

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHKR8
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MBHKR8</u>	<u>P5060-01</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKR8D</u>	<u>P5060-02</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKR8S</u>	<u>P5060-03</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKW4</u>	<u>P5060-04</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKY6</u>	<u>P5060-05</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKY7</u>	<u>P5060-06</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKY8</u>	<u>P5060-07</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKY9</u>	<u>P5060-08</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKZ0</u>	<u>P5060-09</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKZ1</u>	<u>P5060-10</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKZ2</u>	<u>P5060-11</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL56</u>	<u>P5060-12</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL57</u>	<u>P5060-13</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX1</u>	<u>P5060-14</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX2</u>	<u>P5060-15</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX3</u>	<u>P5060-16</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX4</u>	<u>P5060-17</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX6</u>	<u>P5060-18</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX7</u>	<u>P5060-19</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKX8</u>	<u>P5060-20</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL58</u>	<u>P5060-21</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL59</u>	<u>P5060-22</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: 12/2/2024

Carrier Name: FedEx

Airbill No: 7704 1901 1892

CHAIN OF CUSTODY RECORD

68HERH20D0011

SDG # MBHCR8

Case #: 51879

Cooler #: 1

No: 2-120224-104551-0034

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-08-Z00-02	MBHCR0	Soil		ICP-AES(35)	4786 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P175-SB-08-Z02-06	MBHCR1	Soil		ICP-AES(35)	4787 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P175-SB-08-Z06-12	MBHCR2	Soil		ICP-AES(35)	4788 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P175-SB-08-Z12-18	MBHCR3	Soil		ICP-AES(35)	4789 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P175-SB-08-Z18-24	MBHCR4	Soil		ICP-AES(35)	4740 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P175-SB-08-Z24-30	MBHCR5	Soil		ICP-AES(35)	4741 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P175-SB-08-Z30-36	MBHCR6	Soil		ICP-AES(35)	4742 (Wet samples < 6 C) (1)	P175-SB-08	11/21/2024 09:05	
P176-SB-01-Z00-02	MBHCR7	Soil		ICP-AES(35)	4865 (Wet samples < 6 C) (1)	P176-SB-01	11/21/2024 09:45	
P176-SB-01-Z02-06	MBHCR8	Soil		ICP-AES(35)	4866 (Wet samples < 6 C) (1)	P176-SB-01	11/21/2024 09:45	
P176-SB-01-Z06-12	MBHCR9	Soil		ICP-AES(35)	4867 (Wet samples < 6 C) (1)	P176-SB-01	11/21/2024 09:45	

Sample(s) to be used for Lab QC: P175-SB-08-Z06-12 Tag 4788, P176-SB-01-Z02-06 Tag 4866 - Special Instructions: Samples MBHCR2 and MBHCR8 are MS/MSDs. Samples MBHCR1 and MBHCR6 have limited sample mass.

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LASASD 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
2 Cooler	 WSP	12/02/24 16:36	 WSP	12-3-24 9:50	2.1.1
	 WSP		 WSP		
		12/2/24			

Custody Seal Intact

Cooler pack present

USEPA CLP COC (LAB COPY)

DateShipped: 12/2/2024

CarrierName: FedEx

AirbillNo: 7704 1901 1892

CHAIN OF CUSTODY RECORD

68HERH20D0011

SDG # MBHKR8

No: 2-120224-104551-0034

Lab: Alliance Technical Group LLC

Lab Contact: Mohammed Ahmed

Lab Phone: 908-789-8900

Case #: 51879

Cooler #: 1

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P176-SB-11-Z30-36	MBHKW4	Soil/		ICP-AES(35)	4941 (Wet samples < 6 C) (1)	P176-SB-11	11/21/2024 10:25	2
P176-SB-02-Z00-02	MBHKY6	Soil/		ICP-AES(35)	4872 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	3
P176-SB-02-Z02-06	MBHKY7	Soil/		ICP-AES(35)	4873 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	4
P176-SB-02-Z06-12	MBHKY8	Soil/		ICP-AES(35)	4874 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	5
P176-SB-02-Z12-18	MBHKY9	Soil/		ICP-AES(35)	4875 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	6
P176-SB-02-Z18-24	MBHKZ0	Soil/		ICP-AES(35)	4876 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	7
P176-SB-02-Z24-30	MBHKZ1	Soil/		ICP-AES(35)	4877 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	8
P176-SB-02-Z30-36	MBHKZ2	Soil/		ICP-AES(35)	4878 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	9
P176-SB-11-Z00-02-FD	MBHL56	Soil/		ICP-AES(35)	5513 (Wet samples < 6 C) (1)	P176-SB-11	11/21/2024 10:25	10
P176-SB-02-Z30-36-FD	MBHL57	Soil/		ICP-AES(35)	5514 (Wet samples < 6 C) (1)	P176-SB-02	11/21/2024 09:50	11

