Lab Name:	Alliance	Technical Group, LLC	Contract	: 68HERH20	D0011	
Lab Code:	ACE	Case No.: 51879	MA No.:			SDG No.: MBHHF2
SOW No. :	SFAM01.1					
EPA Sample	No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MBHHF2		P4914-01	Х			
MBHHF3		P4914-02	Х			
MBHHF4		P4914-03	Х			
MBHHF5		P4914-04	Х			
MBHHF6		P4914-05	Х			
MBHHF7		P4914-06	Х			
MBHHF8		P4914-07	Х			
MBHHF9		P4914-08	Х			
MBHHG0		P4914-09	Х			
MBHHG1		P4914-10	Х			
МВННК4		P4914-11	Х			
MBHHK4D		P4914-12	Х			
MBHHK4S		P4914-13	Х			
МВННК5		P4914-14	Х			
МВННК6		P4914-15	Х			
МВННК7		P4914-16	Х			
МВННК8		P4914-17	Х			
МВННК9		P4914-18	Х			
MBHHL0		P4914-19	Х			
MBHHL1		P4914-20	Х			
MBHHL2		P4914-21	Х			
MBHHL3		P4914-22	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:

1 Cooler Sample(s) to be used for Lab QC: P140-SB-08-Z00-02 Tag 1452 - Special Instructions: Additional sample volume provided for MBHHK4 is for MS/MSD. Sample MBHHM6 is a rinse blank. Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals P107-SB-11-Z30-P107-SB-11-Z24-30 P107-SB-11-Z18-24 P107-SB-11-Z12-P107-SB-11-Z06-12 P107-SB-11-Z02-P107-SB-11-Z00-02 P121-SB-17-Z06-12 P121-SB-17-Z02-P121-SB-17-Z00-02 Sample Identifier AirbillNo: 7700 4046 2156 CarrierName: FedEx DateShipped: 11/18/2024 USEPA CLP COC (LAB COPY) Items/Reason ဖ္ဖ 8 18 8 Relinquished by (Signature and Organization) Sample No. **MBHHG1 MBHHG0 MBHHF9** MBHHF7 **MBHHF8 MBHHF6** MBHHF5 **MBHHF4 MBHHF3** MBHHF2 С Г Р Matrix/Sampler Soil Soil/ Soil/ Soil/ Soil/ Soil/ Soil/ Soil/ Soil/ Soil/ WSP 11/18/24 Coll. Method Date/Time Analysis/Turnaround ICP-AES(35) CHAIN OF CUSTODY RECORD (Days) Case #: 51879 Cooler #: 3 Received by (Signature and Organization) Tag/Preservative/Bottles 1083 (Wet ice < 6 C) (1) 1082 (Wet ice < 6 C) (1) 1081 (Wet ice < 6 C) (1) 1079 (Wet ice < 6 C) (1) 1078 (Wet ice < 6 C) (1) 1080 (Wet ice < 6 C) (1) 1077 (Wet ice < 6 C) (1) 1254 (Wet ice < 6 C) (1) 1253 (Wet ice < 6 C) (1) 1252 (Wet ice < 6 C) (1) Samples Transferred From Chain of Custody # Shipment for Case Complete? N P107-SB-11 P107-SB-11 P107-SB-11 11-19-2 P107-SB-11 P107-SB-11 P107-SB-11 P107-SB-11 P121-SB-17 P121-SB-17 P121-SB-17 Location Date/Time 0957 11/15/2024 11:36 11/15/2024 11:36 11/15/2024 11:36 11/15/2024 11:36 11/15/2024 11:36 11/15/2024 14:46 11/15/2024 11:36 11/15/2024 11:36 11/15/2024 14:46 11/15/2024 14:46 Lab: Alliance Technical Group LLC 20,0 No: 2-111824-151033-0007 Sample Condition Upon Receipt worldy sub introt Lab Contact: Mohammad Ahmed Collection Date/Time 日ののうす TEMP OW. present Lab Phone: 908-789-8900 For Lab Use Only

