT5	P4984-08	X			
MBHJP6	P4984-09	X			
MBHJQ4	P4984-10	X			
MBHJQ5	P4984-11	X			
MBHJQ6	P4984-12	X			
MBHJQ7	P4984-13	X			
MBHJQ8	P4984-14	X			
MBHJQ9	P4984-15	X			
MBHJR0	P4984-16	X			
MBHJR1	P4984-17	X			
MBHJR2	P4984-18	X			
MBHJR3	P4984-19	X			
MBHJR3D	P4984-20	X			
MBHJR3S	P4984-21	X			
MBHJR4	P4984-22	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:

68HERH20D0011

SDG # MBHJF5

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5924 9441

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 5

No: 2-112224-134050-0018

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-07-Z30-36	MBHJF5	Soil/		ICP-AES(35)	2115 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	
P143-SB-07-Z30-36-FD	MBHJF6	Soil/		ICP-AES(35)	5476 (Wet ice < 6 C) (1)	P143-SB-07	11/18/2024 11:15	

N/A 11/22/24

Special Instructions: Sample MBHJF4 is an MS/MSD. Samples MBHJC40, MBHJC39, MBHJC38, MBHJC37, MBHJC36, MBHJC35, MBHJC34, MBHJD1 MBHJD2, MBHJD3, MBHJD4, MBHJD5, MBHJD7, MBHJF5, MBHJF3, MBHJF2, MBHJF1, MBHJF0 and MBHJE9 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	WSP	11/22/24 15:15		11/23/24 10:00	1.3° IR gun #1
	N/A	11/22/24			Temp blank Present
					Custody Seal Present

68HERH20D0011

SDG # MBHJF5

USEPA CLP COC (LAB COPY)

DateShipped: 11/25/2024

CarrierName: FedEx

AirbillNo: 7702 2471 0660

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 1

No: 2-112524-084016-0020

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
P168-SB-02-Z30-36	MBHJL8	Soil/		ICP-AES(35)	3736 (Wet ice < 6 C) (1)	P168-SB-02	11/19/2024 13:00	
P143-SB-04-Z00-02-FD	MBHJT2	Soil/		ICP-AES(35)	5479 (Wet ice < 6 C) (1)	P143-SB-04	11/18/2024 10:30	
P168-SB-01-Z00-02-FD	MBHJT3	Soil/		ICP-AES(35)	5480 (Wet ice < 6 C) (1)	P168-SB-01	11/19/2024 14:05	

N/A 11/25/24

Special Instructions: Sample MBHJL6 is an MS/MSD. Samples MBHJ4, MBHJ5, MBHJ6, MBHJ8, MBHJ9, MBHJK5, MBHJK6, MBHJK9, MBHJL0, MBHJL1, MBHJL3, MBHJL5, MBHJL7 and MBHJL8 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	WSP	11/25/2024 16:55		1021 11-26-24	IR-Cont 2.1° Custody Seal Intact Temp Blank present
		N/A	11/25/24		

68HERH20D0011

SDG # MBHJF5

USEPA CLP COC (LAB COPY)

DateShipped: 11/25/2024

CarrierName: FedEx

AirbillNo: 7702 2470 9760

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 2

No: 2-112524-115109-0021

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
P168-SB-11-Z30-36	MBHJT1	Soil/		ICP-AES(35)	3999 (Wet ice < 6 C) (1)	P168-SB-11	11/19/2024 14:00	✓6
P168-SB-03-Z30-36-FD	MBHJT4	Soil/		ICP-AES(35)	5481 (Wet ice < 6 C) (1)	P168-SB-03	11/19/2024 13:05	✓
P143-SB-13-Z00-02-FD	MBHJT5	Soil/		ICP-AES(35)	5482 (Wet ice < 6 C) (1)	P143-SB-13	11/18/2024 14:05	✓

