

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHKZ7
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>MBHKZ7</u>	<u>P5062-01</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKZ8</u>	<u>P5062-02</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHKZ9</u>	<u>P5062-03</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL00</u>	<u>P5062-04</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL01</u>	<u>P5062-05</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL02</u>	<u>P5062-06</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL02D</u>	<u>P5062-07</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL02S</u>	<u>P5062-08</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL23</u>	<u>P5062-09</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL24</u>	<u>P5062-10</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL25</u>	<u>P5062-11</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL26</u>	<u>P5062-12</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL27</u>	<u>P5062-13</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL68</u>	<u>P5062-14</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHL69</u>	<u>P5062-15</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLC8</u>	<u>P5062-16</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLC9</u>	<u>P5062-17</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLD0</u>	<u>P5062-18</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLD1</u>	<u>P5062-19</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLD2</u>	<u>P5062-20</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLD3</u>	<u>P5062-21</u>	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
<u>MBHLD4</u>	<u>P5062-22</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 3921

CHAIN OF CUSTODY RECORD

Case #: 51879

Cooler #: 4

No: 2-120224-150823-0037

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
P177-SB-03-Z00-02	MBHKZ3	Soil		ICP-AES(35)	4963 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	
P177-SB-03-Z02-06	MBHKZ4	Soil		ICP-AES(35)	4964 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	
P177-SB-03-Z06-12	MBHKZ5	Soil		ICP-AES(35)	4965 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	
P177-SB-03-Z12-18	MBHKZ6	Soil		ICP-AES(35)	4966 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	
P177-SB-03-Z18-24	MBHKZ7	Soil		ICP-AES(35)	4967 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	1
P177-SB-03-Z24-30	MBHKZ8	Soil		ICP-AES(35)	4968 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	2
P177-SB-03-Z30-36	MBHKZ9	Soil		ICP-AES(35)	4969 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	3
P177-SB-08-Z00-02	MBHL00	Soil		ICP-AES(35)	4998 (Wet ice < 6 C) (1)	P177-SB-08	11/21/2024 13:20	4
P177-SB-08-Z02-06	MBHL01	Soil		ICP-AES(35)	4999 (Wet ice < 6 C) (1)	P177-SB-08	11/21/2024 13:20	5
P177-SB-08-Z06-12	MBHL02	Soil		ICP-AES(35)	5000 (Wet ice < 6 C) (1)	P177-SB-08	11/21/2024 13:20	6

Sample(s) to be used for Lab QC: P177-SB-08-Z06-12 Tag 5000 - Special Instructions: Samples MBHL09 and MBHL02 are MS/MSDs. Samples MBHKZ7, MBHKZ8, MBHKZ9 and MBHL03 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	<i>[Signature]</i> WSP	12/2/24 17:15	<i>[Signature]</i>	12-3-24 08:00	1.3°C JAL GUV #1
					custody seals intact
					Temp still passed

CHAIN OF CUSTODY RECORD

Cooler #: 4

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
P177-SB-09-Z06-12	MBHL23	Soil/		ICP-AES(35)	5007 (Wet ice < 6 C) (1)	P177-SB-09	11/21/2024 12:05	✓
P177-SB-09-Z12-18	MBHL24	Soil/		ICP-AES(35)	5008 (Wet ice < 6 C) (1)	P177-SB-09	11/21/2024 12:05	✓
P177-SB-09-Z18-24	MBHL25	Soil/		ICP-AES(35)	5009 (Wet ice < 6 C) (1)	P177-SB-09	11/21/2024 12:05	✓
P177-SB-09-Z24-30	MBHL26	Soil/		ICP-AES(35)	5010 (Wet ice < 6 C) (1)	P177-SB-09	11/21/2024 12:05	✓
P177-SB-09-Z30-36	MBHL27	Soil/		ICP-AES(35)	5011 (Wet ice < 6 C) (1)	P177-SB-09	11/21/2024 12:05	✓
P177-SB-09-Z18-24-FD	MBHL68	Soil/		ICP-AES(35)	5519 (Wet ice < 6 C) (1)	P177-SB-09	11/21/2024 12:05	✓
P177-SB-03-Z00-02-FD	MBHL69	Soil/		ICP-AES(35)	5520 (Wet ice < 6 C) (1)	P177-SB-03	11/21/2024 11:50	✓

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	<i>[Signature]</i> WSP	12/2/24 17:15	<i>[Signature]</i>	12-3-24 0830	ATC one new #1
					custody seals intact
					Temp data passes

