SDG COVER PAGE

Lab Name:	Alliance	Technical Group, LLC	Contract	: 68HERH20D	0011	
Lab Code:	ACE	Case No.: 51879	MA No.:			SDG No.: MBHN53
SOW No. :	SFAM01.1					
EPA Sample	e No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MBHN53		P5206-01	X			
MBHN82		P5206-02	X			
MBHN82D		P5206-03	X			
MBHN82S		P5206-04	X			
MBHN83		P5206-05	X			
MBHN84		P5206-06	X			
MBHN85		P5206-07	X			
MBHN86		P5206-08	X			
MBHN87		P5206-09	X			
MBHN88		P5206-10	X			
MBHNA1		P5206-11	X			
MBHNA2		P5206-12	X			
MBHNA3		P5206-13	X			
MBHNA4		P5206-14	X			
MBHNA5		P5206-15	X			
MBHNA6		P5206-16	X			
MBHNA7		P5206-17	X			
MBHNJ9		P5206-18	X			
MBHNK0		P5206-19	X			
contract, b in the SDG of the data submitted h	ooth techni Narrative. A contained has been au	data package is in concept, and for complete. All edits and manual in this hardcopy Conthorized by the Laborature.	eteness, for oth al integrations omplete SDG File	ner than the have been p e and in the	e condition peer-review e electroni	s detailed red. Release c data
Signature:			Name	:		
Date:			Titl	e:		

68HERH20D0011

SDG # MBHN53

USEPA CLP COC (LAB COPY)

DateShipped: 12/6/2024 CarrierName: FedEx AirbillNo: 7705 5866 0393

CHAIN OF CUSTODY RECORD

Case #: 51879 Cooler #: 3

No: 2-120624-122520-0056

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

Sample identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P178-SB-08-Z30- 36	MBHN53	Soil/		ICP-AES(35)	5162 (Wet ice < 6 C) (†)	P178-SB-08	11/21/2024 13:55	
P171-SB-13-Z00- 02	MBHN82	Soil/		ICP-AES(35)	4311 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	•
P171-SB-13-Z02- 06	MBHN83	Soil/		ICP-AES(35)	4312 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	
P171-SB-13-Z06-	MBHN84	Soil/		ICP-AES(35)	4313 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	
P171-SB-13-Z12- 18	MBHN85	Soil/		ICP-AES(35)	4314 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	
P171-SB-13-Z18- 24	MBHN86	Soil/		iCP-AES(35)	4315 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	
P171-SB-13-Z24- 30	MBHN87	Soil/		ICP-AES(35)	4316 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	
P171-SB-13-Z30- 36	MBHN88	Soil/		ICP-AES(35)	4317 (Wet ice < 6 C) (1)	P171-SB-13	11/20/2024 13:40	
P171-SB-12-Z00- 02	MBHNA1	Soil/		ICP-AES(35)	4274 (Wet ice < 6 C) (1)	P171-SB-12	11/20/2024 13:35	
P171-SB-12-Z02- 06	MBHNA2	Soil/		ICP-AES(35)	4275 (Wet ice < 6 C) (1)	P171-SB-12	11/20/2024 13:35	

Sample(s) to be used for Lab QC: P171-SB-13-Z00-02 Tag 4311 - Special Instructions: Samples MBHN51 and MBHN82 are MS/MSDs. Samples MBHN21, MBHN26, MBHN42, MBHN43, MBHN44, MBHN45, MBHN84, MBHN85, MBHN86, MBHN87 and MBHN88 have limited sample mass.

