Lab Name:	Alliance	Technical Group, LLC	Contract	: 68HERH20)D0011	
Lab Code:	ACE	Case No.: 51879	MA No.:			SDG No.: MBHN68
SOW No. :	SFAM01.1					
					s Method	
EPA Sample	e No.	Lab Sample Id	ICP-AES	ICP-MS	Mercury	Cyanide
MBHN68		P5208-01	Х			
MBHN69		P5208-02	Х			
MBHN70		P5208-03	Х			
MBHN71		P5208-04	Х			
MBHN72		P5208-05	Х			
MBHN73		P5208-06	Х			
MBHN74		P5208-07	Х			
MBHNK1		P5208-08	Х			
MBHNK2		P5208-09	Х			
MBHNK3		P5208-10	Х			
MBHNK4		P5208-11	Х			
MBHNK4D		P5208-12	Х			
MBHNK4S		P5208-13	Х			
MBHNK5		P5208-14	Х			
MBHNK6		P5208-15	Х			
MBHNK7		P5208-16	Х			
MBHNK8		P5208-17	Х			
MBHNK9		P5208-18	Х			

SDG COVER PAGE

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:

SDG COVER PAGE

Sample Identifier	_	Matrix/Sampler	Coll.	Analysis/Turnaround	ind Tag/Preservative/Bottles	Location	Collection	Por Lab Use
P179-SB-01-Z00-	MBHN68	Soil/	MODION	ICP-AES(35)	5163 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
02		CCIR						
P179-SB-01-Z02- 06	MBHN69	Soil/		ICP-AES(35)	5164 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
P179-SB-01-Z06- 12	MBHN70	Soil/		ICP-AES(35)	5165 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
P179-SB-01-Z12- 18	MBHN71	Soil/		ICP-AES(35)	5166 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
P179-SB-01-Z18- 24	MBHN72	Soil/		ICP-AES(35)	5167 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
P179-SB-01-Z24- 30	MBHN73	Soil/		ICP-AES(35)	5168 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
P179-SB-01-Z30- 36	MBHN74	Soil/		ICP-AES(35)	5169 (Wet ice < 6 C) (1)	P179-SB-01	11/22/2024 09:05	
P174-SB-17-Z00- 02	MBHNK1	Soil/		ICP-AES(35)	4673 (Wet ice < 6 C) (1)	P174-SB-17	11/20/2024 10:00	
P174-SB-17-Z02- 06	MBHNK2	Soil/		ICP-AES(35)	4674 (Wet ice < 6 C) (1)	P174-SB-17	11/20/2024 10:00	
P174-SB-17-Z06- 12	MBHNK3	Soil/		ICP-AES(35)	4675 (Wet ice < 6 C) (1)	P174-SB-17 11/20/2024 10	11/20/2024 10:00	
Sample(s) to be use MS/MSDs. Sample	ed for Lab QC: F MBHN68, MBI	P174-SB-17-Z12-18 HN72, MBHMZ9, MI	Tag 4676 - : BHN00, MBHI	Special Instructions: Sa N04 and MBHN38 has	Sample(s) to be used for Lab QC: P174-SB-17-Z12-18 Tag 4676 - Special Instructions: Samples MBHN39 and MBHNK4 are MS/MSDs. Samples MBHN68, MBHN72, MBHMZ9, MBHN00, MBHN04 and MBHN38 has limited sample mass.	Samples Transferred From Chain of Custody #	red From Chain of (
Analysis Key: ICP-/	AES=CLP Routin	Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals	SD SOP C-10	09 Metals				Sustody #
Items/Reason	Relinquished by	Relinquished by (Signature and Organization)	ganization)	Date/Time F	Received by (Signature and Organization)	Date/Fime		Sustody #
1 Cooler	X	No.	ALW	01:41 mjao121	Pers	-	Sample Condition Upon Receipt	n Upon Receipt
				IV/A		12/7/24	Sample Condition	piete? N om Chain of Custody # mple Condition Upon Receipt

