SDG COVER PAGE

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

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHHP1

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MBHHQ1	P4932-01	X			
MBHHQ2	P4932-02	X			
MBHHQ2D	P4932-03	X			
MBHHQ2S	P4932-04	X			
MBHHQ3	P4932-05	X			
MBHHQ4	P4932-06	X			
MBHHQ5	P4932-07	X			
MBHHQ6	P4932-08	X			
MBHHQ7	P4932-09	X			
MBHHQ8	P4932-10	X			
MBHHQ9	P4932-11	X			
MBHHP1	P4932-12	X			
MBHHP2	P4932-13	X			
MBHHP3	P4932-14	X			
MBHHP4	P4932-15	X			
MBHHP5	P4932-16	X			
MBHHP6	P4932-17	X			
MBHHP7	P4932-18	X			
MBHHP8	P4932-19	X			
MBHHP9	P4932-20	X			
MBHHQ0	P4932-21	X			
MBHHR0	P4932-22	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 # MBHHP1

USEPA CLP COC (LAB COPY)
DateShipped: 11/19/2024
CarrierName: FedEx
AirbillNo: 7700 7470 4458

CHAIN OF CUSTODY RECORD

Case #: 51879
Cooler #: 1

No: 2-111924-094038-0008
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
P121-SB-10-Z12-18	MBHHN7	Soil/		ICP-AES(35)	1220 (Wet ice < 6 C) (1)	P121-SB-10	11/15/2024 12:30	
P121-SB-10-Z18-24	MBHHN8	Soil/		ICP-AES(35)	1221 (Wet ice < 6 C) (1)	P121-SB-10	11/15/2024 12:30	
P121-SB-10-Z24-30	MBHHN9	Soil/		ICP-AES(35)	1222 (Wet ice < 6 C) (1)	P121-SB-10	11/15/2024 12:30	
P121-SB-10-Z30-36	MBHHP0	Soil/		ICP-AES(35)	1223 (Wet ice < 6 C) (1)	P121-SB-10	11/15/2024 12:30	
P120-SB-11-Z00-02	MBHHQ1	Soil/		ICP-AES(35)	1203 (Wet ice < 6 C) (1)	P120-SB-11	11/15/2024 10:15	1
P120-SB-11-Z02-06	MBHHQ2	Soil/		ICP-AES(35)	1204 (Wet ice < 6 C) (2)	P120-SB-11	11/15/2024 10:15	2
P120-SB-11-Z06-12	MBHHQ3	Soil/		ICP-AES(35)	1205 (Wet ice < 6 C) (1)	P120-SB-11	11/15/2024 10:15	3
P120-SB-11-Z12-18	MBHHQ4	Soil/		ICP-AES(35)	1206 (Wet ice < 6 C) (1)	P120-SB-11	11/15/2024 10:15	4
P120-SB-11-Z18-24	MBHHQ5	Soil/		ICP-AES(35)	1207 (Wet ice < 6 C) (1)	P120-SB-11	11/15/2024 10:15	5
P120-SB-11-Z24-30	MBHHQ6	Soil/		ICP-AES(35)	1208 (Wet ice < 6 C) (1)	P120-SB-11	11/15/2024 10:15	6

Sample(s) to be used for Lab QC: P120-SB-11-Z02-06 Tag 1204 - Special Instructions: Additional sample volume provided for MBHHM8 and MBHHQ2 is for MS/MSD.	**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		11/19/2024 14:45		11-20-24 1010	2.9°C IR Gun #1
		N/A			Custody seals INTACT
			11/19/24		Temp BLK - present

68HERH20D0011

SDG # MBHHP1

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 2-111924-094038-0008

DateShipped: 11/19/2024
CarrierName: FedEx
AirbillNo: 7700 7470 4458

Case #: 51879
Cooler #: 1

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
P120-SB-11-Z30-36	MBHHQ7	Soil/		ICP-AES(35)	1209 (Wet ice < 6 C) (1)	P120-SB-11	11/15/2024 10:15	7
P120-SB-12-Z00-02-FD	MBHHQ8	Soil/		ICP-AES(35)	5435 (Wet ice < 6 C) (1)	P120-SB-12	11/15/2024 10:40	8
P121-SB-10-Z30-36-FD	MBHHQ9	Soil/		ICP-AES(35)	5436 (Wet ice < 6 C) (1)	P121-SB-10	11/15/2024 12:30	9

N/A
11/19/24

Special Instructions: Additional sample volume provided for MBHHM8 and MBHHQ2 is for MS/MSD.