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

			1 Cooker	Items/Reason
			Som years	Relinquished by (Signature and Organization)
			1205	Date/Time
4	(1)00/11	A Classical Control of the Control o	Deen	Received by (Signature and Organization)
		9:57	12/7/24	Date/Time
	anthu Sed In	Temp black from	1.5' TRam H	Date/Time Sample Condition Upon Receipt

DateShipped: 12/6/2024

AirbilNo: 7705 5866 0393 CarrierName: FedEx USEPA CLP COC (LAB COPY)

68HERH20D0011

SDG # MBHN53

No: 2-120624-122520-0056

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

CHAIN OF CUSTODY RECORD

Case #: 51879 Cooler #: 3

Special Instructions: Samples MBHN51 and MBHN82 are MS/MSDs. Samples MBHN21, MBHN26, MBHN42, MBHN43, MBHN44, MBHN84, MBHN85, MBHN86, MBHN87 and MBHN88 have limited sample mass.

Samples Transferred From Chain of Custody # Shipment for Case Complete? N

Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals

		J2190121			
Cust our	1				
4-55 TRy dum	4:17				•
12/7/24 1.5 IRand	12/7/24	len	1705	15m msr	1 Code
Date/Time Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	Date/Time	Items/Reason Relinquished by (Signature and Organization)	Items/Reason

FORM DC-1 SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group		Page_1_of_1
Received By (Print Name)	na Reña	Log-in Date 12/7/2024
Received By (Signature)		•
Case Number 51879	SDG No. MBHN53	MA No. N/A

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	770558660393 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	1.5 Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	12/07/2024
12.Time Received	09:55

					1
		1	Correspond	ding	
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigned	Remarks: Condition of Sample Shipment, etc.
1	мвни53	N/A	5162	P5206-01	Intact
2	MBHN82	N/A	4311	P5206-02	Intact
3	MBHN82D	N/A	4311	P5206-03	Intact
4	MBHN82S	N/A	4311	P5206-04	Intact
5	мвни83	N/A	4312	P5206-05	Intact
6	MBHN84	N/A	4313	P5206-06	Intact
7	MBHN85	N/A	4314	P5206-07	Intact
8	MBHN86	N/A	4315	P5206-08	Intact
9	MBHN87	N/A	4316	P5206-09	Intact
10	MBHN88	N/A	4317	P5206-10	Intact
11	MBHNA1	N/A	4274	P5206-11	Intact
12	MBHNA2	N/A	4275	P5206-12	Intact
13	мвниаз	N/A	4276	P5206-13	Intact
14	MBHNA4	N/A	4277	P5206-14	Intact
15	MBHNA5	N/A	4278	P5206-15	Intact
16	MBHNA6	N/A	4279	P5206-16	Intact
17	MBHNA7	N/A	4310	P5206-17	Intact
18	мвниј9	N/A	5588	P5206-18	Intact
19	мвнико	N/A	5589	P5206-19	Intact
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A I	N/A	N/A	N/A
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	12/9/24	Logbook Page No.	N/A

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

LAB NAME	Alliance Tec	hnical Group, LLC		
LAB CODE	ACE			
CONTRACT NO.	68HERH20D0011			
CASE NO.	51879	SDG NO.	мвни53	
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)