USEPA CLP COC (LAB COPY)

Date Shipped: 12/2/2024

Carrier Name: FedEx

Airbill No: 7704 1901 4696

CHAIN OF CUSTODY RECORD

68HERH20D0011

SDG # MBHKZ7

No: 2-120224-154336-0038

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

Case #: 51879

Cooler #: 5



Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P173-SB-02-Z06-12	MBHLC8	Soil		ICP-AES(35)	4372 (Wet Ice < 6 C) (1)	P173-SB-02	11/26/2024 09:00	14
P173-SB-02-Z12-18	MBHLC9	Soil		ICP-AES(35)	4373 (Wet Ice < 6 C) (1)	P173-SB-02	11/26/2024 09:00	15
P173-SB-02-Z18-24	MBHLD0	Soil		ICP-AES(35)	4374 (Wet Ice < 6 C) (1)	P173-SB-02	11/26/2024 09:00	16
P173-SB-02-Z24-30	MBHLD1	Soil		ICP-AES(35)	4375 (Wet Ice < 6 C) (1)	P173-SB-02	11/26/2024 09:00	17
P173-SB-02-Z30-36	MBHLD2	Soil		ICP-AES(35)	4376 (Wet Ice < 6 C) (1)	P173-SB-02	11/26/2024 09:00	18
P173-SB-12-Z24-30-FD	MBHLD3	Soil		ICP-AES(35)	5521 (Wet Ice < 6 C) (1)	P173-SB-12	11/26/2024 09:40	19
P173-SB-18-Z12-18-FD	MBHLD4	Soil		ICP-AES(35)	5522 (Wet Ice < 6 C) (1)	P173-SB-18	11/26/2024 10:25	20

Special Instructions: Samples MBHL82 and MBHL34 are MS/MSDs. Samples MBHL28, MBHL29, MBHL30, MBHL31, MBHL98 and MBHL70 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		12/02/24 1720		12-3-24 0850	1.9% MLSW #1
					custody seals intact
					Temp not 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>Gorge Leguina</u>		Log-in Date 12/3/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51879	SDG No. MBHKZ7	MA No. N/A

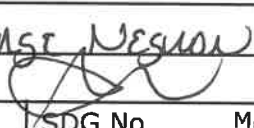
Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>770419013921</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.7</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	MBHKZ7	N/A	4967	P5062-01	Intact
2	MBHKZ8	N/A	4968	P5062-02	Intact
3	MBHKZ9	N/A	4969	P5062-03	Intact
4	MBHL00	N/A	4998	P5062-04	Intact
5	MBHL01	N/A	4999	P5062-05	Intact
6	MBHL02	N/A	5000	P5062-06	Intact
7	MBHL02D	N/A	5000	P5062-07	Intact
8	MBHL02S	N/A	5000	P5062-08	Intact
9	MBHL23	N/A	5007	P5062-09	Intact
10	MBHL24	N/A	5008	P5062-10	Intact
11	MBHL25	N/A	5009	P5062-11	Intact
12	MBHL26	N/A	5010	P5062-12	Intact
13	MBHL27	N/A	5011	P5062-13	Intact
14	MBHL68	N/A	5519	P5062-14	Intact
15	MBHL69	N/A	5520	P5062-15	Intact
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>Boast Nelson</u>		Log-in Date 12/3/2024
Received By (Signature) 		
Case Number 51879	SDG No. MBHKZ7	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>770419014696</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.9</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	MBHLC8	N/A	4372	P5062-16	Intact
2	MBHLC9	N/A	4373	P5062-17	Intact
3	MBHLD0	N/A	4374	P5062-18	Intact
4	MBHLD1	N/A	4375	P5062-19	Intact
5	MBHLD2	N/A	4376	P5062-20	Intact
6	MBHLD3	N/A	5521	P5062-21	Intact
7	MBHLD4	N/A	5522	P5062-22	Intact
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 <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.	MBHKZ7
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	782	✓	

Other Data

10. Standard and Reagent Preparation Logs	783	920	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	921	922	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	923	957	✓	
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	✓	

	<u>PAGE NOS:</u>		<u>CHECK</u>	
	<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>REGION</u>
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
958	959	✓	
NA	NA	✓	
960	961	✓	
NA	NA	✓	
962	963	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MBHKZ7

CASE # 51879

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P5062

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: 1.7°C & 1.9°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):

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

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 MBHKZ7 For Arsenic:

If C = 0.0368890 ppm

V_f = 100 ml

W = 1.18 g

S = 0.901(90.1/100)

DF = 1

$$\text{Concentration (mg/kg)} = 0.0368890 \times \frac{100}{1.18 \times 0.901} \times 1$$

$$= 3.4697 \text{ mg/kg}$$

$$= 3.5 \text{ mg/kg (Reported Result with Signification)}$$

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, Silver, and Thallium. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Chromium, 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.



