SDG COVER PAGE

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

Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCX4

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MBHCY1	P4502-01	X		X	X
MBHCY2	P4502-02	X		X	X
MBHCY3	P4502-03	X		X	X
MBHCY4	P4502-04	X		X	X
MBHCY8	P4502-05	X		X	X
MBHCY9	P4502-06	X		X	X
MBHCZ0	P4502-07	X		X	X
MBHCZ1	P4502-08	X		X	X
MBHCZ2	P4502-09	X		X	X
MBHCZ3	P4502-10	X		X	X
MBHCX4	P4502-11	X		X	X
MBHCX7	P4502-12	X		X	X
MBHCX8	P4502-13	X		X	X
MBHCX9	P4502-14	X		X	X
MBHDO0	P4502-15	X		X	X
MBHDO1	P4502-16	X		X	X
MBHDO2	P4502-17	X		X	X
MBHDO3	P4502-18	X		X	X
MBHDO4	P4502-19	X		X	X
MBHZC9	P4502-20	X		X	X
MBHZC9D	P4502-21	X		X	X
MBHZC9S	P4502-22	X		X	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: _____

USEPA CLP COC (LAB COPY)
DateShipped: 10/22/2024
CarrierName: FedEx
AirbillNo: 779427608339

CHAIN OF CUSTODY RECORD

Case #: 51698
Cooler #: 2 of 5

No: 2-102224-0030-5005-02
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
P065-SS014-4254-01	MBHCY1	Soil/ START	Grab	Metals + Hg + Cn(180)	C (4 C) (1)	Boring 14	10/17/2024 08:45	
P065-SS014-5466-01	MBHCY2	Soil/ START	Grab	Metals + Hg + Cn(180)	C (4 C) (1)	Boring 14	10/17/2024 08:47	
P065-SS014-6678-01	MBHCY3	Soil/ START	Grab	Metals + Hg + Cn(180)	C (4 C) (1)	Boring 14	10/17/2024 08:50	
P065-SS014-7890-01	MBHCY4	Soil/ START	Grab	Metals + Hg + Cn(180)	C (4 C) (1)	Boring 14	10/17/2024 08:55	
P065-SS015-3042-01	MBHCY8	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 15	10/17/2024 09:16	
P065-SS015-4254-01	MBHCY9	Soil/ START	Grab	Metals + Hg + Cn(180)	U (4 C) (1)	Boring 15	10/17/2024 09:20	
P065-SS015-5466-01	MBHCZ0	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 15	10/17/2024 09:23	
P065-SS015-6678-01	MBHCZ1	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 15	10/17/2024 09:26	
P065-SS015-7890-01	MBHCZ2	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 15	10/17/2024 09:28	
P065-SS014-0612-01	MBHCZ3	Soil/ START	Grab	Metals + Hg + Cn(180)	H (4 C) (1)	Boring 14	10/17/2024 08:33	

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: Metals + Hg + Cn=TAL Metals + Hg + Cn

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Stantec	10-22-24/1600	Fed Ex		
				10-23-24 0950	2-1°C IR GUN #1
					Custody seals intact
					Temp blk - present

USEPA CLP COC (LAB COPY)
DateShipped: 10/22/2024
CarrierName: FedEx
AirbillNo: 779427640386

CHAIN OF CUSTODY RECORD

Case #: 51698
Cooler #: 4 of 5

No: 2-102224-0030-5005-04
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
P065-SS024-1218-02	MBHCX4	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 24	10/16/2024 10:00	
P065-SS024-6072-01	MBHCX7	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 24	10/16/2024 11:40	
P065-SS024-7284-01	MBHCX8	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 24	10/16/2024 11:50	
P065-SS024-8496-01	MBHCX9	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 24	10/16/2024 12:00	
P065-SS025-1824-01	MBHDO0	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 25	10/18/2024 15:00	
P065-SS025-2430-01	MBHDO1	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 25	10/18/2024 15:05	
P065-SS025-3042-01	MBHDO2	Soil/ START	Grab	Metals + Hg + Cn(180)	U (4 C) (1)	Boring 25	10/18/2024 15:10	
P065-SS025-4254-01	MBHDO3	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 25	10/18/2024 15:15	
P065-SS025-5466-01	MBHDO4	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 25	10/18/2024 15:20	
P065-SS025-6678-01	MBHDO5	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 23	10/18/2024 15:25	

Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: Metals + Hg + Cn=TAL Metals + Hg + Cn	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature] / START V	10/22/24/1700	FedEx [signature]	10-23-24 0950	1.9C JK GUN #1
					custody seals intact
					Temp Blk. present

USEPA CLP COC (LAB COPY)
DateShipped: 10/22/2024
CarrierName: FedEx
AirbillNo: 779427640386

