SDG COVER PAGE

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

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJJ8

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MBHJR5	P5012-01	X			
MBHJR6	P5012-02	X			
MBHJR7	P5012-03	X			
MBHJT6	P5012-04	X			
MBHJT7	P5012-05	X			
MBHJJ8	P5012-06	X			
MBHJJ9	P5012-07	X			
MBHJK0	P5012-08	X			
MBHJK1	P5012-09	X			
MBHJK2	P5012-10	X			
MBHJK3	P5012-11	X			
MBHJK3D	P5012-12	X			
MBHJK3S	P5012-13	X			
MBHJK4	P5012-14	X			
MBHJP7	P5012-15	X			
MBHJP8	P5012-16	X			
MBHJP9	P5012-17	X			
MBHJT9	P5012-18	X			
MBHJW0	P5012-19	X			
MBHJW1	P5012-20	X			
MBHJW2	P5012-21	X			
MBHJW3	P5012-22	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 # MBHJJ8

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	2e
P168-SB-09-Z12-18	MBHJR4	Soil/		ICP-AES(35)	3962 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	LV
P168-SB-09-Z18-24	MBHJR5	Soil/		ICP-AES(35)	3963 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	1
P168-SB-09-Z24-30	MBHJR6	Soil/		ICP-AES(35)	3964 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	2
P168-SB-09-Z30-36	MBHJR7	Soil/		ICP-AES(35)	3965 (Wet ice < 6 C) (1)	P168-SB-09	11/19/2024 13:55	3
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	4
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	5
				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

68HERH20D0011

SDG # MBHJJ8

USEPA CLP COC (LAB COPY)

DateShipped: 11/25/2024

CarrierName: FedEx

AirbillNo: 7702 2471 2413

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 4

No: 2-112524-142627-0023

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-23-Z00-02	MBHJJ8	Soil/		ICP-AES(35)	2181 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	LV 6
P143-SB-23-Z02-06	MBHJJ9	Soil/		ICP-AES(35)	2182 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	LV 7
P143-SB-23-Z06-12	MBHJK0	Soil/		ICP-AES(35)	2183 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	LV 8
P143-SB-23-Z12-18	MBHJK1	Soil/		ICP-AES(35)	2184 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	LV 9
P143-SB-23-Z18-24	MBHJK2	Soil/		ICP-AES(35)	2185 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	10
P143-SB-23-Z24-30	MBHJK3	Soil/		ICP-AES(35)	2186 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	Qe 11
P143-SB-23-Z30-36	MBHJK4	Soil/		ICP-AES(35)	2187 (Wet ice < 6 C) (1)	P143-SB-23	11/18/2024 15:00	LV 12
P168-SB-07-Z00-02	MBHJP7	Soil/		ICP-AES(35)	3955 (Wet ice < 6 C) (1)	P168-SB-07	11/19/2024 13:35	LV 13
P168-SB-07-Z02-06	MBHJP8	Soil/		ICP-AES(35)	3956 (Wet ice < 6 C) (1)	P168-SB-07	11/19/2024 13:35	LV 14
P168-SB-07-Z06-12	MBHJP9	Soil/		ICP-AES(35)	3957 (Wet ice < 6 C) (1)	P168-SB-07	11/19/2024 13:35	15

Sample(s) to be used for Lab QC: P143-SB-23-Z24-30 Tag 2186 - Special Instructions: Samples MBHJQ3 and MBHJK3 are MS/MSDs. Samples MBHJP8, MBHJP7, MBHJJ8, MBHJJ9, MBHJK0, MBHJK1 and MBHJK4 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	[signature] WSP	11/25/24 17:40	[signature]	1021 11-26-24	IR Gun #1 2.3°C
			N/A [signature] 11/25/24		Custody Seal Intact
					Temp Blank present

68HERH20D0011

SDG # MBHJJ8

USEPA CLP COC (LAB COPY)