Page 3 of 4

DateShipped: 12/6/2024 USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

68HERH20D0011

SDG # MBHN68 No: 2-120624-150717-0057 Lab: Alliance Technical Group LLC

Page 4 of 4

DateShipped: 12/6/2024 USEPA CLP COC (LAB COPY)

CarrierName: FedEx

Case #: 51879

SDG # MBHN68

68HERH20D0011

No: 2-120624-150717-0057

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed

CHAIN OF CUSTODY RECORD

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC	\cap			Page 1 of	1	
Received By (Pr	int Name)	0.10	lena			Log-in Date	e 12/7/20)24
Received By (Si	gnature)	-	- parica					
Case Number	51879	SDG	No. MBH	N68		MA No. N	/A	
			_		12	1		
Remarks:						Correspondi	na	
1. Custody Seal (s)	Present, Intact			Aqueous				Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MBHN68	N/A	5163		P5208-01	Intact
Custody Records		2	MBHN69	N/A	5164		P5208-02	Intact
4. Airbill		3	MBHN70	N/A	5165		P5208-03	Intact
4. Alfoni	Present	4	MBHN71	N/A	5166		P5208-04	Intact
5. Airbill No. and	770558661665	5	MBHN72	N/A	5167		P5208-05	Intact
Shipping Container ID No.	1	6	MBHN73	N/A	5168		P5208-06	Intact
		7	MBHN74	N/A	5169		P5208-07	Intact
 Shipping Container Temperature 	Present	8	MBHNK1	N/A	4673		P5208-08	Intact
Indicator Bottle		9	MBHNK2	N/A	4674		P5208-09	Intact
7. Shipping Container	1.8 Degree C	10	МВНИКЗ	N/A	4675		P5208-10	Intact
Temperature	1.0 203.000	11	MBHNK4	N/A	4676		P5208-11	Intact
8. Sample	Intact	12	MBHNK4D	N/A	4676		P5208-12	Intact
Condition		13	MBHNK4S	N/A	4676		P5208-13	Intact
		14	МВНNК5	N/A	4677		P5208-14	Intact
9. Sample Tags Sample Tag	Absent	15	MBHNK6	N/A	4678		P5208-15	Intact
Numbers	Listed on Traffic	16	MBHNK7	N/A	4679		P5208-16	Intact
	Report	17	MBHNK8	N/A	5590		P5208-17	Intact
10. Does information on Traffic	Yes	18	мвник9	N/A	5591		P5208-18	Intact
Reports/Chain of Custody Records		19	N/A	N/A	N/A		N/A	N/A
and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
 Date Received at Lab 	12/07/2024	22	N/A	N/A	N/A		N/A	N/A
		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:55							

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	12 9 29	Logbook Page No.	N/A

FORM DC-2 COMPLETE SDG FILE (CSF) INVENTORY SHEET

LAB NAME	Alliance Technic	cal Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51879	SDG NO.	мвни68
MA NO.		SOW NO.	SFAM01.1
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:	CH	IECK
	FROM	TO	LAB	REGION
1. SDG Cover Page	1	1	1	
2. Traffic Report/Chain of Custody Record(s)	2	3	✓	
3. Sample Log-In Sheet (DC-1)	4	4	✓	
4. CSF Inventory Sheet (DC-2)	5	7	✓	
5. SDG Narrative	8	10	~	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	11	12	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	13	28	✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	29	566	✓	
Other Data				
10. Standard and Reagent Preparation Logs	567	704	~	
11. Original Preparation and Cleanup forms or copies of Preparation and	705	706	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or	707	722	~	
Instrument Logbooks 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	NA	NA	_ ✓	
or sample analysis, laboratory QC as applicable 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	NA	NA	✓	
Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	 ✓	
Instructions				