N/A 11/25/24

Special Instructions: Sample MBHJT0 is an MS/MSD. Samples MBHJJ1, MBHJJ3, MBHJJ4, MBHJJ5, MBHJJ7, MBHJJ6, MBHJM4, MBHJM5, MBHJT4, and MBHJS6 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	WSP	11/25/24 1530	N/A	11/25/24	IR gun # 1 2.3°
					Temp BLANK present
	R Melendez	10:21 11/26/24			Custody Seal intact

68HERH20D0011

SDG # MBHJF5

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-112524-120846-0022

DateShipped: 11/25/2024
CarrierName: FedEx
AirbillNo: 7702 2471 2376

Case #: 51879
Cooler #: 3

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
P168-SB-06-Z30-36	MBHJP6	Soil/		ICP-AES(35)	3954 (Wet ice < 6 C) (1)	P168-SB-06	11/19/2024 13:25	9
P168-SB-08-Z00-02	MBHJQ4	Soil/		ICP-AES(35)	3982 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	LY 10
P168-SB-08-Z02-06	MBHJQ5	Soil/		ICP-AES(35)	3983 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	LY 11
P168-SB-08-Z06-12	MBHJQ6	Soil/		ICP-AES(35)	3984 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	12
P168-SB-08-Z12-18	MBHJQ7	Soil/		ICP-AES(35)	3985 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	13
P168-SB-08-Z18-24	MBHJQ8	Soil/		ICP-AES(35)	3986 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	14
P168-SB-08-Z24-30	MBHJQ9	Soil/		ICP-AES(35)	3987 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	15
P168-SB-08-Z30-36	MBHJR0	Soil/		ICP-AES(35)	3988 (Wet ice < 6 C) (1)	P168-SB-08	11/19/2024 13:45	16
P168-SB-09-Z00-02	MBHJR1	Soil/		ICP-AES(35)	3989 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	17
P168-SB-09-Z02-06	MBHJR2	Soil/		ICP-AES(35)	3960 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	LY 18

Sample(s) to be used for Lab QC: P168-SB-09-Z06-12 Tag 3961 - Special Instructions: Samples MBHJP5 and MBHJR3 are MS/MSDs. Samples MBHJN4, MBHJN5, MBHJN9, MBHJQ5, MBHJQ4, MBHJR4 and MBHJR2 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	WSP	11/25/2024 17:20		1021 11-26-24	IR Gun # 1 2-3-5
		N/A	11/25/24		Custody Seal Intact
					Temp Blnk present

68HERH20D0011

SDG # MBHJF5

USEPA CLP COC (LAB COPY)

DateShipped: 11/25/2024

CarrierName: FedEx

AirbillNo: 7702 2471 2376

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 3

No: 2-112524-120846-0022

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
P168-SB-09-Z06-12	MBHJR3	Soil/		ICP-AES(35)	3961 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	19
P168-SB-09-Z12-18	MBHJR4	Soil/		ICP-AES(35)	3962 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	20
P168-SB-09-Z18-24	MBHJR5	Soil/		ICP-AES(35)	3963 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	
P168-SB-09-Z24-30	MBHJR6	Soil/		ICP-AES(35)	3964 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	
P168-SB-09-Z30-36	MBHJR7	Soil/		ICP-AES(35)	3965 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	
P168-SB-04-Z00-02-FD	MBHJT6	Soil/		ICP-AES(35)	5483 (Wet ice < 6 C) (1)	P168-SB-04	11/19/2024 13:15	
P168-SB-05-Z00-02-FD	MBHJT7	Soil/		ICP-AES(35)	5484 (Wet ice < 6 C) (1)	P168-SB-05	11/19/2024 13:20	

N/A 11/25/24

Sample(s) to be used for Lab QC: P168-SB-09-Z06-12 Tag 3961 - Special Instructions: Samples MBHJP5 and MBHJR3 are MS/MSDs. Samples MBHJN4, MBHJN5, MBHJN9, MBHJQ5, MBHJQ4, MBHJR4 and MBHJR2 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	WSP	11/25/2024 17:20		1021 11-26-24	IR-Gun #1 2.3°
		N/A	11/25/24		Custody Seal Intact
					Trip Blk present

