S	DG	COVER	PAGE	

Lab Name:	Alliance	Technical Grou	p, LLC	Contract	: 68HERH20D	0011	
Lab Code:	ACE	Case No.: 5	51879	MA No.:			SDG No.: MBHLE9
SOW No. :	SFAM01.1						
EPA Sample	No.	Lab Sample I	d	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MBHLE9		P5079-01		X			
MBHLF0		P5079-02		X			
MBHLF1		P5079-03		X			
MBHLF2		P5079-04		Х			
MBHLF3		P5079-05		X			
MBHLF4		P5079-06		X			
MBHLF5		P5079-07		Х			
MBHLF6		P5079-08		X			
MBHLF7		P5079-09		X			
MBHLF8		P5079-10		Х			
MBHLF8D		P5079-11		X			
MBHLF8S		P5079-12		X			
MBHLF9		P5079-13		Х			
MBHLG7		P5079-14		X			
MBHLG8		P5079-15		X			
MBHLG9		P5079-16		X			
MBHLH0		P5079-17		X			
MBHLH1		P5079-18		X			
MBHLH2		P5079-19		X			
MBHLH3		P5079-20		Х			
MBHLH4		P5079-21		Х			
MBHLH5		P5079-22		Х			

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:

Title:

Bey Bar Set 7         Case #: 51879 Cooler #: 1         Case #: 51879 Cooler #: 1         Location (Days)         Location (Days)           *         Soli/         Math/x/Sampler Soli/         Method         Analysis/Turnaround         Tag/Preservat/we/Bottles         Location           MBHLED         Soli/         ICP-AES(35)         4508 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLED         Soli/         ICP-AES(35)         4509 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF1         Soli/         ICP-AES(35)         4509 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF2         Soli/         ICP-AES(35)         4450 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF3         Soli/         ICP-AES(35)         4447 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF4         Soli/         ICP-AES(35)         4447 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF7         Soli/         ICP-AES(35)         4448 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF6         Soli/         ICP-AES(35)         4440 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF8         Soli/         ICP-AES(35)         4449 (Wet ice < 6 C) (1)         P17	1 Infact	Listory Seal Infact		12/03/24	MA Child					
Case #: 51879       Location         Cooler #: 1         Location       Location         (Days)       Location         (DP-AES(35))       4508 (Wet ice < 6 C) (1)	<th>2.0</th> <th>FR. Cant 1</th> <th>12.4.24</th> <th>CR</th> <th>103/</th> <th>NSP</th> <th>14</th> <th>Mat</th> <th>1 cooler</th>	2.0	FR. Cant 1	12.4.24	CR	103/	NSP	14	Mat	1 cooler
Case #: 51879       Location       Location         ysis/Furmaround       Tag/Preservative/Bottles       Location         (Days)       4508 (Wet ice < 6 C) (1)	Upon Receipt	Sample Condition	Date/Time			rganization)	(Signature and O	Relinquished by	Items/Reason	
tiles       Location         (1)       P173-SB-17       1         (1)       P173-SB-17       1         (1)       P173-SB-17       1         (1)       P173-SB-17       1         (1)       P173-SB-10       1					09 Metais	ASD SOP C-10	1e - SFAM01.1/LS	ES=CLP Routi	nalysis Key: ICP-A	
Case # 51879         Case # 51879           Case # 51879           Case # 51879           Cooler # 1           Cooler # 1           Cooler # 1           Soil/         International (Days)         Tag/Preservative/Bottles         Location           Soil/         International (Days)         Tag/Preservative/Bottles         Location           MBHLF9         Soil/         Imathix/Sampler         Coll         Imathix/Sampler         Location         Imathix/Sampler         Imathix/Sampler         Location         Imathix/Sampler         Location         Imathix/Sampler         Imathix/Sampler         Imathix/Sampler         Location         Imathix/Sampler         Imathix/Sampler<	ustody #	Complete? N ed From Chain of C	Shipment for Case Samples Transferre		Special Instructions: Samples N re limited sample mass.	0 Tag 4481 - : d MBHLJ0 hav	173-SB-10-Z24-3 1LE6, MBHLF4 an	d for Lab QC: F MBHLE0, MB	ample(s) to be use S/MSDs. Samples	
Case # 51879         Case # 51879           Sample No.         Matrix/Sampler         Coll.         Analysis/Turnaround         Tag/Preservative/Bottles         Location           MBHLE9         Soil/         Soil/         ICP-AES(35)         4508 (Wet ice < 6 C) (1)	\$e	11/26/2024 09:30			ICP-AES(35)		Soil/	MBHLF8	P173-SB-10-Z24- 30	