1. \$DG Cover Page		PAGE 1	NOs:	СН	ECK
2. Traffic Report/Chain of Custody Record(s) 3. Sample Log-In Sheet (DC-1) 4. CSF Inventory Sheet (DC-2) 5. SDG Narrative 6. Communication Logs 7. Percent Solids Log Analysis Forms and Data (ICP-AES) 8. Sample Analysis Data Forms (IA-OR, 1B-OR, and I-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 10. Standard and Reagent Preparation Logs 11. Original Preparation and Cleanup forms or copies of Analysis or Instrument Logbooks (IA-OR, 1B-OR, DATA) 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks (IA-OR) (IB-OR, DATA) 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample (IA-OR) (IB-OR, DATA) 14. Extraction Logs for TCLP and SFLP (IA-OR, IB-OR, and I-IN) for each sample (IA-OR) (IB-OR, DATA) 15. Raw GPC Data (ICP-MS) 17. Sample Analysis Data Forms (IA-OR, IB-OR, and I-IN) for each sample (IA-OR) (IB-OR, DATA) 18. Instrument Logbooks (IA-OR, IB-OR, and I-IN) for each sample (IA-OR) (IB-OR, DATA) 19. Standard and Reagent Preparation Logs (IA-OR, IB-OR, and I-IN) for each sample (IA-OR) (IB-OR, DATA) 19. Standard and Reagent Preparation Logs (IA-OR, IB-OR, and I-IN) for each sample (IA-OR) (IB-OR, IB-OR, DATA) 19. Standard and Reagent Preparation Logs (IA-OR, IB-OR, DATA) 20. Original Preparation and Cleanup forms or copies of Preparation and (IA-OR) (IB-OR, DATA) 21. Original Preparation and Cleanup forms or copies of Preparation and (IA-OR) (IB-OR) (IB		FROM	TO	LAB	REGION
2. Traffic Report/Chain of Custody Record(s) 3. Sample Log-In Sheet (DC-1) 4. CSF Inventory Sheet (DC-2) 5. SDG Narrative 6. Communication Logs 7. Percent Solids Log Analysis Forms and Data (ICP-AES) 8. Sample Analysis Data Forms (IA-OR, IB-OR, and I-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 10. Standard and Reagent Preparation Logs 11. Original Preparation and Cleanup forms or copies of Analysis or Tos					
3. Sample Log-In Sheet (DC-1) 4. CSF Inventory Sheet (DC-2) 5. SDG Narrative 6. Communication Logs NA NA NA V 7. Percent Solids Log 8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory CC as applicable 9. Instrument raw data by instrument in analysis order 7. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 10. Original Preparation (PE)/Proficiency Testing (PT) Sample 11. Extractions 12. Raw GC Data 13. NA NA V 14. Raw Florisil Data 15. Raw GC Data 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory CC as applicable 18. Instrument Logbooks 19. Standard and Reagent Preparation Logs 19. Standard and Reagent Preparation Logs 10. Original Preparation and Cleanup forms or copies of Analysis or 10. NA NA V 10. Original Preparation and Cleanup forms or copies of Analysis or 10. NA NA V 10. Original Preparation Proficiency Testing (FT) Sample NA NA V 10. Raw Florisil Data 10. Standard and Reagent Preparation Read 1-IN) for each sample NA NA V 16. Raw Florisil Data 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample NA NA V 18. Instrument raw data by instrument in analysis order 19. Standard and Reagent Preparation Logs 10. Original Preparation and Cleanup forms or copies of Preparation and NA NA V 19. Original Preparation and Cleanup forms or copies of Preparation and NA NA V 19. Standard Analysis or Instrument Run forms or copies of Preparation and NA NA V 19. Standard Analysis or Instrument Run forms or copies of Analysis or NA NA V 20. Original Preparation (PE)/Proficiency Testing (PT) Sample NA NA V	1. SDG Cover Page	1	1	✓	
4. CSF Inventory Sheet (DC-2) 5. SDG Narrative 8 10	2. Traffic Report/Chain of Custody Record(s)	2	3	✓	
5. SDG Narrative 6. Communication Logs 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 or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order Other Data 10. Standard and Reagent Preparation Logs 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or To8 723	3. Sample Log-In Sheet (DC-1)	4	4	✓	
6. Communication Logs 7. Percent Solids Log 11 12	4. CSF Inventory Sheet (DC-2)	5	7	✓	
Analysis Forms and Data (ICP-AES) 8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order Other Data 10. Standard and Reagent Preparation Logs 568 705 ✓ 11. Original Preparation and Cleanup forms or copies of Preparation and 706 707 ✓ Cleanup Logbooks 708 723 ✓ Instrument Logbooks 708 723 ✓ Instrument Logbooks 708 723 ✓ Instructions 708 723 ✓ Instructions 708 723 ✓ Instructions 708 723 ✓ Instructions 708 723 ✓ Instruction Logs for TCLP and SPLP 708 708 708 708 708 708 708 708 708 708	5. SDG Narrative	8	10	✓	
Analysis Forms and Data (ICP-AES) 8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 30 567	6. Communication Logs	NA	NA	√	
8. Sample Analysis Data Forms (IA-OR, IB-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 30 567 \$\$ Other Data 10. Standard and Reagent Preparation Logs 568 705 \$\$ 11. Original Preparation and Cleanup forms or copies of Preparation and 706 707 \$\$ Cleanup Logbooks 708 723 \$\$ 12. Original Analysis or Instrument Run forms or copies of Analysis or 708 723 \$\$ Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA \$\$ 14. Extraction Logs for TCLP and SPLP NA 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 (IA-OR, IB-OR, and 1-IN) for each sample 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 NA NA \$\$ Instrument Logbooks NA NA \$\$ 17. Original Analysis or Instrument Run forms or copies of Analysis or NA NA \$\$ 18. Original Preparation and Cleanup forms or copies of Analysis or NA NA \$\$ 19. Standard Analysis or Instrument Run forms or copies of Analysis or NA NA \$\$ 20. Original Analysis or Instrument Run forms or copies of Analysis or NA NA \$\$ 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA \$\$	7. Percent Solids Log	11	12	✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 30 567 Other Data 10. Standard and Reagent Preparation Logs 568 705 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 708 723 Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	Analysis Forms and Data (ICP-AES)				