23. Extraction Logs for TCLF and SPLP TO LAB REGION 24. Raw GPC Data NA NA NA NA NA 25. Raw Florisil Data NA NA NA V		PAGE N	10s:	CH	IECK
24. Raw GPC Data NA NA YA 25. Raw Florisil Data NA NA YA 26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA YA 27. Instrument raw data by instrument in analysis order NA NA YA YA 28. Standard and Reagent Preparation logs NA NA Y YA 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA Y 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA Y 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA Y 32. Extraction Logs for TCLP and SPLE NA NA Y 33. Raw GPC Data NA NA Y 34. Raw Florisil Data NA NA Y 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA Y 36. Instrument raw data by instrument in analysi		FROM	ТО	LAB	REGION
25. Raw Florisil Data NA NA NA Analysis Forms and Data (Mercury) 26. Sample analysis, laboratory QC as applicable NA NA ✓ 27. Instrument raw data by instrument in analysis order NA NA ✓ 27. Instrument raw data by instrument in analysis order NA NA ✓ 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 (FE)/Proficiency Testing (FT) Sample Instructions NA NA ✓ 32. Extraction Logs for TCLP and SPLP NA NA ✓ 33. Raw GPC Data NA NA ✓ 34. Raw Florisil Data NA ✓ ✓ 35. Sample Analysis, Laboratory QC as applicable NA NA ✓ 36. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks ✓ ✓ ✓ 37. Standard and Reagent Preparation Logs NA ✓ ✓ ✓	23. Extraction Logs for TCLP and SPLP	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 ✓ ✓ 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-TN) for each sample or sample analysis, laboratory QC as applicable NA NA ✓ 36. Instrument raw data by instrument in analysis order NA NA ✓ ✓ 36. Joriginal Preparation Logs NA NA ✓ ✓ 37. Standard and Reagent Preparat	24. Raw GPC Data	NA	NA	_ ✓	
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA	25. Raw Florisil Data	NA	NA	✓	
or sample analysis, laboratory QC as applicable NA NA NA NA NA V 27. Instrument raw data by instrument in analysis order NA NA NA V 28. Standard and Reagent Preparation Logs NA NA V V 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA V 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA V 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA V 32. Extraction Logs for TCLP and SPLP NA NA V NA NA V 33. Raw GPC Data NA NA V NA NA V 34. Raw Florisil Data NA NA V NA NA V 35. Sample Analysis Data Forms (IA-OR, IB-OR, and I-IN) for each sample or sample analysis, laboratory QC as applicable NA NA V NA V 36. Instrument raw data by instrument in analysis order NA NA V NA NA V 37. Standard and Reagent Preparation Logs NA	Analysis Forms and Data (Mercury)				
27. Instrument raw data by instrument in analysis order NA 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 ✓ 29. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA ✓ 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA ✓ 32. Extraction Logs for TCLP and SPLF 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 ✓ 37. Standard and Reagent Preparation Logs NA NA ✓ ✓ <tr< td=""><td></td><td>NA</td><td>NA</td><td>✓</td><td></td></tr<>		NA	NA	✓	
28. Standard and Reagent Preparation Logs NA NA NA 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA NA 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA NA NA 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA NA NA 33. Raw GPC Data NA NA NA NA NA NA NA 34. Raw Florisil Data NA NA <td></td> <td>NA</td> <td>NA</td> <td>✓</td> <td>·</td>		NA	NA	✓	·
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA<	Other Data				
Cleanup Logbooks NA NA NA 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA NA 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA NA 33. Raw GPC Data NA NA NA NA NA NA 34. Raw Florisil Data NA NA NA NA NA NA Analysis Forms and Data (Cyanide) Sample Analysis, laboratory QC as applicable NA NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA NA NA 37. Standard and Reagent Preparation Logs NA NA NA NA NA 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA NA NA 39. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA V NA NA 31. Extraction Logs for TCLP and SPLP NA NA V NA	28. Standard and Reagent Preparation Logs	NA	NA	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or NA NA<		NA	NA	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA 33. Raw GPC Data NA NA NA NA NA 34. Raw Florisil Data NA NA NA NA NA Analysis Forms and Data (Cyanide) Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA Other Data 33. Original Analysis or Instrument Run 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	30. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA		
32. Extraction Logs for TCLP and SPLP NA NA NA 33. Raw GPC Data NA NA NA NA 34. Raw Florisil Data NA NA NA NA Analysis Forms and Data (Cyanide) NA NA NA NA 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA NA Other Data 37. Standard and Reagent Preparation Logs NA NA NA ✓ 37. Standard and Reagent Preparation Logs NA NA V	31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	·
34. Raw Florisil Data NA 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 NA ✓ 36. Instrument raw data by instrument in analysis order NA NA ✓		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 36. Instrument raw data by instrument in analysis order NA NA Other Data 37. Standard and Reagent Preparation Logs NA 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA 41. Extraction Logs for TCLP and SPLP NA 42. Raw GPC Data NA	33. Raw GPC Data	NA	NA	✓	
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 ✓	34. Raw Florisil Data	NA	NA	✓	
or sample analysis, laboratory QC as applicable 36. Instrument raw data by instrument in analysis order NA NA V Other Data 37. Standard and Reagent Preparation Logs NA NA V 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions 41. Extraction Logs for TCLP and SPLP 42. Raw GPC Data NA NA V	Analysis Forms and Data (Cyanide)				
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 ✓		NA	NA	✓	
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 ✓		NA	NA	✓	
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 ✓	Other Data				
Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions 41. Extraction Logs for TCLP and SPLP 42. Raw GPC Data		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 ✓		NA	NA	✓	
40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ 1. Extraction Logs for TCLP and SPLP NA NA ✓ 42. Raw GPC Data NA NA ✓	39. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA		
41. Extraction Logs for TCLP and SPLP NA NA ✓ 42. Raw GPC Data NA NA ✓	40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
		NA	NA		
43. Raw Florisil Data NA NA 🖌	42. Raw GPC Data	NA	NA	✓	
	43. Raw Florisil Data	NA	NA	✓	