DateShipped: 11/25/2024

CarrierName: FedEx

AirbillNo: 7702 2471 2424

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 5

No: 2-112524-160541-0024

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-12-Z00-02	MBHJT9	Soil/		ICP-AES(35)	3970 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	16
P168-SB-12-Z02-06	MBHJW0	Soil/		ICP-AES(35)	3971 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	17
P168-SB-12-Z06-12	MBHJW1	Soil/		ICP-AES(35)	3972 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	18
P168-SB-12-Z12-18	MBHJW2	Soil/		ICP-AES(35)	3973 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	19
P168-SB-12-Z18-24	MBHJW3	Soil/		ICP-AES(35)	3974 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	20
P168-SB-12-Z24-30	MBHJW4	Soil/		ICP-AES(35)	3975 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	0
P168-SB-12-Z30-36	MBHJW5	Soil/		ICP-AES(35)	3976 (Wet ice < 6 C) (1)	P168-SB-12	11/19/2024 14:10	
P174-SB-13-Z00-02	MBHJW6	Soil/		ICP-AES(35)	4615 (Wet ice < 6 C) (1)	P174-SB-13	11/20/2024 10:05	
P174-SB-13-Z02-06	MBHJW7	Soil/		ICP-AES(35)	4616 (Wet ice < 6 C) (1)	P174-SB-13	11/20/2024 10:05	
P174-SB-13-Z06-12	MBHJW8	Soil/		ICP-AES(35)	4617 (Wet ice < 6 C) (1)	P174-SB-13	11/20/2024 10:05	

Sample(s) to be used for Lab QC: P168-SB-12-Z24-30 Tag 3975 - Special Instructions: Samples MBHJZ7 and MBHJW4 are MS/MSDs. Sample MBHJX0 has 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 17:40			
		N/A	R. McClendon	10:21 11.26.24	I.R. Gun #1 2.5°
			11/25/24		Temp BLANK present
					Custody seal intact

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 3
Received By (Print Name) Cassandra Rine		Log-in Date **11/26/2024**
Received By (Signature)		
Case Number 51879	SDG No. ~~MBHJR5~~ MBHJJ8	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 1
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	MBHJR5	N/A	3963	P5012-01	Intact
2	MBHJR6	N/A	3964	P5012-02	Intact
3	MBHJR7	N/A	3965	P5012-03	Intact
4	MBHJT6	N/A	5483	P5012-04	Intact
5	MBHJT7	N/A	5484	P5012-05	Intact
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/26/24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 3
Received By (Print Name) Cassandra Reid		Log-in Date 11/26/2024
Received By (Signature)		
Case Number 51879	SDG No. ~~MBHJR5~~ MBHJJ8	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.	770224712413 2
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	MBHJJ8	N/A	2181	P5012-06	Intact
2	MBHJJ9	N/A	2182	P5012-07	Intact
3	MBHJK0	N/A	2183	P5012-08	Intact
4	MBHJK1	N/A	2184	P5012-09	Intact
5	MBHJK2	N/A	2185	P5012-10	Intact
6	MBHJK3	N/A	2186	P5012-11	Intact
7	MBHJK3D	N/A	2186	P5012-12	Intact
8	MBHJK3S	N/A	2186	P5012-13	Intact
9	MBHJK4	N/A	2187	P5012-14	Intact
10	MBHJP7	N/A	3955	P5012-15	Intact
11	MBHJP8	N/A	3956	P5012-16	Intact
12	MBHJP9	N/A	3957	P5012-17	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		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 3
Received By (Print Name) Cassandra Rivera		Log-in Date 11/26/2024
Received By (Signature)		
Case Number 51879	SDG No. ~~MBHJR5~~ MBHJJ8	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.	770224712424 3
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.5 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	11/26/2024
12.Time Received	10:21

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHJT9	N/A	3970	P5012-18	Intact
2	MBHJW0	N/A	3971	P5012-19	Intact
3	MBHJW1	N/A	3972	P5012-20	Intact
4	MBHJW2	N/A	3973	P5012-21	Intact
5	MBHJW3	N/A	3974	P5012-22	Intact
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	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.	**MBHJJ8**
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	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	1638	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	1639	1795	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1796	1797	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1798	1852	✓	
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 3)	1853	1855	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	1856	1857	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	1858	1859	✓	
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 # MBHJJ8
CASE # 51879
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P5012

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 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: 2.3^{o}C, 2.5^{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.