9. Instrument raw data by instrument in analysis order Other Data 10. Standard and Reagent Preparation Logs 568 705 ✓ 11. Original Preparation and Cleanup forms or copies of Preparation and 706 707 ✓ Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 708 723 ✓ Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA ✓ 15. Raw GPC Data NA NA NA ✓ 16. Raw Florisil Data NA NA NA ✓ Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA NA ✓ Other Data 19. Standard and Reagent Preparation Logs NA NA NA ✓ Other Data 19. Standard and Reagent Preparation Logs NA NA NA ✓ Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Preparation and Cleanup Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA VA		13	29	✓	
10. Standard and Reagent Preparation Logs 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 708 723 ✓ Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA ✓ 15. Raw GPC Data NA NA NA ✓ 16. Raw Florisil Data NA NA ✓ Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA V Other Data 19. Standard and Reagent Preparation Logs NA NA V Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or NA NA V Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA V		30	567	✓	
10. Standard and Reagent Preparation Logs 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 708 723 ✓ Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA ✓ 15. Raw GPC Data NA NA NA ✓ 16. Raw Florisil Data NA NA ✓ Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA V Other Data 19. Standard and Reagent Preparation Logs NA NA V Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or NA NA V Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA V	Other Date			'	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 708 723 ✓ Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA V Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA V 15. Raw GPC Data NA NA V 16. Raw Florisil Data NA NA V Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA V Other Data 19. Standard and Reagent Preparation Logs NA 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 V		568	705	1	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample					
Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA 15. Raw GPC Data NA NA NA 16. Raw Florisil Data NA NA NA Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA Other Data 19. Standard and Reagent Preparation Logs NA NA NA Other Data 19. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or NA NA NA Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA NA Performance Evaluation (PE)/Proficiency Testing (PT) Sample	Cleanup Logbooks	708	723		
Instructions 14 . Extraction Logs for TCLP and SPLP NA NA ✓ 15 . Raw GPC Data NA NA NA ✓ 16 . Raw Florisil Data NA NA NA ✓ Analysis Forms and Data (ICP-MS) 17 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18 . Instrument raw data by instrument in analysis order NA NA ✓ Other Data 19 . Standard and Reagent Preparation Logs NA NA ✓ 20 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 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 ✓	Instrument Logbooks				·
15. Raw GPC Data 16. Raw Florisil Data NA NA V Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA V Other Data 19. Standard and Reagent Preparation Logs NA NA V 20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA V		NA	NA_		· ——
16. Raw Florisil Data NA NA ✓ Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA ✓ Other Data 19. Standard and Reagent Preparation Logs NA NA ✓ 20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA ✓ 21. Original Analysis or Instrument Run forms or copies of Analysis or NA NA ✓ Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓	14. Extraction Logs for TCLP and SPLP	NA NA	NA		
Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order NA NA Other Data 19. Standard and Reagent Preparation Logs NA NA 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 NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA	15 . Raw GPC Data	NA	NA	✓	
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample 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 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 ✓	16. Raw Florisil Data	NA .	NA		
or sample analysis, laboratory QC as applicable 18 . Instrument raw data by instrument in analysis order NA NA V Other Data 19 . Standard and Reagent Preparation Logs NA NA V 20 . Original Preparation and Cleanup forms or copies of Preparation and NA NA V Cleanup Logbooks 21 . Original Analysis or Instrument Run forms or copies of Analysis or NA NA V Instrument Logbooks 22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA V	Analysis Forms and Data (ICP-MS)				
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 ✓		NA	NA	_	
19. Standard and Reagent Preparation Logs 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 ✓		NA_	NA	✓	
19. Standard and Reagent Preparation Logs 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 ✓	Other Data				
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 ✓		NA	NA	✓	
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 ✓		NA	NA	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA \checkmark	21. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
	22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	