			PAGE	NOs:	CH	ECK
		E	ROM	TO	LAB	REGION
Additional 44. EPA Shi	pping/Receiving Documents					
Airbill	(No. of Shipments <u>1</u>)		723	723	✓	
Sample	Tags		NA	NA	✓	
Sample	Log-In Sheet (Lab)		724	725	✓	
45. Misc. S	hipping/Receiving Records(list all individual	records)	NA	NA	✓	
				·		
	l Lab Sample Transfer Records and Tracking She be or list)	ets	726	726	✓	
	ecords and related Communication Logs be or list)		NA	NA		
					•	
48. Comment	s:					
Completed B (CLP Lab)	Nir	nisha Pandya, Document C	ontrol	Officer		
Audited by (EPA)	-	Print Name & Title)			(Dat	ce)
	(Signature) (1	Print Name & Title)			(Dat	ce)



284 Sheffield Street Mountainside, NJ 07092

SDG NARRATIVE

USEPA SDG # MBHN68 CASE # 51879 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P5208

A. Number of Samples and Date of Receipt

16 Soil sample were delivered to the laboratory intact on 12/07/2024.

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: 1.8°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.



G. Calculation:

Calculation for ICP-AES Soil Sample:

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

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 MBHN68 For Arsenic:

If C = 0.0427157 ppm Vf = 100 ml W = 1.18 g S = 0.769(76.9/100) DF = 1 Concentration (mg/kg) = 0.0427157 x $\frac{100}{1.18 \text{ x } 0.769}$ x 1 = 4.70737 mg/kg = 4.7 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, Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Beryllium, Copper, 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: 12/13/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 15:25 In Date: 12/12/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:48 Out Date: 12/13/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLIDS-OVEN