Page 1 of 3

68HERH20D0011

SDG # MBHHF2

ousef	Temp du. preset		me Br	~				
s what	custody sub what		A	1				
	IN UN 14	H-19-24	E	05-20-02-31 11/18/12-4	ALON .	A.A.	X	1 Color
Upon Receipt	Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)		+	Relinquished by (Signature and Organization)	Relinquished by	Items/Reason
				9 Metals	SD SOP C-10	ie - SFAM01.1/LSA	ES=CLP Routin	Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals
ustody #	Samples Transferred From Chain of Custody #	amples Transferre		MBHHK4 is for MS/MSD. Sample MBHHM6 is a rinse blank.	lank.	IBHHM6 is a rinse b	MSD. Sample M	MBHHK4 is for MS/
	Complete? N	Shipment for Case Complete? N		becial Instructions: Additional	Tao 1452 - S	140-SB-08-Z00-02	d for Lab QC: P	Sample(s) to be use
	11/15/2024 14:10	P121-SB-15	1240 (Wet ice < 6 C) (1)	ICP-AES(35)		Soll	MBHHL3	121-38-15-206- 12
	11/15/2024 14:10	P121-SB-15	1239 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHL2	P121-SB-15-Z02- 06
,	11/15/2024 14:10	P121-SB-15	1238 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHL1	P121-SB-15-Z00- 02
	11/14/2024 11:40	P140-SB-08	1458 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHLO	P140-SB-08-Z30- 36
)e 	11/14/2024 11:40	P140-SB-08	1457 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHK9	P140-SB-08-Z24- 30
×	11/14/2024 11:40	P140-SB-08	1456 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHK8	P140-SB-08-Z18- 24
¢	11/14/2024 11:40	P140-SB-08	1455 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHK7	P140-SB-08-Z12- 18
4	11/14/2024 11:40	P140-SB-08	1454 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	МВННК6	P140-SB-08-Z06- 12
1997	11/14/2024 11:40	P140-SB-08	1453 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHK5	P140-SB-08-Z02- 06
e e	11/14/2024 11:40	P140-SB-08	1452 (Wet ice < 6 C) (2)	ICP-AES(35)		Soil/	МВННК4	P740-SB-08-200- 02
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier
<b>111824-151033-0007</b> ance Technical Group LLC ontact: Mohammad Ahmed Lab Phone: 908-789-8900	No: 2-111824-151033-0007 Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900		979 3 3	CHAIN OF CUSTODY RECORD Case #: 51879 Cooler #: 3			( <b>LAB COPY)</b> 8/2024 <sup>E</sup> x 6 2156	USEPA CLP COC (LAB COPY) DateShipped: 11/18/2024 CarrierName: FedEx AirbillNo: 7700 4046 2156

68HERH20D0011

SDG # MBHHF2

Page 2 of 3

## FORM DC-1

# SAMPLE LOG-IN SHEET

Lab Name : All	iance Technical Grou	p, LLC				Page_1_of	١	
Received By (P	rint Name) Go	ACE )	USUON			Log-in Date	e 11/19/2	2024
Received By (S	ignature)	07						
Case Number	51879	SDG	No. МВН	HF2		MA No. N	/A	
			1					
Remarks:						Correspondi	ng	
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	MBHHF2	N/A	1252		P4914-01	Intact
Custody Records		2	MBHHF3	N/A	1253		P4914-02	Intact
4. Airbill	Duranat	3	MBHHF4	N/A	1254		P4914-03	Intact
. Thiom	Present	4	MBHHF5	N/A	1077		P4914-04	Intact
5. Airbill No. and	770040462156	5	MBHHF6	N/A	1078		P4914-05	Intact
Shipping Container ID No.	1	6	MBHHF7	N/A	1079		P4914-06	Intact
6. Shipping Container		- 7	MBHHF8	N/A	1080		P4914-07	Intact
Temperature	Present	8	MBHHF9	N/A	1081		P4914-08	Intact
Indicator Bottle		9	мвнндо	N/A	1082		P4914-09	Intact
7. Shipping Container	2.0 Degree C	10	MBHHG1	N/A	1083		P4914-10	Intact
Temperature	<u>====</u>	11	мвннк4	N/A	1452		P4914-11	Intact
8. Sample	Intact	12	МВННК4D	N/A	1452		P4914-12	Intact
Condition		13	MBHHK4S	N/A	1452		P4914-13	Intact
		14	МВННК5	N/A	1453		P4914-14	Intact
9. Sample Tags Sample Tag	Absent	15	мвннк6	N/A	1454		P4914-15	Intact
Numbers	Listed on Traffic	16	МВННК7	N/A	1455		P4914-16	Intact
	Report .	17	МВННК8	N/A	1456		P4914-17	Intact
<ol> <li>Does information on Traffic</li> </ol>	Yes	18	мвннкэ	N/A	1457		P4914-18	Intact
Reports/Chain of Custody Records		19	MBHHLO	N/A	1458		P4914-19	Intact
and Sample Tags		20	MBHHL1	N/A	1238		P4914-20	Intact
agree ?		21	MBHHL2	N/A	1239		P4914-21	Intact
<ol> <li>Date Received at Lab</li> </ol>	11/19/2024	22	MBHHL3		1240		P4914-22	Intact
2.Time Received	09:57	23	N/A	N/A I	N/A		N/A	N/A

