		SDG COVER PA	GE		
Lab Name: Alliance	e Technical Group, LLC	Contract	: 68HERH201	D0011	
Lab Code: ACE	Case No.: 51879	MA No.:			SDG No.: MBHHG2
SOW No. : SFAM01.1					
EPA Sample No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MBHHG2	P4913-01	X			
MBHHG3	P4913-02	X			
MBHHG4	P4913-03	X			
MBHHG5	P4913-04	X			
MBHHG6	P4913-05	X			
MBHHG7	P4913-06	X			
MBHHG8	P4913-07	X			
MBHHG9	P4913-08	X			
мвннн0	P4913-09	X			
МВННН1	P4913-10	X			
МВННН2	P4913-11	X			
МВНННЗ	P4913-12	X			
МВННН4	P4913-13	X			
МВННН5	P4913-14	X			
МВННН6	P4913-15	X			
МВННН6D	P4913-16	X			
МВННН6S	P4913-17	X			
МВННН7	P4913-18	X			
МВННН8	P4913-19	Х			
мвннн9	P4913-20	X			<u> </u>
мвннј0	P4913-21	X			_

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:	

The grant and sents in the f	0.	M		111				
Ŧ	Temp Cir		N.	Alt				
		0957	2	14:35	1502	200		1 Cooler
Sample Condition Upon Receipt	Sample Conc	Date/Time	Received by (Signature and Organization)	Date/Time Received	janization)	Relinquished by (Signature and Organization)	elinquished by	Items/Reason R
				9 Metais	SD SOP C-10	1e - SFAM01.1/LSA	S=CLP Routin	Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals
of Custody #	Complete? N ed From Chain	Shipment for Case Complete? N Samples Transferred From Chain of Custody #		is for MS/MSD.	d for MBHHH6	ple volume provide:	Additional sam	Special Instructions: Additional sample volume provided for MBHHH6 is for MS/MSD.
15	11/15/2024 14:15	P121-SB-13	1226 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHH1	P121-SB-13-Z06- 12
15	11/15/2024 14:15	P121-SB-13	1225 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHHO	P121-SB-13-Z02- 06
, ,	11/15/2024 14:15	P121-SB-13	1224 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG9	P121-SB-13-Z00- 02
45 ,	11/15/2024 11:45	P107-SB-13	1097 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG8	P107-SB-13-Z30- 36
45	11/15/2024 11:45	P107-SB-13	1096 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG7	P107-SB-13-Z24- 30
45	11/15/2024 11:45	P107-SB-13	1095 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG6	P107-SB-13-Z18- 24
45	11/15/2024 11:45	P107-SB-13	1094 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG5	P107-SB-13-Z12- 18
.45	11/15/2024 11:45	P107-SB-13	1093 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG4	P107-SB-13-Z06- 12
45	11/15/2024 11:45	P107-SB-13	1092 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG3	P107-SB-13-Z02- 06
-45	11/15/2024 11:45	P107-SB-13	1091 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHHG2	P107-SB-13-Z00- 02
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier
No: 2-111824-131353-0006 Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	No: 2-1118 Lab: Alliance 1 Lab Contact: Lab P		179 2	CHAIN OF CUSTODY RECORD Case #: 51879 Cooler #: 2			( <b>LAB COPY)</b> 3/2024 × \$ 1870	USEPA CLP COC (LAB COPY) DateShipped: 11/18/2024 CarrierName: FedEx AirbillNo: 7700 4046 1870

Page 1 of 2

68HERH20D0011

SDG # MBHHG2

						1 12 - C	
	15/24		de-sp				
·INIACT	Temp BIK-pussed		R	NA			
	The constant	+2-61-11	Ł	14:35	C. Lan	A N	1 Cooler
Upon Recei	Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	$\square$	Relinquished by (Signature and Organization)	linquished by (Sign	Items/Reason Ru
				9 Metals	Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals	S=CLP Routine - SF	Analysis Key: ICP-AE
ustody #	ed From Chain of C	Samples Transferred From Chain of Custody #		Sample(s) to be used for Lab QC: P121-SB-14-Z00-02 Tag 1231 - Special Instructions: Additional sample volume provided for MBHHH6 is for MS/MSD.	B-14-Z00-02 Tag 1231 - \$	for Lab QC: P121-S SD.	Sample(s) to be used MBHHH6 is for MS/M
	Complete? N	Shipment for Case Complete? N					
			2 (2/2) 250	ç			
		AVA		M			
	11/15/2024 14:50	P121-SB-14	1235 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	MBHHJO	P121-SB-14-Z18- 24
•	11/15/2024 14:50	P121-SB-14	1234 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	МВННН9	P121-SB-14-Z12- 18
	11/15/2024 14:50	P121-SB-14	1233 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	МВННН8	P121-SB-14-Z06- 12
	11/15/2024 14:50	P121-SB-14	1232 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	МВННН7	P121-SB-14-Z02- 06
P	11/15/2024 14:50	P121-SB-14	1231 (Wet ice < 6 C) (2)	ICP-AES(35)	Soil/	МВННН6	P121-SB-14-Z00- 02
,	11/15/2024 14:15	P121-SB-13	1230 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	МВННН5	P121-SB-13-Z30- 36
	11/15/2024 14:15	P121-SB-13	1229 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	MBHHH4	P121-SB-13-Z24- 30
	11/15/2024 14:15	P121-SB-13	1228 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	мвнннз	P121-SB-13-Z18- 24
-	11/15/2024 14:15	P121-SB-13	1227 (Wet ice < 6 C) (1)	ICP-AES(35)	Soil/	MBHHH2	P121-SB-13-Z12- 18