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	UST	11/19/24 14:45		11-20-24 1010	2.9°C IR Gun #1
		N/A 11/19/24			custody seals intact
					Temp Blk present

68HERH20D0011

SDG # MBHHP1

USEPA CLP COC (LAB COPY)
DateShipped: 11/19/2024
CarrierName: FedEx
AirbillNo: 7700 7470 4491

CHAIN OF CUSTODY RECORD

Case #: 51879
Cooler #: 2

No: 2-111924-113633-0009
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
P120-SB-10-Z00-02	MBHHP1	Soil/		ICP-AES(35)	1196 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P120-SB-10-Z02-06	MBHHP2	Soil/		ICP-AES(35)	1197 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P120-SB-10-Z06-12	MBHHP3	Soil/		ICP-AES(35)	1198 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P120-SB-10-Z12-18	MBHHP4	Soil/		ICP-AES(35)	1199 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P120-SB-10-Z18-24	MBHHP5	Soil/		ICP-AES(35)	1200 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P120-SB-10-Z24-30	MBHHP6	Soil/		ICP-AES(35)	1201 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P113-SB-14-Z00-02	MBHHP7	Soil/		ICP-AES(35)	1147 (Wet ice < 6 C) (1)	P113-SB-14	11/18/2024 14:30	
P113-SB-14-Z02-06	MBHHP8	Soil/		ICP-AES(35)	1148 (Wet ice < 6 C) (1)	P113-SB-14	11/18/2024 14:30	
P113-SB-14-Z06-12	MBHHP9	Soil/		ICP-AES(35)	1149 (Wet ice < 6 C) (1)	P113-SB-14	11/18/2024 14:30	
P113-SB-14-Z12-18	MBHHQ0	Soil/		ICP-AES(35)	1150 (Wet ice < 6 C) (1)	P113-SB-14	11/18/2024 14:30	

Special Instructions: Sample MBHHS4 is a rinse blank.

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] CISP	11/19/2024 1535	[signature]	11-20-24 1010	3.3° IR GUN #1
			N/A [signature]	11/19/24	custody seals intact Temp blk present

68HERH20D0011

SDG # MBHHP1

USEPA CLP COC (LAB COPY)
DateShipped: 11/19/2024
CarrierName: FedEx
AirbillNo: 7700 7470 4491

CHAIN OF CUSTODY RECORD

Case #: 51879
Cooler #: 2

No: 2-111924-113633-0009
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
P120-SB-10-Z00-02-FD	MBHHR0	Soil/		ICP-AES(35)	5437 (Wet ice < 6 C) (1)	P120-SB-10	11/15/2024 10:05	
P111-SB-30-Z00-02	MBHHR1	Soil/		ICP-AES(35)	1126 (Wet ice < 6 C) (1)	P111-SB-30	11/18/2024 15:10	
P111-SB-30-Z02-06	MBHHR2	Soil/		ICP-AES(35)	1127 (Wet ice < 6 C) (1)	P111-SB-30	11/18/2024 15:10	
P111-SB-30-Z06-12	MBHHR3	Soil/		ICP-AES(35)	1128 (Wet ice < 6 C) (1)	P111-SB-30	11/18/2024 15:10	
P111-SB-30-Z12-18	MBHHR4	Soil/		ICP-AES(35)	1129 (Wet ice < 6 C) (1)	P111-SB-30	11/18/2024 15:10	
P111-SB-30-Z18-24	MBHHR5	Soil/		ICP-AES(35)	1130 (Wet ice < 6 C) (1)	P111-SB-30	11/18/2024 15:10	
P111-SB-30-Z24-30	MBHHR6	Soil/		ICP-AES(35)	1131 (Wet ice < 6 C) (1)	P111-SB-30	11/18/2024 15:10	
P143-SB-26-Z00-02	MBHHR7	Soil/		ICP-AES(35)	2192 (Wet ice < 6 C) (1)	P143-SB-26	11/19/2024 09:00	
P143-SB-26-Z02-06	MBHHR8	Soil/		ICP-AES(35)	2193 (Wet ice < 6 C) (1)	P143-SB-26	11/19/2024 09:00	
P143-SB-26-Z06-12	MBHHR9	Soil/		ICP-AES(35)	2194 (Wet ice < 6 C) (1)	P143-SB-26	11/19/2024 09:00	