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):

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

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 MBHJR5 For Arsenic:

If C = 0.0684511 ppm
Vf = 100 ml
W = 1.17 g
S = 0.798(79.8/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.0684511 \times \frac{100}{1.17 \times 0.798} \times 1$$

$$= 7.331480 \text{ mg/kg}$$

$$= 7.3 \text{ mg/kg (Reported Result with Signification}$$

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 Antimony, Arsenic, Manganese, 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.

284 Sheffield Street
Mountainside, NJ 07092

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/2/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 13:35
In Date: 11/27/2024
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: 11/28/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133660

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
P5012-01	MBHJR5	1	1.17	8.60	9.77	8.03	79.8	
P5012-02	MBHJR6	2	1.19	8.42	9.61	8.02	81.1	
P5012-03	MBHJR7	3	1.12	8.75	9.87	8.18	80.7	
P5012-04	MBHJT6	4	1.13	8.70	9.83	7.82	76.9	
P5012-05	MBHJT7	5	1.16	8.81	9.97	7.78	75.1	
P5012-06	MBHJJ8	6	1.18	8.43	9.61	8.29	84.3	
P5012-07	MBHJJ9	7	1.16	8.48	9.64	8.61	87.9	
P5012-08	MBHJK0	8	1.14	8.71	9.85	9.29	93.6	
P5012-09	MBHJK1	9	1.16	8.67	9.83	9.41	95.2	
P5012-10	MBHJK2	10	1.15	8.50	9.65	8.53	86.8	
P5012-11	MBHJK3	11	1.18	8.73	9.91	8.82	87.5	
P5012-12	MBHJK3D	12	1.18	8.73	9.91	8.82	87.5	
P5012-13	MBHJK3S	13	1.18	8.73	9.91	8.82	87.5	
P5012-14	MBHJK4	14	1.19	8.43	9.62	9.05	93.2	
P5012-15	MBHJP7	15	1.19	8.60	9.79	8.13	80.7	
P5012-16	MBHJP8	16	1.18	8.50	9.68	8.6	87.3	
P5012-17	MBHJP9	17	1.14	8.51	9.65	8.58	87.4	
P5012-18	MBHJT9	18	1.18	8.48	9.66	7.23	71.3	
P5012-19	MBHJW0	19	1.13	8.82	9.95	7.81	75.7	
P5012-20	MBHJW1	20	1.12	8.80	9.92	8.24	80.9	
P5012-21	MBHJW2	21	1.1	8.72	9.82	8.2	81.4	
P5012-22	MBHJW3	22	1.17	8.57	9.74	8.14	81.3	

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

WORKLIST(Hardcopy Internal Chain)

WB133660

WorkList Name : %1-p5012 **WorkList ID :** 185853 **Department :** Wet-Chemistry **Date :** 11-27-2024 12:31:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5012-01	MBHJR5	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-02	MBHJR6	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-03	MBHJR7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-04	MBHJT6	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-05	MBHJT7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-06	MBHJJ8	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-07	MBHJJ9	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-08	MBHJK0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-09	MBHJK1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-10	MBHJK2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-11	MBHJK3	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-12	MBHJK3D	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-13	MBHJK3S	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-14	MBHJK4	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-15	MBHJP7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/18/2024	Chemtech -SO
P5012-16	MBHJP8	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-17	MBHJP9	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-18	MBHJT9	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-19	MBHJW0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-20	MBHJW1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO
P5012-21	MBHJW2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO

Date/Time 11-27-24 13:00

Raw Sample Received by: JB (WC)

Raw Sample Relinquished by: IT (SM)

Date/Time 11-27-24 13:40

Raw Sample Received by: IT (SM)

Raw Sample Relinquished by: JB (WC)

WORKLIST(Hardcopy Internal Chain)

VB 133660

WorkList Name : %1-p5012 **WorkList ID :** 185853 **Department :** Wet-Chemistry **Date :** 11-27-2024 12:31:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5012-22	MBHJW3	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	11/19/2024	Chemtech -SO

Date/Time 11-27-24 13:00
Raw Sample Received by: JB WDC
Raw Sample Relinquished by: ITCSM

Date/Time 11-27-24 13:40
Raw Sample Received by: ITCSM
Raw Sample Relinquished by: JB WDC