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 4
Received By (Print Name) Cassandra Reina		Log-in Date 11/23/2024
Received By (Signature)		
Case Number 51879	SDG No. MBHJF5	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.	770159249441 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	1.3 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	11/23/2024
12.Time Received	10:00

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHJF5	N/A	2115	P4984-01	Intact
2	MBHJF6	N/A	5476	P4984-02	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	Logbook No. N/A
Date 11/25/24	Logbook Page No. N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 4
Received By (Print Name) Essanora Eric		Log-in Date **11/26/2024**
Received By (Signature)		
Case Number 51879	SDG No. MBHJF5	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.	770224710660 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.1 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	11/26/2024
12.Time Received	10:21

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHJL8	N/A	3736	P4984-03	Intact
2	MBHJT2	N/A	5479	P4984-04	Intact
3	MBHJT3	N/A	5480	P4984-05	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 11/26/24	Logbook Page No. N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 3 of 4
Received By (Print Name) Cassandra Reis		Log-in Date 11/26/2024
Received By (Signature)		
Case Number 51879	SDG No. MBHJF5	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.	770224709760 3
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.3 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	11/26/2024
12.Time Received	10:21

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHJT1	N/A	3999	P4984-06	Intact
2	MBHJT4	N/A	5481	P4984-07	Intact
3	MBHJT5	N/A	5482	P4984-08	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 11/26/24	Logbook Page No. N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 4 of 4
Received By (Print Name) Cassandra Rios		Log-in Date 11/26/2024
Received By (Signature)		
Case Number 51879	SDG No. MBHJF5	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.	770224712376 4
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.3 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	11/26/2024
12.Time Received	10:21

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHJP6	N/A	3954	P4984-09	Intact
2	MBHJQ4	N/A	3982	P4984-10	Intact
3	MBHJQ5	N/A	3983	P4984-11	Intact
4	MBHJQ6	N/A	3984	P4984-12	Intact
5	MBHJQ7	N/A	3985	P4984-13	Intact
6	MBHJQ8	N/A	3986	P4984-14	Intact
7	MBHJQ9	N/A	3987	P4984-15	Intact
8	MBHJR0	N/A	3988	P4984-16	Intact
9	MBHJR1	N/A	3989	P4984-17	Intact
10	MBHJR2	N/A	3960	P4984-18	Intact
11	MBHJR3	N/A	3961	P4984-19	Intact
12	MBHJR3D	N/A	3961	P4984-20	Intact
13	MBHJR3S	N/A	3961	P4984-21	Intact
14	MBHJR4	N/A	3962	P4984-22	Intact
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 11/26/24	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.	**MBHJF5**
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: FROM	PAGE NOs: TO	CHECK LAB	CHECK 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	10	✓	
4 . CSF Inventory Sheet (DC-2)	11	13	✓	
5 . SDG Narrative	14	16	✓	
6 . Communication Logs	NA	NA	✓	
7 . Percent Solids Log	17	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	1421	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	1422	1578	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1579	1580	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1581	1641	✓	
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: FROM	TO	CHECK 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	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments 4)	1642	1645	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1646	1647	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1648	1649	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

Completed by:
(CLP Lab) _____ Nimisha Pandya, Document Control Officer _____
(Signature) (Print Name & Title) (Date)

Audited by:
(EPA) _____ _____ _____
(Signature) (Print Name & Title) (Date)

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MBHJF5
CASE # 51879
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4984

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 11/23/2024, 11/26/2024.

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: 1.3^{o}C, 2.1^{o}C, 2.3^{o}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.

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

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G. Calculation:

Calculation for ICP-AES Soil Sample:

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

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = 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 MBHJF5 For Antimony:

If C = 0.0156492 ppm
Vf = 100 ml
W = 1.36 g
S = 0.903 (90.3/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.0156492 \times \frac{100}{1.36 \times 0.903} \times 1$$

$$= 1.274281 \text{ mg/kg}$$

= 1.3 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 Antimony, Copper, Selenium, Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Aluminum, Barium, Calcium, Chromium, Iron, Magnesium, Manganese, Vanadium.