Special Instructions: Sample MBHHS4 is a rinse blank.

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	11/19/24 1535	[signature]	11-20-24 1010	3.3°C TR GUN #1
					custody seals INTACT
			[signature]	N/A	Temp blk present
			11/18/24		

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 2
Received By (Print Name) George Nelson		Log-in Date **11/20/2024**
Received By (Signature)		
Case Number 51879	SDG No. MBHHQ1	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.	770074704458 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.9 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	11/20/2024
12.Time Received	10:10

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHHQ1	N/A	1203	P4932-01	Intact
2	MBHHQ2	N/A	1204	P4932-02	Intact
3	MBHHQ2D	N/A	1204	P4932-03	Intact
4	MBHHQ2S	N/A	1204	P4932-04	Intact
5	MBHHQ3	N/A	1205	P4932-05	Intact
6	MBHHQ4	N/A	1206	P4932-06	Intact
7	MBHHQ5	N/A	1207	P4932-07	Intact
8	MBHHQ6	N/A	1208	P4932-08	Intact
9	MBHHQ7	N/A	1209	P4932-09	Intact
10	MBHHQ8	N/A	5435	P4932-10	Intact
11	MBHHQ9	N/A	5436	P4932-11	Intact
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	11/20/24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 2 of 2
Received By (Print Name) GOASG NEGUON		Log-in Date **11/20/2024**
Received By (Signature)		
Case Number 51879	SDG No. MBHHP1 P2	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.	770074704491 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	3.3 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	11/20/2024
12.Time Received	10:10

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHHP1	N/A	1196	P4932-12	Intact
2	MBHHP2	N/A	1197	P4932-13	Intact
3	MBHHP3	N/A	1198	P4932-14	Intact
4	MBHHP4	N/A	1199	P4932-15	Intact
5	MBHHP5	N/A	1200	P4932-16	Intact
6	MBHHP6	N/A	1201	P4932-17	Intact
7	MBHHP7	N/A	1147	P4932-18	Intact
8	MBHHP8	N/A	1148	P4932-19	Intact
9	MBHHP9	N/A	1149	P4932-20	Intact
10	MBHHQ0	N/A	1150	P4932-21	Intact
11	MBHHR0	N/A	5437	P4932-22	Intact
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 11/20/24	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.	**MBHHP1**
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	5	✓	
3 . Sample Log-In Sheet (DC-1)	6	7	✓	
4 . CSF Inventory Sheet (DC-2)	8	10	✓	
5 . SDG Narrative	11	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	701	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	702	873	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	874	875	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	876	896	✓	
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 2)	897	898	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	899	900	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	901	902	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

Completed by:
(CLP Lab)

(Signature)	Nimisha Pandya, Document Control Officer (Print Name & Title)	(Date)

Audited by:
(EPA)

(Signature)	(Print Name & Title)	(Date)

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MBHHP1
CASE # 51879
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4932

A. Number of Samples and Date of Receipt

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

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: 2.9^{o}C, 3.3^{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 MBHHQ1 For Antimony:

