SDG COVER PAGE

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

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJ97

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MBHJ97	P4983-01	X			
MBHJC3	P4983-02	X			
MBHJE5	P4983-03	X			
MBHJE6	P4983-04	X			
MBHJB6	P4983-05	X			
MBHJE7	P4983-06	X			
MBHJF9	P4983-07	X			
MBHJG0	P4983-08	X			
MBHJG1	P4983-09	X			
MBHJG2	P4983-10	X			
MBHJG2D	P4983-11	X			
MBHJG2S	P4983-12	X			
MBHJG3	P4983-13	X			
MBHJG4	P4983-14	X			
MBHJG5	P4983-15	X			
MBHJG6	P4983-16	X			
MBHJG7	P4983-17	X			
MBHJG8	P4983-18	X			
MBHJG9	P4983-19	X			
MBHJH0	P4983-20	X			
MBHJH1	P4983-21	X			
MBHJH2	P4983-22	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 # MBHJ97

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5925 1073

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 1

No: 2-112224-093544-0014

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-05-Z30-36	MBHJ97	Soil/		ICP-AES(35)	2041 (Wet ice < 6 C) (1)	P143-SB-05	11/18/2024 10:50	1

N/A 11/22/24

Special Instructions: Samples MBHJ49 and MBHJ68 are MS/MSDs. Samples MBHJ50, MBHJ91, MBHJ93, MBHJ92, MBHJ97, MBHJ96, MBHJ94, MBHJ95, MBHJ54, MBHJ50, MBHJ51, MBHJ52, MBHJ53, MBHJ55, MBHJ63, MBHJ64, MBHJ65, MBHJ66, MBHJ67, MBHJ68 and MBHJ69 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
2 Cooler	WSP	11/22/24 1420		11/23/24 10:00	2-8° IR Gun #1 Temp Blank Present
		N/A			Custody Seal Intact
			11/22/24		

68HERH20D0011

SDG # MBHJ97

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-112224-102051-0015

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5925 0684

Case #: 51879

Cooler #: 2

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-09-Z30-36	MBHJC3	Soil/		ICP-AES(35)	2059 (Wet ice < 6 C) (1)	P143-SB-09	11/18/2024 11:30	2
P143-SB-01-Z24-30-FD	MBHJE5	Soil/		ICP-AES(35)	5472 (Wet ice < 6 C) (1)	P143-SB-01	11/18/2024 10:50	3
P143-SB-11-Z24-30-FD	MBHJE6	Soil/		ICP-AES(35)	5473 (Wet ice < 6 C) (1)	P143-SB-11	11/18/2024 11:20	4

N/A

11/22/24

Special Instructions: Samples MBHJB7, MBHJB8, MBHJB9, MBHJC0, MBHJC1, MBHJC2, MBHJC3, MBHJ98, MBHJ99, MBHJA0, MBHJA1, MBHJA3, MBHJA4, MBHJ77, MBHJ78, MBHJ79, MBHJ80, MBHJ81, MBHJ82 and MBHJ83 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 1440		11/23/24	IR Gun #1
			N/A	10-00 2.4°C	Temp Blank Present
			11/22/24		Custody Seal Intact

68HERH20D0011

SDG # MBHJ97

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5925 2172

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 3

No: 2-112224-110104-0016

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-12-Z30-36	MBHJB6	Soil/		ICP-AES(35)	2130 (Wet ice < 6 C) (1)	P143-SB-12	11/18/2024 11:40	
P143-SB-15-Z30-36-FD	MBHJE7	Soil/		ICP-AES(35)	5474 (Wet ice < 6 C) (1)	P143-SB-15	11/18/2024 13:50	

N/A

11/22/24

Special Instructions: Sample MBHJ88 is a MS/MSD. Samples MBHJB0, MBHJB1, MBHJB2, MBHJB3, MBHJB4, MBHJB5, MBHJB6, MBHJ84, MBHJ85, MBHJ86, MBHJ87, MBHJ90, MBHJ70, MBHJ71, MBHJ72, MBHJ73, MBHJ74, MBHJ76 and MBHJE7 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 15:05		11/23/24	1.5° IR Gun #1
				10:00	Temp blank Present
			11/22/24		Custody Seal
			N/A		

68HERH20D0011

SDG # MBHJ97

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5925 3250

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 6

No: 2-112224-143209-0019

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-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	DL
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	FV

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 MBHF9 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	[signature] CLP	11/22/24 1535	[signature]	11/23/24 10:00	2-3°C IR Gun #1
		N/A			Temp blank Present
			11/22/24		Custody Seal Intact