**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: 12/5/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 14:35
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: 08:22
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:LB133729

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
P5062-01	MBHKZ7	1	1.15	8.72	9.87	9.01	90.1	
P5062-02	MBHKZ8	2	1.16	8.72	9.88	9.14	91.5	
P5062-03	MBHKZ9	3	1.14	8.67	9.81	9.15	92.4	
P5062-04	MBHL00	4	1.15	8.70	9.85	7.6	74.1	
P5062-05	MBHL01	5	1.13	8.61	9.74	7.46	73.5	
P5062-06	MBHL02	6	1.14	8.72	9.86	8.03	79.0	
P5062-07	MBHL02D	7	1.14	8.72	9.86	8.03	79.0	
P5062-08	MBHL02S	8	1.14	8.72	9.86	8.03	79.0	
P5062-09	MBHL23	9	1.15	8.53	9.68	7.52	74.7	
P5062-10	MBHL24	10	1.15	8.71	9.86	8.29	82.0	
P5062-11	MBHL25	11	1.14	8.50	9.64	8.37	85.1	
P5062-12	MBHL26	12	1.16	8.37	9.53	7.85	79.9	
P5062-13	MBHL27	13	1.15	8.60	9.75	8.55	86.0	
P5062-14	MBHL68	14	1.14	8.49	9.63	8.34	84.8	
P5062-15	MBHL69	15	1.16	8.73	9.89	7.28	70.1	
P5062-16	MBHLC8	16	1.15	8.55	9.7	8.07	80.9	
P5062-17	MBHLC9	17	1.15	8.65	9.8	8.33	83.0	
P5062-18	MBHLD0	18	1.16	8.58	9.74	8.36	83.9	
P5062-19	MBHLD1	19	1.16	8.81	9.97	8.65	85.0	
P5062-20	MBHLD2	20	1.16	8.64	9.8	8.33	83.0	
P5062-21	MBHLD3	21	1.15	8.55	9.7	9.19	94.0	
P5062-22	MBHLD4	22	1.15	8.67	9.82	7.96	78.5	

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

WORKLIST(Hardcopy Internal Chain)

133729

WorkList Name : %1-p5062

WorkList ID : 185968

Department : Wet-Chemistry

Date : 12-04-2024 11:18:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5062-01	MBHKZ7	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-02	MBHKZ8	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-03	MBHKZ9	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-04	MBHL00	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-05	MBHL01	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-06	MBHL02	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-07	MBHL02D	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-08	MBHL02S	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-09	MBHL23	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-10	MBHL24	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-11	MBHL25	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-12	MBHL26	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-13	MBHL27	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-14	MBHL68	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-15	MBHL69	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-16	MBHLC8	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/21/2024	Chemtech -SO
P5062-17	MBHLC9	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/26/2024	Chemtech -SO
P5062-18	MBHLD0	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/26/2024	Chemtech -SO
P5062-19	MBHLD1	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/26/2024	Chemtech -SO
P5062-20	MBHLD2	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/26/2024	Chemtech -SO
P5062-21	MBHLD3	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/26/2024	Chemtech -SO

Date/Time 12/04/24 14:10

Raw Sample Received by: JRLWC

Raw Sample Relinquished by: JRLWC

Date/Time 12/04/24 14:10

Raw Sample Received by: JRLWC

WORKLIST(Hardcopy Internal Chain)

12/33329

WorkList Name : %1-p5062

WorkList ID : 185968

Department : Wet-Chemistry

Date : 12-04-2024 11:18:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5062-22	MBHLD4	Solid	Percent Solids	Cool 4 deg C	USEP01	C61	11/26/2024	Chemtech -SO

Date/Time 12/04/24 14:10
Raw Sample Received by: JTC
Raw Sample Relinquished by: JTC

Date/Time 12/04/24 14:40
Raw Sample Received by: JTC
Raw Sample Relinquished by: JTC