	PAGE 1	NOs:	СН	ECK
	FROM	TO	LAB	REGION
23. Extraction Logs for TCLP and SPLP	NA	NA		
24 . Raw GPC Data	NA	NA		
25 . Raw Florisil Data	NA	NA		
Analysis Forms and Data (Mercury)				
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA		
or sample analysis, laboratory QC as applicable 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	NA	NA		
Instrument Logbooks 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
Instructions 32. Extraction Logs for TCLP and SPLP	NA	NA	✓	
33 . Raw GPC Data	NA	NA	√	
34 . Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Cyanide)				
35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA	✓	
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	NA	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	✓	
Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA_	NA	✓	
Instructions 41. Extraction Logs for TCLP and SPLP	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 Shipp	ing/Receiving Documents					
Airbill (1	No. of Shipments)		724	724	✓	
Sample Tag	gs		NA	NA	✓	
Sample Log	g-In Sheet (Lab)		725	726	✓	
45. Misc. Ship	pping/Receiving Records(list all individu	al records)				
			NA	NA_	<u>✓</u>	
	Lab Sample Transfer Records and Tracking	Sheets				
(describe	or list)		727	727	,	
-						
47 Other Deer	ords and related Communication Logs					· ——
(describe						
			NA	NA		
48. Comments:						
Completed by:						
(CLP Lab)	(Signature)	Nimisha Pandya, Documen (Print Name & Title)	t Control	Officer	(Da	te)
Audited by:	(Digitalate)	(TITTE Name & TICLE)			(20	<i>cc</i> ,
(EPA)	(Signature)	(Print Name & Title)			(Da	te)
	(0191146416)	(IIIIIC Name a IICIE)			(Da	