Special Instructions: Samples MBHKR2 and MBHKR8 are MS/MSDs. Samples MBHKR1 and MBHKW2 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	<i>[Signature]</i> WSP	12/02/24 16:36	<i>[Signature]</i>	12-3-24 9:50	IR-Box # 1 2-1 Custody Seal Intact Temp Blank Pres-

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-120224-112207-0035

Date Shipped: 12/2/2024

Lab: Alliance Technical Group LLC

Carrier Name: FedEx

Case #: 51879

Lab Contact: Mohammad Ahmed

Airbill No: 7704 1901 2650

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
P176-SB-07-Z30-36	MBHKX1	Soil/		ICP-AES(35)	4913 (Wet Ice < 6 C) (1)	P176-SB-07	11/21/2024 10:20	12
P176-SB-05-Z00-02	MBHKX2	Soil/		ICP-AES(35)	4893 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	13
P176-SB-05-Z02-06	MBHKX3	Soil/		ICP-AES(35)	4894 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	14
P176-SB-05-Z06-12	MBHKX4	Soil/		ICP-AES(35)	4895 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	15
P176-SB-05-Z12-18	MBHKX5	Soil/		ICP-AES(35)	4896 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	16
P176-SB-05-Z18-24	MBHKX6	Soil/		ICP-AES(35)	4897 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	17
P176-SB-05-Z24-30	MBHKX7	Soil/		ICP-AES(35)	4898 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	18
P176-SB-05-Z30-36	MBHKX8	Soil/		ICP-AES(35)	4899 (Wet Ice < 6 C) (1)	P176-SB-05	11/21/2024 10:05	19
P176-SB-08-Z30-36-FD	MBHL58	Soil/		ICP-AES(35)	5515 (Wet Ice < 6 C) (1)	P176-SB-08	11/21/2024 10:18	19
P176-SB-07-Z06-12-FD	MBHL59	Soil/		ICP-AES(35)	5516 (Wet Ice < 6 C) (1)	P176-SB-07	11/21/2024 10:20	20

Sample(s) to be used for Lab QC: P176-SB-05-Z12-18 Tag 4896 - Special Instructions: Samples MBHKX3 and MBHKX5 are MS/MSDs. Samples MBHKV7 and MBHKX3 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		12/02/24 1700		12-3-24 0950	21°C IL600 #1 Custody seals intact Temp still present

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>GONGI NGUYEN</u>		Log-in Date 12/3/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHCR8	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>770419011892</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.1</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>12/03/2024</u>
12. Time Received	<u>09:50</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHCR8	N/A	4866	P5060-01	Intact
2	MBHCR8D	N/A	4866	P5060-02	Intact
3	MBHCR8S	N/A	4866	P5060-03	Intact
4	MBHKW4	N/A	4941	P5060-04	Intact
5	MBHKY6	N/A	4872	P5060-05	Intact
6	MBHKY7	N/A	4873	P5060-06	Intact
7	MBHKY8	N/A	4874	P5060-07	Intact
8	MBHKY9	N/A	4875	P5060-08	Intact
9	MBHKZ0	N/A	4876	P5060-09	Intact
10	MBHKZ1	N/A	4877	P5060-10	Intact
11	MBHKZ2	N/A	4878	P5060-11	Intact
12	MBHL56	N/A	5513	P5060-12	Intact
13	MBHL57	N/A	5514	P5060-13	Intact
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>12/3/24</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>2</u>
Received By (Print Name) <u>Ronse Morgan</u>		Log-in Date 12/3/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHXR8	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>770419012650</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.1</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>12/03/2024</u>
12. Time Received	<u>09:50</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MBHKX1	N/A	4913	P5060-14	Intact
2	MBHKX2	N/A	4893	P5060-15	Intact
3	MBHKX3	N/A	4894	P5060-16	Intact
4	MBHKX4	N/A	4895	P5060-17	Intact
5	MBHKX6	N/A	4897	P5060-18	Intact
6	MBHKX7	N/A	4898	P5060-19	Intact
7	MBHKX8	N/A	4899	P5060-20	Intact
8	MBHL58	N/A	5515	P5060-21	Intact
9	MBHL59	N/A	5516	P5060-22	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>12/3/24</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.	MBHKR8
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	6	✓	
4. CSF Inventory Sheet (DC-2)	7	9	✓	
5. SDG Narrative	10	12	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	13	15	✓	

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	16	35	✓	
9. Instrument raw data by instrument in analysis order	36	635	✓	

Other Data

10. Standard and Reagent Preparation Logs	636	774	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	775	776	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	777	803	✓	
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 2)

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
804	805	✓	
NA	NA	✓	
806	807	✓	
NA	NA	✓	
808	809	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MBHKR8

CASE # 51879

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P5060

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 12/03/2024.