QC:LB133918

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
P5208-01	MBHN68	1	1.16	8.51	9.67	7.7	76.9	
P5208-02	MBHN69	2	1.17	8.69	9.86	8.09	79.6	
P5208-03	MBHN70	3	1.17	8.65	9.82	8.62	86.1	
P5208-04	MBHN71	4	1.17	8.58	9.75	8.85	89.5	
P5208-05	MBHN72	5	1.18	8.45	9.63	8.96	92.1	
P5208-06	MBHN73	6	1.18	8.46	9.64	8.97	92.1	
P5208-07	MBHN74	7	1.17	8.60	9.77	9.17	93.0	
P5208-08	MBHNK1	8	1.18	8.64	9.82	7.86	77.3	
P5208-09	MBHNK2	9	1.18	8.44	9.62	8.04	81.3	
P5208-10	MBHNK3	10	1.18	8.44	9.62	8.35	85.0	
P5208-11	MBHNK4	11	1.16	8.39	9.55	8.54	88.0	
P5208-12	MBHNK4D	12	1.16	8.39	9.55	8.54	88.0	
P5208-13	MBHNK4S	13	1.16	8.39	9.55	8.54	88.0	
P5208-14	MBHNK5	14	1.19	8.54	9.73	8.89	90.2	
P5208-15	MBHNK6	15	1.17	8.66	9.83	9.09	91.5	
P5208-16	MBHNK7	16	1.19	8.61	9.8	9.26	93.7	
P5208-17	MBHNK8	17	1.19	8.44	9.63	8.46	86.1	
P5208-18	MBHNK9	18	1.18	8.70	9.88	8.75	87.0	

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

			WORKLIST(Hardcopy Internal Chain)	dcopy Internal Ch		3123918	So	
WorkList Name :	%1-P5208	WorkList ID :	D: 186285	Department :	Wet-Chemistry			10-10-01 ICUC 01-01
Sample	Customer Sample	Matrix	Test	Preservative	Customer	la	- E	Method
P5208-01	MBHN68					Location		
P5208-02	MBHN69	Solid	Percent Solids	Cool 4 deg C	USEP01	C42	11/22/2024	Chemtech _SO
P5208-03	MBHN70		Percent Solids	Cool 4 deg C	USEP01	C42	11/22/2024	Chemtech -SO
P5208-04	MBHN71	Solid Solid	Percent Solids	Cool 4 deg C	USEP01	C42	11/22/2024	Chemtech -SO
P5208-05	MBHN72	Solid Solid	Percent Solids	Cool 4 deg C	USEP01	C42	11/22/2024	Chemtech -SO
P5208-06	MBHN73			Cool 4 deg C	USEP01	C42	11/22/2024	Chemtech -SO
P5208-07	MBHN74			Cool 4 deg C	USEP01	C42	11/22/2024	Chemtech -SO
P5208-08	MBHNK1		Percent Solids	Cool 4 deg C	USEP01	C42	11/22/2024	Chamtooh co
DEDNO DO		Solid	Percent Solids	Cool 4 deg C	USEP01	C43		
R0-0070 -	MBHNK2	Solid	Percent Solids	Cool 4 dea C		740	11/20/2024	Chemtech -SO
P5208-10	MBHNK3	Solid	Percent Solids		USEPUT	C42	11/20/2024	Chemtech -SO
P5208-11	MBHNK4	Pilor		COOI 4 deg C	USEP01	C42	11/20/2024	Chemtech -SO
P5208-12	MBHNK4D		rercent Solids	Cool 4 deg C	USEP01	C42	11/20/2024	Chamtach co
P5208-13		Solid	Percent Solids	Cool 4 deg C	USEP01	C42	14/00/00/14	
DE200 14	WIDHINK4S	Solid	Percent Solids	Cool 4 deg C	USEP01	C45	11/20/2024	Chemtech -SO
r 3200-14	MBHNK5	Solid	Percent Solids	Cool 4 doc C		740	11/20/2024	Chemtech -SO
P5208-15	MBHNK6	Solid	Parrant Colido	o fan t moo	USEP01	C42	11/20/2024	Chemtech -SO
P5208-16	MBHNK7		Percent Colido	Cool 4 deg C	USEP01	C42	11/20/2024	Chemtech -SO
P5208-17	MBHNK8			Cool 4 deg C	USEP01	C42	11/20/2024	Chemtech -SO
P5208-18	MPLINICO		Percent Solids	Cool 4 deg C	USEP01	C42		
	EVNILION .	Solid	Percent Solids	Cool 4 deg C	USEP01	C42		Chomfach -50

Page 1 of 1 SY Date/Time 12r12r3H 1Hr50Raw Sample Received by: 766u00Raw Sample Relinquished by: Ch00

Date/Time しょうえっえり ちょう Sr. 3 C Raw Sample Received by: ひとしい Raw Sample Relinquished by: そしいり