# \* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A	
Date	11/19/24	Logbook Page No.	N/A	

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

LAB NAME	Alliance Tech	nical Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51879	SDG NO.	MBHHF2
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)

	<u>PAGE</u> FROM	NOs: TO	CH LAB	REGION
1. SDG Cover Page	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	9	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	10	12	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	13	32		
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	33	1029	✓	
Other Data				
10. Standard and Reagent Preparation Logs	1030	1208	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and	1209	1210	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1211	1239	✓	
<ol> <li>Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions</li> </ol>	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	1	
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 Instructions	NA	NA	✓	

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	TO	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         36. Instrument raw data by instrument in analysis order       NA       NA       V       NA       V         37. Standard and Reagent Preparation Logs       NA       NA       V       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       NA       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       NA         36. Instrument raw data by instrument in analysis order       NA       NA       ✓       MA       MA       ✓         37. Standard and Reagent Preparation Logs       Sa       NA       NA       ✓       ✓       MA       MA       ✓         39. Original Analysis or Instrument Run forms or copies of Preparation and Cleanup Logbooks       NA       NA		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 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	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	IECK
			FROM	TO	LAB	REGION
Additional 44. EPA Shij	pping/Receiving Documents					
Airbill	(No. of Shipments <u>1</u> )		1240	1240	✓	
Sample	Tags		NA	NA	✓	
Sample	Log-In Sheet (Lab)		1241	1242	✓	
45. Misc. S	hipping/Receiving Records(list all individu	al records)	NA	NA	_ ✓	
	l Lab Sample Transfer Records and Tracking be or list)	Sheets	1243	1244		
	ecords and related Communication Logs be or list)		NA	NA		
48. Comment	s:					
Completed k (CLP Lab)	ру:	Nimisha Pandya, Docur	nent Control	. Officer		
Audited by: (EPA)	(Signature)	(Print Name & Title	)		(Da	te)
	(Signature)	(Print Name & Title	)		(Da	te)



# 284 Sheffield Street Mountainside, NJ 07092

#### **SDG NARRATIVE**

USEPA SDG # MBHHF2 CASE # 51879 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4914

#### A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 11/19/2024.

#### **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: 2.0°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):

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 MBHHF2 For Antimony:

If C = 0.0291407 ppm Vf = 100 ml W = 1.27g S = 0.847 (847/100) DF = 1 Concentration (mg/kg) = 0.0291407 x  $\frac{100}{1.27 \text{ x } 0.847}$  x 1 = 2.7090 mg/kg = 2.7 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 Copper. 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: 11/20/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 14:50 In Date: 11/19/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius (°C): 103 Time OUT: 08:10 Out Date: 11/20/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