68HERH20D0011

SDG # MBHJ97

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024

CarrierName: FedEx

AirbillNo: 7701 5925 3250

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 6

No: 2-112224-143209-0019

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-18-Z12-18	MBHJG0	Soil/		ICP-AES(35)	2169 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	8
P143-SB-18-Z18-24	MBHJG1	Soil/		ICP-AES(35)	2150 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	9
P143-SB-18-Z24-30	MBHJG2	Soil/		ICP-AES(35)	2151 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	10
P143-SB-18-Z30-36	MBHJG3	Soil/		ICP-AES(35)	2152 (Wet ice < 6 C) (1)	P143-SB-18	11/18/2024 14:55	11
P143-SB-06-Z00-02	MBHJG4	Soil/		ICP-AES(35)	2042 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	12
P143-SB-06-Z02-06	MBHJG5	Soil/		ICP-AES(35)	2043 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	13
P143-SB-06-Z06-12	MBHJG6	Soil/		ICP-AES(35)	2044 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	14
P143-SB-06-Z12-18	MBHJG7	Soil/		ICP-AES(35)	2045 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	15
P143-SB-06-Z18-24	MBHJG8	Soil/		ICP-AES(35)	2046 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	16
P143-SB-06-Z24-30	MBHJG9	Soil/		ICP-AES(35)	2047 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	17

Sample(s) to be used for Lab QC: P143-SB-18-Z24-30 Tag 2151 - Special Instructions: Samples MBHJF7 and MBHJG2 are MS/MSDs. Samples MBHJD8, MBHJE0, MBHJH1, MBHJE2, MBHJE3, MBHJG4, MBHJG5, MBHJG6, MBHJG7, MBHJG8, MBHJG9, MBHJH0, MBHJF8 and MBHF9 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 1535		11/23/24	2.3° IR on #1
		N/A		10:00	Temp blank Present
			11/22/24		Custody Seal Present

68HERH20D0011

SDG # MBHJ97

USEPA CLP COC (LAB COPY)

DateShipped: 11/22/2024
CarrierName: FedEx
AirbillNo: 7701 5925 3250

CHAIN OF CUSTODY RECORD

Case #: 51879
Cooler #: 6

No: 2-112224-143209-0019

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-06-Z30-36	MBHJH0	Soil/		ICP-AES(35)	2048 (Wet ice < 6 C) (1)	P143-SB-06	11/18/2024 11:05	– 18
P143-SB-31-Z06-12-FD	MBHJH1	Soil/		ICP-AES(35)	5477 (Wet ice < 6 C) (1)	P143-SB-31	11/18/2024 13:40	– 19
RB08-11222024	MBHJH2	Water/		ICP-AES(35)	5478 (HNO3 pH < 2) (1)	RB08-11222024	11/22/2024 15:15	– 20

N/A [signature] 11/22/24

Special Instructions: Samples MBHJF7 and MBHJG2 are MS/MSDs. Samples MBHJD8, MBHJE0, MBHJH1, MBHJE2, MBHJE3, MBHJG4, MBHJG5, MBHJG6, MBHJG7, MBHJG8, MBHJG9, MBHJH0, MBHJF8 and MBHF9 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	[signature] WSP	11/22/24 15:35	[signature]	11/23/24 10:00	2.3°C IR Gun #1
			N/A [signature] WSP 11/22/24		[signature]
					Custody Seal Intact

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 4
Received By (Print Name) Essence Pena		Log-in Date 11/23/2024
Received By (Signature)		
Case Number 51879	SDG No. MBHJ97	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.	770159251073 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.8 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		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHJ97	N/A	2041	P4983-01	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	AK	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) Casanova Rona		Log-in Date 11/23/2024
Received By (Signature)		
Case Number 51879	SDG No. MBHJ97	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.	770159250684 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.4 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	MBHJC3	N/A	~~259~~ 2059	P4983-02	Intact
2	MBHJE5	N/A	5472	P4983-03	Intact
3	MBHJE6	N/A	5473	P4983-04	Intact
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	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 3 of 4
Received By (Print Name) Esperanza Peña		Log-in Date **11/23/2024**
Received By (Signature)		
Case Number 51879	SDG No. MBHJ97	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.	770159252172 3
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	1.5 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	MBHJB6	N/A	2130	P4983-05	Intact
2	MBHJE7	N/A	5474	P4983-06	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 4 of 4
Received By (Print Name) Esperanza Perez		Log-in Date 11/23/2024
Received By (Signature)		
Case Number 51879	SDG No. MBHJ97	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.	770159253250 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	11/23/2024
12.Time Received	10:00

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHJF9	N/A	2168	P4983-07	Intact
2	MBHJG0	N/A	2169	P4983-08	Intact
3	MBHJG1	N/A	2150	P4983-09	Intact
4	MBHJG2	N/A	2151	P4983-10	Intact
5	MBHJG2D	N/A	2151	P4983-11	Intact
6	MBHJG2S	N/A	2151	P4983-12	Intact
7	MBHJG3	N/A	2152	P4983-13	Intact
8	MBHJG4	N/A	2042	P4983-14	Intact
9	MBHJG5	N/A	2043	P4983-15	Intact
10	MBHJG6	N/A	2044	P4983-16	Intact
11	MBHJG7	N/A	2045	P4983-17	Intact
12	MBHJG8	N/A	2046	P4983-18	Intact
13	MBHJG9	N/A	2047	P4983-19	Intact
14	MBHJH0	N/A	2048	P4983-20	Intact
15	MBHJH1	N/A	5477	P4983-21	Intact
16	MBHJH2	1.0	5478	P4983-22	Intact
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-2
COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	**Alliance Technical Group, LLC**		
LAB CODE	**ACE**		
CONTRACT NO.	**68HERH20D0011**		
CASE NO.	**51879**	SDG NO.	**MBHJ97**
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	7	✓	
3 . Sample Log-In Sheet (DC-1)	8	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	1122	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	1123	1294	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1295	1298	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1299	1346	✓	
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)	1347	1350	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1351	1352	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1353	1354	✓	
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 # MBHJ97
CASE # 51879
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4983