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: 11/27/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:50
In Date: 11/26/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/27/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133637

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
P4984-01	MBHJF5	1	1.18	8.44	9.62	8.8	90.3	
P4984-02	MBHJF6	2	1.12	8.75	9.87	8.99	89.9	
P4984-03	MBHJL8	3	1.15	8.59	9.74	7.94	79.0	
P4984-04	MBHJT2	4	1.15	8.40	9.55	8.38	86.1	
P4984-05	MBHJT3	5	1.16	8.40	9.56	7.00	69.5	
P4984-06	MBHJT1	6	1.15	8.81	9.96	8.85	87.4	
P4984-07	MBHJT4	7	1.16	8.76	9.92	8.85	87.8	
P4984-08	MBHJT5	8	1.14	8.81	9.95	8.93	88.4	
P4984-09	MBHJP6	9	1.12	8.69	9.81	8.86	89.1	
P4984-10	MBHJQ4	10	1.16	8.50	9.66	7.63	76.1	
P4984-11	MBHJQ5	11	1.19	8.71	9.9	8.32	81.9	
P4984-12	MBHJQ6	12	1.18	8.47	9.65	8.34	84.5	
P4984-13	MBHJQ7	13	1.18	8.42	9.6	7.98	80.8	
P4984-14	MBHJQ8	14	1.14	8.66	9.8	8.46	84.5	
P4984-15	MBHJQ9	15	1.19	8.57	9.76	8.43	84.5	
P4984-16	MBHJR0	16	1.18	8.49	9.67	8.32	84.1	
P4984-17	MBHJR1	17	1.19	8.66	9.85	7.12	68.5	
P4984-18	MBHJR2	18	1.15	8.77	9.92	7.57	73.2	
P4984-19	MBHJR3	19	1.15	8.82	9.97	8.22	80.2	
P4984-20	MBHJR3D	20	1.15	8.82	9.97	8.22	80.2	
P4984-21	MBHJR3S	21	1.15	8.82	9.97	8.22	80.2	
P4984-22	MBHJR4	22	1.17	8.60	9.77	8.49	85.1	

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

WORKLIST(Hardcopy Internal Chain)

VB 133637

WorkList Name : %1-p4984 **WorkList ID :** 185804 **Department :** Wet-Chemistry **Date :** 11-26-2024 15:18:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4984-01	MBHJF5	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/18/2024	Chemtech -SO
P4984-02	MBHJF6	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/18/2024	Chemtech -SO
P4984-03	MBHJL8	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/18/2024	Chemtech -SO
P4984-04	MBHJT2	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-05	MBHJT3	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/18/2024	Chemtech -SO
P4984-06	MBHJT1	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-07	MBHJT4	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-08	MBHJT5	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-09	MBHJP6	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/18/2024	Chemtech -SO
P4984-10	MBHJQ4	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-11	MBHJQ5	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-12	MBHJQ6	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-13	MBHJQ7	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-14	MBHJQ8	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-15	MBHJQ9	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-16	MBHJR0	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-17	MBHJR1	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-18	MBHJR2	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-19	MBHJR3	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-20	MBHJR3D	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO
P4984-21	MBHJR3S	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO

Date/Time 11-26-24 15:20

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: JD (SM)

Date/Time 11-26-24 16:00

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

133637

WorkList Name : %1-p4984 **WorkList ID :** 185804 **Department :** Wet-Chemistry **Date :** 11-26-2024 15:18:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4984-22	MBHJR4	Solid	Percent Solids	Cool 4 deg C	USEP01	C13	11/19/2024	Chemtech -SO

Date/Time 11.26.24 1520

Raw Sample Received by: JD CW

Raw Sample Relinquished by: JD CSM

Date/Time 11/26/24 1600

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD CW