If C = 0.0271995 ppm
Vf = 100 ml
W = 1.10 g
S = 0.823(82.3/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.0271995 \times \frac{100}{1.10 \times 0.823} \times 1$$

$$= 3.00447 \text{ mg/kg}$$

= 3.0 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 Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

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: 11/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 13:25
In Date: 11/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:05
Out Date: 11/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133532

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
P4932-01	MBHHQ1	1	1.15	8.37	9.52	8.04	82.3	
P4932-02	MBHHQ2	2	1.15	8.77	9.92	8.55	84.4	
P4932-03	MBHHQ2D	3	1.15	8.77	9.92	8.55	84.4	
P4932-04	MBHHQ2S	4	1.15	8.77	9.92	8.55	84.4	
P4932-05	MBHHQ3	5	1.14	8.80	9.94	8.53	84.0	
P4932-06	MBHHQ4	6	1.19	8.66	9.85	8.11	79.9	
P4932-07	MBHHQ5	7	1.13	8.76	9.89	8.37	82.6	
P4932-08	MBHHQ6	8	1.17	8.56	9.73	8.38	84.2	
P4932-09	MBHHQ7	9	1.16	8.73	9.89	8.92	88.9	
P4932-10	MBHHQ8	10	1.13	8.81	9.94	7.98	77.8	
P4932-11	MBHHQ9	11	1.13	8.68	9.81	8.56	85.6	
P4932-12	MBHHP1	12	1.19	8.62	9.81	7.58	74.1	
P4932-13	MBHHP2	13	1.15	8.82	9.97	8.28	80.8	
P4932-14	MBHHP3	14	1.13	8.80	9.93	8.39	82.5	
P4932-15	MBHHP4	15	1.18	8.76	9.94	8.7	85.8	
P4932-16	MBHHP5	16	1.19	8.53	9.72	8.44	85.0	
P4932-17	MBHHP6	17	1.16	8.52	9.68	8.2	82.6	
P4932-18	MBHHP7	18	1.16	8.54	9.7	7.37	72.7	
P4932-19	MBHHP8	19	1.17	8.79	9.96	7.56	72.7	
P4932-20	MBHHP9	20	1.19	8.71	9.9	7.96	77.7	
P4932-21	MBHHQ0	21	1.13	8.70	9.83	8.02	79.2	
P4932-22	MBHHR0	22	1.15	8.81	9.96	7.74	74.8	

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

WORKLIST(Hardcopy Internal Chain)

VB133532

WorkList Name : %1-p4932 **WorkList ID :** 185613 **Department :** Wet-Chemistry **Date :** 11-20-2024 12:03:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4932-01	MBHHQ1	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-02	MBHHQ2	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-03	MBHHQ2D	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-04	MBHHQ2S	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-05	MBHHQ3	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-06	MBHHQ4	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-07	MBHHQ5	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-08	MBHHQ6	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-09	MBHHQ7	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-10	MBHHQ8	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-11	MBHHQ9	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-12	MBHHP1	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-13	MBHHP2	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-14	MBHHP3	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-15	MBHHP4	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-16	MBHHP5	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-17	MBHHP6	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-18	MBHHP7	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO
P4932-19	MBHHP8	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4932-20	MBHHP9	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO
P4932-21	MBHHQ0	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/18/2024	Chemtech -SO

Date/Time 11-20-24 12:40
Raw Sample Received by: JD WC1
Raw Sample Relinquished by: J.C (SM1

Date/Time 11-20-24 13:30
Raw Sample Received by: J.C (SM1
Raw Sample Relinquished by: JD WC1

WORKLIST(Hardcopy Internal Chain)

VP 133532

WorkList Name : %1-p4932 **WorkList ID :** 185613 **Department :** Wet-Chemistry **Date :** 11-20-2024 12:03:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4932-22	MBHHR0	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/15/2024	Chemtech -SO

Date/Time 11-20-24 12:40
Raw Sample Received by: JB WC
Raw Sample Relinquished by: [signature]

Date/Time 11-20-24 13:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]