A. Number of Samples and Date of Receipt

19 Soil & 01 Water samples were delivered to the laboratory intact on 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: 2.8^{o}C, 2.4^{o}C, 2.3^{o}C, 1.5^{o}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):

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

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 MBHJG2 For Arsenic:

If C = 0.0372242 ppm
Vf = 100 ml
W = 1.38 g
S = 0.802(80.2/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.0372242 \times \frac{100}{1.38 \times 0.802} \times 1$$

$$= 3.3633 \text{ mg/kg}$$

= 3.4 mg/kg (Reported Result with Signification

Calculation for ICP-AES Water Sample:

$$\text{Concentration or Result (µg/L)} = C \times \frac{Vf}{Vi} \times DF \times 1000$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

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Example Calculation For Sample MBHJH2 For Manganese:

If C = 0.0019386 ppm
Vf = 50 ml
Vi = 50 ml
DF = 1

$$\text{Concentration or Result } (\mu g/L) = 0.0019386 \times \frac{50}{50} \times 1 \times 1000$$

$$= 1.9386\ \mu g/L$$

$$= 1.9\ \mu g/L \text{ (Reported Result with Signification)}$$

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, Selenium, Silver. 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: 16:15
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: 08:22
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: LB133613

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
P4983-01	MBHJ97	1	1.14	8.48	9.62	8.82	90.6	
P4983-02	MBHJC3	2	1.15	8.43	9.58	8.37	85.6	
P4983-03	MBHJE5	3	1.17	8.60	9.77	9.05	91.6	
P4983-04	MBHJE6	4	1.13	8.67	9.8	8.3	82.7	
P4983-05	MBHJB6	5	1.15	8.73	9.88	8.2	80.8	
P4983-06	MBHJE7	6	1.18	8.76	9.94	8.34	81.7	
P4983-07	MBHJF9	7	1.18	8.51	9.69	8.64	87.7	
P4983-08	MBHJG0	8	1.11	8.72	9.83	8.2	81.3	
P4983-09	MBHJG1	9	1.18	8.53	9.71	8.07	80.8	
P4983-10	MBHJG2	10	1.16	8.53	9.69	8.00	80.2	
P4983-11	MBHJG2D	11	1.16	8.53	9.69	8.00	80.2	
P4983-12	MBHJG2S	12	1.16	8.53	9.69	8.00	80.2	
P4983-13	MBHJG3	13	1.18	8.72	9.9	8.55	84.5	
P4983-14	MBHJG4	14	1.18	8.24	9.42	9.00	94.9	
P4983-15	MBHJG5	15	1.18	8.37	9.55	8.87	91.9	
P4983-16	MBHJG6	16	1.18	8.58	9.76	9.11	92.4	
P4983-17	MBHJG7	17	1.18	8.50	9.68	8.88	90.6	
P4983-18	MBHJG8	18	1.13	8.38	9.51	8.98	93.7	
P4983-19	MBHJG9	19	1.15	8.80	9.95	9.47	94.5	
P4983-20	MBHJH0	20	1.19	8.50	9.69	9.32	95.6	
P4983-21	MBHJH1	21	1.16	8.83	9.99	8.31	81.0	

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

WORKLIST(Hardcopy Internal Chain)

VB 133613

WorkList Name : %1-P4983 **WorkList ID :** 185770 **Department :** Wet-Chemistry **Date :** 11-25-2024 15:18:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4983-01	MBHJ97	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-02	MBHJC3	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-03	MBHJE5	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-04	MBHJE6	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-05	MBHJB6	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-06	MBHJE7	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-07	MBHJF9	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-08	MBHJG0	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-09	MBHJG1	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-10	MBHJG2	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-11	MBHJG2D	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-12	MBHJG2S	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-13	MBHJG3	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-14	MBHJG4	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-15	MBHJG5	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-16	MBHJG6	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-17	MBHJG7	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-18	MBHJG8	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-19	MBHJG9	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-20	MBHJH0	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4983-21	MBHJH1	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO

Date/Time 11.25.24 15:25

Raw Sample Received by: JB WC

Raw Sample Relinquished by:

Date/Time 11.25.24 16:25

Raw Sample Received by:

Raw Sample Relinquished by: JB WC