SDG NARRATIVE

USEPA
SDG # MBHN53
CASE # 51879
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P5202

A. Number of Samples and Date of Receipt

17 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: 1.5°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) =
$$C \times Vf \times VF$$

W x S

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 MBHN53 For Arsenic:

If C = 0.0957128 ppm

Vf = 100 ml

W = 1.33 g

S = 0.964(96.4/100)

DF = 1

Concentration (mg/kg) = $0.0957128 \text{ x} \frac{100}{1.33 \text{ x } 0.964} \text{ x } 1$

= 7.46519 mg/kg

= 7.5 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, Arsenic, Copper, Selenium, Silver, Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for 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: 12/12/2024

OVENTEMP IN Celsius(°C): 107

Time IN: 13:20

In Date: 12/11/2024

Weight Check 1.0g: 1.00 Weight Check 10g: 10.00

OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103

Time OUT: 07:33

Out Date: 12/12/2024

Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4

Thermometer ID: % SOLID- OVEN

QC:LB133879

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Sample	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
P5206-01	MBHN53	1	1.15	8.50	9.65	9.34	96.4	
P5206-02	MBHN82	2	1.15	8.35	9.5	7.07	70.9	
P5206-03	MBHN82D	3	1.15	8.35	9.5	7.07	70.9	
P5206-04	MBHN82S	4	1.15	8.35	9.5	7.07	70.9	
P5206-05	MBHN83	5	1.19	8.42	9.61	7.42	74.0	
P5206-06	MBHN84	6	1.18	8.72	9.9	8.21	80.6	
P5206-07	MBHN85	7	1.16	8.53	9.69	8.21	82.6	
P5206-08	MBHN86	8	1.15	8.82	9.97	8.67	85.3	
P5206-09	MBHN87	9	1.17	8.40	9.57	8.38	85.8	
P5206-10	MBHN88	10	1.13	8.39	9.52	8.74	90.7	
P5206-11	MBHNA1	11	1.15	8.53	9.68	7.65	76.2	
P5206-12	MBHNA2	12	1.17	8.60	9.77	7.92	78.5	
P5206-13	MBHNA3	13	1.19	8.55	9.74	8.27	82.8	
P5206-14	MBHNA4	14	1.15	8.63	9.78	8.58	86.1	
P5206-15	MBHNA5	15	1.14	8.43	9.57	8.66	89.2	
P5206-16	MBHNA6	16	1.18	8.62	9.8	9.26	93.7	
P5206-17	MBHNA7	17	1.17	8.34	9.51	8.93	93.0	
P5206-18	MBHNJ9	18	1.16	8.63	9.79	8.96	90.4	
P5206-19	MBHNK0	19	1.12	8.70	9.82	7.76	76.3	

WORKLIST(Hardcopy Internal Chain)

%1-p5206 WorkList Name:

WorkList ID: 186219

Department: Wet-Chemistry

M 133879 Date: 12-11-2024 09:14:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5206-01	MBHN53	rilco						
DESONE OS		Diloc	rercent Solids	Cool 4 deg C	USEP01	C43	11/21/2024	Chemtech - SO
L3200-02	MBHN82	Solid	Percent Solids	Cool 4 deg C	USFP04	C43		
P5206-03	MBHN82D	Solid	Percent Solids	0 2000		3	11/20/2024	Chemtech -SO
P5206-04	MBHN82S	Lilo?		Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
P5206-05	WE WE		rercent solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
DE208 00		pilos	Percent Solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech
L3Z00-00	MBHN84	Solid	Percent Solids	Cool 4 dea C	10000			
P5206-07	MBHN85	Solid	Percent Solids	0 2 de 1 000	USEPUT	543	11/20/2024	Chemtech -SO
P5206-08	MBHN86	Solid	Percent Solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
P5206-09	MBHN87		Spilos lines	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
P5206-10	MBUNOO	Diloo	Percent Solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
01-020	SSNITIGIN	Solid	Percent Solids	Cool 4 deg C	USEP01	C43	44 (200,000,44	
P5206-11	MBHNA1	Solid	Percent Solids	0 200		2	11/20/2024	Chemtech -SO
P5206-12	MBHNA2	rilog	Doroca tracard	O den + looo	USEP01	C43	11/20/2024	Chemtech -SO
P5206-13	C S Z H a W		reiceili Solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
		Solid	Percent Solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chorten Chor
P5206-14	MBHNA4	Solid	Percent Solids	Cool 4 dea C	11SED04		170707	Octobilities of the control of the c
P5206-15	MBHNA5	Solid	Percent Solids	C 200 / 1000		545	11/20/2024	Chemtech -SO
P5206-16	MBHNA6	Solid	Percent Solids	o dead o	USEP01	C43	11/20/2024	Chemtech -SO
P5206-17	MBHNA7		spino lipo i	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
P5206-18	CINICA	Solid	Percent Solids	Cool 4 deg C	USEP01	C43	11/20/2024	Chemtech -SO
	SCNIDIN	Solid	Percent Solids	Cool 4 deg C	USEP01	C43	11/20/2024	
P5206-19	MBHNK0	Solid	Percent Solids	Cool 4 deg C	USEP01	C43	- 1	Oc- mailinean
							- 1	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Page 1 of 1

721.75

Raw Sample Relinquished by: Raw Sample Received by: Date/Time Jarly 34