CHAIN OF CUSTODY RECORD

Case #: 51698
Cooler #: 4 of 5

No: 2-102224-0030-5005-04
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
P065-SS025-7890-01	MBHDO6	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 25	10/18/2024 15:30	
P065-SS025-0006-01	MBHZC7	Soil/ START	Grab	Metals + Hg + Cn(180)	Y (4 C) (1)	Boring 25	10/18/2024 14:45	
P065-SS025-0612-01	MBHZC8	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 25	10/18/2024 14:50	
P065-SS025-1218-01	MBHZC9	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 25	10/18/2024 14:55	

Sample(s) to be used for Lab QC: P065-SS025-1218-01 Tag Q - Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Analysis Key: Metals + Hg + Cn=TAL Metals + Hg + Cn

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Start & V	10/22/24/1000	FedEx		
				10-23-24 0850	1.9°C IR Gun #1
					Custody seals intact Temp Blk. present

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 2
Received By (Print Name) Gonser Nesmon		Log-in Date 10/23/2024
Received By (Signature)		
Case Number 51698	SDG No. MBHCX4	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.	779427608339 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.1 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	10/23/2024
12.Time Received	09:50

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHCY1	N/A	C	P4502-01	Intact
2	MBHCY2	N/A	C	P4502-02	Intact
3	MBHCY3	N/A	C	P4502-03	Intact
4	MBHCY4	N/A	C	P4502-04	Intact
5	MBHCY8	N/A	Q	P4502-05	Intact
6	MBHCY9	N/A	U	P4502-06	Intact
7	MBHCZ0	N/A	Y	P4502-07	Intact
8	MBHCZ1	N/A	Y	P4502-08	Intact
9	MBHCZ2	N/A	Y	P4502-09	Intact
10	MBHCZ3	N/A	H	P4502-10	Intact
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	10/23/24	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) Gonse Nesuon	Log-in Date **10/23/2024**
Received By (Signature)	
Case Number 51698 | SDG No. MBHCX4	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.	779427640386 2
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	1.9 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	10/23/2024
12.Time Received	09:50

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MBHCX4	N/A	Q	P4502-11	Intact
2	MBHCX7	N/A	Y	P4502-12	Intact
3	MBHCX8	N/A	Y	P4502-13	Intact
4	MBHCX9	N/A	Y	P4502-14	Intact
5	MBHDO0	N/A	Q	P4502-15	Intact
6	MBHDO1	N/A	Q	P4502-16	Intact
7	MBHDO2	N/A	U	P4502-17	Intact
8	MBHDO3	N/A	Y	P4502-18	Intact
9	MBHDO4	N/A	Y	P4502-19	Intact
10	MBHZC9	N/A	Q	P4502-20	Intact
11	MBHZC9D	N/A	Q	P4502-21	Intact
12	MBHZC9S	N/A	Q	P4502-22	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	[signature]	Logbook No.	N/A
Date	10/23/24	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.	**51698**	SDG NO.	**MBHCX4**
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	6	✓	
4 . CSF Inventory Sheet (DC-2)	7	9	✓	
5 . SDG Narrative	10	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	503	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	504	674	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	675	676	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	677	688	✓	
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	689	708	✓	
27. Instrument raw data by instrument in analysis order	709	710	✓	
Other Data				
28. Standard and Reagent Preparation Logs	711	739	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	740	741	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	742	743	✓	
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	744	763	✓	
36. Instrument raw data by instrument in analysis order	764	768	✓	
Other Data				
37. Standard and Reagent Preparation Logs	769	798	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	799	800	✓	
39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	801	804	✓	
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)	805	806	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	807	809	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	810	815	✓	
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 # MBHCX4
CASE # 51698
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4502

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 10/23/2024.

B. Parameters

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

C. Cooler Temp

Indicator Bottle**: Presence/**Absence

Cooler: 2.1^{o}C, 1.9^{o}C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue 1 : A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

E. Corrective Action taken for above:

Resolution 1 : To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method SFAM01.1.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

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Mountainside, NJ 07092

G. Calculation:

Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Example Calculation For Sample MBHCY1 For Antimony:

If C = 0.0142220 ppm
Vf = 100 ml
W = 1.28 g
S = 0.81(81.0/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.0142220 \times \frac{100}{1.28 \times 0.81} \times 1$$

$$= 1.3717 \text{ mg/kg}$$

$$= 1.4 \text{ mg/kg (Reported Result with Signification)}$$

Calculation for Hg Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg :

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument response in µg/L from the calibration curve.
Vf = Final prepared (absorbing solution) volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

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Mountainside, NJ 07092

Example Calculation For Sample MBHCY1:

If C =0.3576 ppb
Vf = 100 mL
W = 0.50g
S = 0.81(81.0/100)
DF = 1

$$\text{Concentration (mg/kg)} = 0.3576 \times \frac{100}{0.50 \times 0.81} \times 1 / 1000$$

$$= 0.088296 \text{ mg/kg}$$

$$= 0.088 \text{ mg/kg (Reported Result with Signification)}$$

Calculation for CN Soil Sample:

Conversion of Results from µg /L or ppb to mg/kg:

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument response in µg/L CN from the calibration curve.
Vf = Final prepared (absorbing solution) volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Example Calculation For Sample MBHCY2:

If C = 5.6534 ppb
Vf = 50 ml
W = 1.04 g
S = 0.719(71.9/100)
DF = 1

$$\text{Concentration (mg/kg)} = 5.6534 \times \frac{50}{1.04 \times 0.719} \times 1 / 1000$$

$$= 0.37802 \text{ mg/kg}$$

$$= 0.38 \text{ mg/kg (Reported Result with Signification)}$$

284 Sheffield Street
Mountainside, NJ 07092

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 Chromium, Copper, Lead, Nickel, Thallium, Vanadium, Zinc . Duplicate sample did meet requirements except for Barium, Cadmium, Cobalt, Copper, Iron, Lead, Manganese, Magnesium, Vanadium. Serial Dilution did meet requirements except for Cadmium.

Chemical or physical interference effect was suspected and the data for all affected analytes in the sample received and associated with this serial dilution were flagged.

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

Signature_____ Name: Nimisha Pandya

Date _____ Title: Document Control Officer

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 14:50
In Date: 10/24/2024
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: 10/25/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133103

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
P4502-01	MBHCY1	1	1.15	8.49	9.64	8.03	81.0	
P4502-02	MBHCY2	2	1.15	8.79	9.94	7.47	71.9	
P4502-03	MBHCY3	3	1.15	8.82	9.97	8.71	85.7	
P4502-04	MBHCY4	4	1.14	8.46	9.6	5.92	56.5	
P4502-05	MBHCY8	5	1.15	8.35	9.5	7.75	79.0	
P4502-06	MBHCY9	6	1.19	8.53	9.72	8.13	81.4	
P4502-07	MBHCZ0	7	1.19	8.53	9.72	7.47	73.6	
P4502-08	MBHCZ1	8	1.14	8.76	9.9	8.36	82.4	
P4502-09	MBHCZ2	9	1.14	8.81	9.95	8.08	78.8	
P4502-10	MBHCZ3	10	1.16	8.75	9.91	8.72	86.4	
P4502-11	MBHCX4	11	1.18	8.54	9.72	8.04	80.3	
P4502-12	MBHCX7	12	1.19	8.41	9.6	8.14	82.6	
P4502-13	MBHCX8	13	1.15	8.40	9.55	7.79	79.0	
P4502-14	MBHCX9	14	1.15	8.38	9.53	6.68	66.0	
P4502-15	MBHDO0	15	1.19	8.42	9.61	7.99	80.8	
P4502-16	MBHDO1	16	1.19	8.50	9.69	8.09	81.2	
P4502-17	MBHDO2	17	1.17	8.40	9.57	7.74	78.2	
P4502-18	MBHDO3	18	1.18	8.52	9.7	7.75	77.1	
P4502-19	MBHDO4	19	1.17	8.80	9.97	8.15	79.3	
P4502-20	MBHZC9	20	1.16	8.82	9.98	8.45	82.7	
P4502-21	MBHZC9D	21	1.16	8.82	9.98	8.45	82.7	
P4502-22	MBHZC9S	22	1.16	8.82	9.98	8.45	82.7	

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

WORKLIST(Hardcopy Internal Chain)

wh 133103

WorkList Name : %1-p4502 **WorkList ID :** 184738 **Department :** Wet-Chemistry **Date :** 10-24-2024 12:21:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4502-01	MBHCY1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-02	MBHCY2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-03	MBHCY3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-04	MBHCY4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-05	MBHCY8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-06	MBHCY9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-07	MBHCZ0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-08	MBHCZ1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-09	MBHCZ2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-10	MBHCZ3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-11	MBHCX4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
P4502-12	MBHCX7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4502-13	MBHCX8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4502-14	MBHCX9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4502-15	MBHDO0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4502-16	MBHDO1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO
P4502-17	MBHDO2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO
P4502-18	MBHDO3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO
P4502-19	MBHDO4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO
P4502-20	MBHZC9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO
P4502-21	MBHZC9D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO

Date/Time 10/24/24 10/24/24 14:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (SM)

Date/Time 10/24/24 15:00

Raw Sample Received by: [signature] (SM)

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

133103

WorkList Name : %1-p4502 **WorkList ID :** 184738 **Department :** Wet-Chemistry **Date :** 10-24-2024 12:21:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4502-22	MBHZC9S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/18/2024	Chemtech -SO

Date/Time 10/24/24 14:10

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JM (SM)

Date/Time 10/24/24 15:00

Raw Sample Received by: JM (SM)

Raw Sample Relinquished by: JB WLC