B. Parameters

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

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.1°C

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 MBHKR8 For Antimony:

If C = 0.0237614 ppm

V_f = 100 ml

W = 1.26 g

S = 0.787(78.7/100)

DF = 1

$$\text{Concentration (mg/kg)} = 0.0237614 \times \frac{100}{1.26 \times 0.787} \times 1$$

$$= 2.396220 \text{ mg/kg}$$

$$= 2.4 \text{ mg/kg (Reported Result with Signification)}$$

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, Selenium, Silver, Thallium and Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Calcium, Chromium, Cobalt, Copper, Manganese and Zinc.

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: 12/5/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 13:55
In Date: 12/04/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 12/05/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133727

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
P5060-01	MBHKR8	1	1.15	8.48	9.63	7.82	78.7	
P5060-02	MBHKR8D	2	1.15	8.48	9.63	7.82	78.7	
P5060-03	MBHKR8S	3	1.15	8.48	9.63	7.82	78.7	
P5060-04	MBHKW4	4	1.14	8.39	9.53	8.84	91.8	
P5060-05	MBHKY6	5	1.12	8.60	9.72	7.82	77.9	
P5060-06	MBHKY7	6	1.14	8.83	9.97	8.89	87.8	
P5060-07	MBHKY8	7	1.12	8.84	9.96	9.19	91.3	
P5060-08	MBHKY9	8	1.14	8.53	9.67	8.78	89.6	
P5060-09	MBHKZ0	9	1.15	8.54	9.69	8.76	89.1	
P5060-10	MBHKZ1	10	1.13	8.57	9.7	8.79	89.4	
P5060-11	MBHKZ2	11	1.12	8.85	9.97	9.4	93.6	
P5060-12	MBHL56	12	1.13	8.84	9.97	7.14	68.0	
P5060-13	MBHL57	13	1.12	8.69	9.81	9.15	92.4	
P5060-14	MBHKX1	14	1.12	8.52	9.64	8.83	90.5	
P5060-15	MBHKX2	15	1.13	8.80	9.93	7.46	71.9	
P5060-16	MBHKX3	16	1.15	8.64	9.79	8.2	81.6	
P5060-17	MBHKX4	17	1.14	8.82	9.96	8.63	84.9	
P5060-18	MBHKX6	18	1.12	8.67	9.79	9.34	94.8	
P5060-19	MBHKX7	19	1.13	8.41	9.54	8.93	92.7	
P5060-20	MBHKX8	20	1.14	8.41	9.55	8.81	91.2	
P5060-21	MBHL58	21	1.15	8.78	9.93	9.11	90.7	
P5060-22	MBHL59	22	1.16	8.63	9.79	8.53	85.4	

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

WORKLIST(Hardcopy Internal Chain)

133727

WorkList Name : %1-p5060

WorkList ID : 185963

Department : Wet-Chemistry

Date : 12-04-2024 10:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5060-01	MBHKR8	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-02	MBHKR8D	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-03	MBHKR8S	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-04	MBHKW4	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-05	MBHKY6	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-06	MBHKY7	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-07	MBHKY8	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-08	MBHKY9	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-09	MBHKZ0	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-10	MBHKZ1	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-11	MBHKZ2	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-12	MBHL56	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-13	MBHL57	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-14	MBHKX1	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-15	MBHKX2	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-16	MBHKX3	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-17	MBHKX4	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-18	MBHKX6	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-19	MBHKX7	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-20	MBHKX8	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO
P5060-21	MBHL58	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO

Date/Time 12/04/24 13:10
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: JWC

Date/Time 12/04/24
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

133727

WorkList Name : %1-p5060

WorkList ID : 185963

Department : Wet-Chemistry

Date : 12-04-2024 10:25:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5060-22	MBHL59	Solid	Percent Solids	Cool 4 deg C	USEP01	C53	11/21/2024	Chemtech -SO

Date/Time 12/04/24 13:10
Raw Sample Received by: JD WCC
Raw Sample Relinquished by: JTCsm

Date/Time 12/04/24 14:00
Raw Sample Received by: JTCsm
Raw Sample Relinquished by: JTCsm