CHAIN OF CUSTODY RECORD 68HERH20D0011

SDG # MBHHG2

No: 2-111824-131353-0006

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

Page 2 of 2

DateShipped: 11/18/2024 USEPA CLP COC (LAB COPY)

AirbiiINo: 7700 4046 1870 CarrierName: FedEx

Sample Identifier

Sample No. CLP

Matrix/Sampler

Coll. Method

Analysis/Turnaround (Days)

**Tag/Preservative/Bottles** 

Location

Collection Date/Time

For Lab Use Only

Case #: 51879 Cooler #: 2

#### FORM DC-1

#### SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC				Page_1_of_	1	
Received By (Pr	rint Name) Goo	SE	NESUON			Log-in Date	e 11/19/2	2024
Received By (Si			A					
Case Number	51879	SDG	No. МВН	HG2		MA No. N	/A	
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	•	Assigned	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present		MBHHG2	N/A	1091		P4913-01	Intact
Custody Records		2	МВННG3	N/A	1092		P4913-01	Intact
			MBHHG4	N/A	1093		P4913-02	Intact
4. Airbill	Present	4	МВННG5	N/A	1094		P4913-04	Intact
5. Airbill No. and	770040461870	5	МВННG6	N/A	1095		P4913-05	Intact
Shipping Container		6	MBHHG7	N/A	1096		P4913-06	Intact
ID No.	1	7	MBHHG8	N/A	1097		P4913-07	Intact
<ol> <li>Shipping Container Temperature</li> </ol>	Present	8	MBHHG9	N/A	1224		P4913-08	Intact
Indicator Bottle		9	мвннно	N/A	1225		P4913-09	Intact
7 Objector Chart		10	МВННН1	N/A	1226		P4913-10	Intact
7. Shipping Container Temperature	1.9 Degree C	11	МВННН2	N/A	1227		P4913-11	Intact
8. Sample	Intact	12	мвнннз	N/A	1228		P4913-12	Intact
Condition		13	МВННН4	N/A	1229		P4913-13	Intact
		14	мвннн5	N/A	1230		P4913-14	Intact
9. Sample Tags	Absent	15	мвннн6	N/A	1231		P4913-15	Intact
Sample Tag Numbers	Listed on Traffic	16	МВННН6D	N/A	1231		P4913-16	Intact
	Report	17	MBHHH65	N/A	1231		P4913-17	Intact
<ol> <li>Does information on Traffic</li> </ol>	Yes	18	МВННН7	N/A	1232		P4913-18	Intact
Reports/Chain of		19	мвнння	N/A	1233		P4913-19	Intact
Custody Records and Sample Tags		20	мвнннэ	N/A	1234		P4913-20	Intact
agree ?		21	мвннјо	N/A	1235		P4913-21	Intact
11. Date Received at	11/19/2024	22	N/A	N/A	N/A		N/A	N/A
Lab		23	N/A	N/A I	N/A		N/A	N/A
12.Time Received	09:57							

## \* Contact SMO and attach record of resolution

Reviewed By	12	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 Technic	al Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51879	SDG NO.	мвннд2
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:	CF	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	9	✓	
6. Communication Logs	NA	NA	~	
7. Percent Solids Log	10	11	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	12	30	✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	31	313	✓	
Other Data				
10. Standard and Reagent Preparation Logs	314	463	1	
11. Original Preparation and Cleanup forms or copies of Preparation and	464	465	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	466	472	✓	
<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	✓	
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	1	
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 <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 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	✓	

		PA	PAGE NOs:		IECK
		FROM	и то	LAB	REGION
Additional 44. EPA Shipp	ing/Receiving Documents				
Airbill (1	No. of Shipments <u>1</u> )	473	3 473	✓	
Sample Ta	gs	NZ	A NA	✓	
Sample Lo	g-In Sheet (Lab)	474	475	✓	
45. Misc. Ship	pping/Receiving Records(list all individual records	5)NZ	A NA	_ ✓	
46. Internal (describe	Lab Sample Transfer Records and Tracking Sheets or list)	476	5 476		
47. Other Rec (describe	ords and related Communication Logs or list)				
48. Comments:					
Completed by: (CLP Lab)	Nimisha P	andya, Document Cont	rol Office		
Audited by: (EPA)		ame & Title) ame & Title)		(Da	-