**QC:**LB133512

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
P4914-01	MBHHF2	1	1.18	8.45	9.63	8.34	84.7	
P4914-02	МВННF3	2	1.12	8.55	9.67	8.73	89.0	
P4914-03	MBHHF4	3	1.16	8.43	9.59	8.73	89.8	
P4914-04	МВННҒ5	4	1.18	8.51	9.69	7.22	71.0	
P4914-05	МВННF6	5	1.15	8.81	9.96	8.43	82.6	
P4914-06	МВННF7	6	1.18	8.57	9.75	8.18	81.7	
P4914-07	МВННF8	7	1.16	8.63	9.79	8.13	80.8	
P4914-08	МВННF9	8	1.16	8.53	9.69	8.34	84.2	
P4914-09	MBHHG0	9	1.15	8.79	9.94	8.26	80.9	
P4914-10	MBHHG1	10	1.15	8.83	9.98	8.08	78.5	
P4914-11	МВННК4	11	1.17	8.61	9.78	6.96	67.2	
P4914-12	МВННК4D	12	1.17	8.61	9.78	6.96	67.2	
P4914-13	MBHHK4S	13	1.17	8.61	9.78	6.96	67.2	
P4914-14	МВННК5	14	1.13	8.84	9.97	7.54	72.5	
P4914-15	МВННК6	15	1.18	8.64	9.82	7.64	74.8	
P4914-16	МВННК7	16	1.15	8.40	9.55	7.47	75.2	
P4914-17	МВННК8	17	1.18	8.70	9.88	7.49	72.5	
P4914-18	МВННК9	18	1.16	8.42	9.58	7.43	74.5	
P4914-19	MBHHL0	19	1.15	8.40	9.55	7.71	78.1	
P4914-20	MBHHL1	20	1.15	8.83	9.98	7.73	74.5	
P4914-21	MBHHL2	21	1.19	8.66	9.85	7.77	76.0	
P4914-22	MBHHL3	22	1.18	8.38	9.56	8.22	84.0	

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

			<b>WORKLIST(Ha</b>	WORKLIST(Hardcopy Internal Chain)	(u	~13561 (N)	13512	
WorkList Name :	%1-p4914	WorkList ID :	ID: 185581	Department: W	Wet-Chemistry	7	Date - 11 10 or	
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Įdr		oct Date Method
P4914-01	MBULL					Location		
P4914_02		Solid	Percent Solids	Cool 4 deg C	USEP01	ž		
	WBHHF3	Solid	Percent Solids	Cool A dea C	5		11/15/2024	Chemtech -SO
P4914-03	MBHHF4	Solid	Percent Solids	0 6an + 1000	USEP01	C11	11/15/2024	Chemtech -SO
P4914-04	MBHHF5	Solid	Percent Solido	COOI 4 deg C	USEP01	C11	11/15/2024	Chemtech -SO
P4914-05	MBHHF6	Solid	Spino more	Cool 4 deg C	USEP01	C11	11/15/2024	Chemtach _SO
P4914-06	MBHHF7		Percent Solids	Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech _co
P4914-07	MBHHF8	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech -SO
P4914-08	MBHHF9			Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech SO
P4914-09	MBHHG0	Pilos	Percent Solids	Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech -SO
P4914-10	MBHHG1	Colice Colice		Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech _SO
P4914-11	MBHHK4			Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech CO
P4914-12	MBHHK4D		rercent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chamtach co
P4914-13	MBHHK4S		Percent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chamtach co
P4914-14	MBHHK5	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-15	MBHHK6	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-16	MBHHK7	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-17	MBHHK8	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-18	МВННК9	Solid	Percent Solide	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-19	MBHHL0	Solid	Percent Colida	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-20	MBHHL1	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/14/2024	Chemtech -SO
P4914-21	MBHHL2	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/15/2024	Chemtech -SO
Date/Time	24 14:00				USEP01	C11	11/15/2024 (	Chemtech -SO
Raw Sample Received by:	17	I			Date/Time	46.01.11	15	1.00
Raw Sample Relinquished by:	shed by: DP 8~	K			Raw Sample Received by:	ceived by:	5 90	
		ĺ	Page 1 of 2	of 2	Raw Sample Relinquished by:	linquished by:	5	8 cuor

A 133512	<b>Date :</b> 11-19-2024 12:42:49	Raw Sample Storage Collect Date Method
hain)	Department : Wet-Chemistry	Customer
WORKLIST(Hardcopy Internal Chain)	Department :	Preservative
WORKLIST(	WorkList ID: 185581	Matrix Test
	%1-p4914	Customer Sample
	WorkList Name: %1-p4914	Sample

	11/15/2024 Chemtech -SO
Location	C11
	USEP01
	C001 4 deg C
Percent Solids	
Solid	
WBHHL3	
P4914-22	

14,00 Jon Br Raw Sample Relinquished by: Raw Sample Received by: Date/Time )1-19-24

151,00 Raw Sample Relinquished by: Date/Time 11-19-24 Raw Sample Received by:

No

Page 2 of 2