## 284 Sheffield Street Mountainside, NJ 07092

#### **SDG NARRATIVE**

USEPA SDG # MBHHG2 CASE # 51879 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4913

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

19 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: 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):

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 MBHHG2 For Antimony:**

If C = 0.0091395 ppm Vf = 100 ml W = 1.26 g S = 0.689(68.9/100) DF = 1 Concentration (mg/kg) = 0.0091395 x  $\frac{100}{1.26 \text{ x } 0.689}$  x 1 = 1.052767 mg/kg = 1.1 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. 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: 13:50 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: 08:00 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:**LB133511

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
P4913-01	MBHHG2	1	1.15	8.68	9.83	7.13	68.9	
P4913-02	МВННG3	2	1.15	8.81	9.96	8.39	82.2	
P4913-03	MBHHG4	3	1.11	8.76	9.87	8.48	84.1	
P4913-04	МВННG5	4	1.19	8.58	9.77	8.59	86.2	
P4913-05	MBHHG6	5	1.19	8.52	9.71	8.39	84.5	
P4913-06	MBHHG7	6	1.16	8.51	9.67	8.54	86.7	
P4913-07	MBHHG8	7	1.16	8.77	9.93	8.99	89.3	
P4913-08	МВННG9	8	1.15	8.81	9.96	7.44	71.4	
P4913-09	МВНННО	9	1.17	8.55	9.72	7.7	76.4	
P4913-10	МВННН1	10	1.19	8.63	9.82	8.43	83.9	
P4913-11	МВННН2	11	1.16	8.48	9.64	8.28	84.0	
P4913-12	МВНННЗ	12	1.17	8.54	9.71	8.36	84.2	
P4913-13	МВННН4	13	1.16	8.81	9.97	8.98	88.8	
P4913-14	МВННН5	14	1.15	8.72	9.87	8.78	87.5	
P4913-15	МВННН6	15	1.16	8.80	9.96	8.05	78.3	
P4913-16	МВННН6D	16	1.16	8.80	9.96	8.05	78.3	
P4913-17	МВННН6S	17	1.16	8.80	9.96	8.05	78.3	
P4913-18	МВННН7	18	1.13	8.68	9.81	8.82	88.6	
P4913-19	МВННН8	19	1.15	8.50	9.65	8.94	91.6	
P4913-20	МВННН9	20	1.15	8.83	9.98	9.08	89.8	
P4913-21	МВННЈО	21	1.17	8.58	9.75	8.76	88.5	

* colid _ (C-A) * 100	
\$ Solid = $(B-A)$	

			WORKLIST(Han	WORKLIST(Hardcopy Internal Chain)	(uit	(13667 W)	(126)	
WorkList Name :	%1-p4913	WorkList ID :	ID: 185580	Department :	Wet-Chemistry		Date - 11_10.00	11-10 2021 42-10-20
Sample	Customer Sample	Matrix	Test	Preservative	Customer	jd		Method
P4913-01	MBHHG2					Location		
P4913-02	MBHHC2	Solid	Percent Solids	Cool 4 deg C	USEP01	C12	11/15/0004	
DA012 02	0	Solid	Percent Solids	Cool 4 deg C	(ISEPO1		11/1 / 12/12/12	Chemtech -SO
20-0-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1-0-1	MBHHG4	Solid	Percent Solids	Cool 4 ded C		CIZ	11/15/2024	Chemtech -SO
P4913-04	MBHHG5	Solid	Percent Solids		USEPUT	C12	11/15/2024	Chemtech -SO
P4913-05	MBHHG6	Solid	Parcant Solido		USEP01	C12	11/15/2024	Chemtech -SO
P4913-06	MBHHG7	Solid	Percent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-07	MBHHG8	Solid	Percent Colida	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-08	MBHHG9	Solid		Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-09	МВНННО	Solid	Percent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-10	MBHHH1	Solid		Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-11	MBHHH2			Cool 4 deg C	USEP01	C12	11/15/2024	Chemtach _c.
P4913-12	MBHHH3	Colia	recent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech_SO
P4913-13	MBHHH4		rercent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech _ SO
P4913-14	MBHHH5		Percent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtooh 00
P4913-15	MBHHH6	Solid	Percent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech _SO
P4913-16	МВННН6D	Solid	Percent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-17	MBHHH6S	Solid	Parcent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-18	MBHHH7	Solid	Parcent Solido	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-19	MBHHH8	Solid	Percent Colids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-20	МВННН9	Solid	Percent Solids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
P4913-21	MBHHJO	Solid	Demont Colids	Cool 4 deg C	USEP01	C12	11/15/2024	Chemtech -SO
Date/Time 11-1 11 1		2000		Cool 4 deg C	USEP01	C12	1	Chemtech -SO
Raw Sample Received by:	d by: <i>A</i> A ( OC )	1			Date/Time	42-101-11	7(	(1)(1)(1)
Raw Sample Relinquished by:	1	1			Raw Sample Received by:	Received by:	200	
			Page 1 of 1	f 1	Raw Sample F	Raw Sample Relinquished by:	AM CC	2