Case #: 51879 Cooler #: 1         Case #: 51879 Cooler #: 1           Case #: 51879 Cooler #: 1           Cooler #: 1           Cooler #: 1           Sample No.         Matrix/Sampler         Cooler #: 1           Sample No.         Matrix/Sampler         Cooler #: 1           Matrix/Sampler         Method         ICP-AES(35)         A508 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF0         Soil/         ICP-AES(35)         4550 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF1         Soil/         ICP-AES(35)         4446 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF2         Soil/         ICP-AES(35)         4446 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF3         Soil/         ICP-AES(35)         4448 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF5         Soil/         ICP-AES(35)         4449 (Wet ice < 6 C) (1)         P173-SB		11/26/2024 09:30		4480 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHLF7	P173-SB-10-Z18- 24	
Case #: 51879 Cooler #: 1         Case #: 51879 Cooler #: 1           Case #: 51879 Cooler #: 1           Cooler #: 1           Cooler #: 1           Cooler #: 1           Tag/Preservative/Bottles            Cooler #: 1           Tag/Preservative/Bottles            Sall/         Cooler #: 1           MBHLE9         Soil/         Location         Location           MBHLF0         Soil/         PI73-SB-17         1           MBHLF1         Soil/         PI73-SB-17         1           MBHLF2         Soil/         PI73-SB-17         1           MBHLF3         Soil/         PI73-SB-17         1           MBHLF4         Soil/         PI73-SB-17         1           MBHLF3         Soil/         PI73-SB-17         1           MBHLF4         Soil/         PI73-SB-10         1           MBHLF5         Soil/         PI73-		11/26/2024 09:30		4449 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHLF6	P173-SB-10-Z12- 18	
Case #. 51879 Cooler #. 1         Case #. 51879 Cooler #. 1         Case #. 51879 Cooler #. 1           Case #. 51879 Cooler #. 1           Case #. 51879 Cooler #. 1           Cooler #. 1           Case #. 51879 Cooler #. 1           Cooler #. 1           Tay/Preservative/Bottles         Location           Cooler #. 1           Soil/         Method         ICP-AES(35)         4509 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF1         Soil/         ICP-AES(35)         4550 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF2         Soil/         ICP-AES(35)         4551 (Wet ice < 6 C) (1)         P173-SB-17         1           MBHLF3         Soil/         ICP-AES(35)         4446 (Wet ice < 6 C) (1)         P173-SB-10         1           MBHLF4         Soil/         ICP-AES(35)         4447 (Wet ice < 6 C) (1)         P173-SB-10         1		11/26/2024 09:30			ICP-AES(35)		Soil/	MBHLF5	P173-SB-10-Z06- 12	
Case #: 51879 Cooler #: 1         Case #: 51879 Cooler #: 1         La Cooler #: 1           Cooler #: 1           Cooler #: 1           Cooler #: 1           Cooler #: 1           Tag/Preservative/Bottles             Soil/            MBHLE9         Soil/            MBHLF0         Soil/         Location         Location           MBHLF1         Soil/         Preservative/Bottles         Location           MBHLF2         Soil/         ICP-AES(35)         4509 (Wet ice <6 C) (1)         P173-SB-17         1           MBHLF3         Soil/         ICP-AES(35)         4550 (Wet ice <6 C) (1)         P173-SB-17         1		11/26/2024 09:30			ICP-AES(35)		Soil/	MBHLF4	P173-SB-10-Z02- 06	
Case #: 51879 Cooler #: 1         Case #: 51879 Cooler #: 1         La           Cooler #: 1           Sample No.         Matrix/Sampler         Cooler #: 1           Sample No.         Matrix/Sampler         Location         Location           MBHLE9         Soil/         Preservative/Bottles         Location           MBHLF0         Soil/         Prime Prim Prim Prime Prime Prime Prime Prime Prime Prime Prime Pr		11/26/2024 09:30			ICP-AES(35)		Soil/	MBHLF3	9173-SB-10-Z00- 02	
Case #: 51879       Case #: 51879       Cooler #: 1         Soil/       Location         MBHLE9       Soil/       Location         MBHLF0       Soil/       ICP-AES(35)       4509 (Wet ice <6 C) (1)       P173-SB-17       1         MBHLF1       Soil/       ICP-AES(35)       4509 (Wet ice <6 C) (1)       P173-SB-17       1		11/26/2024 10:05			ICP-AES(35)		Soil/	MBHLF2	P173-SB-17-Z30- 36	
Case #: 51879       Case #: 51879       Cooler #: 1         Soil/       Cooler #: 1         Matrix/Sampler       Cool.       Tag/Preservative/Bottles       Location         Soil/       Method       ICP-AES(35)       4508 (Wet ice <6 C) (1)       P173-SB-17       1         MBHLF0       Soil/       ICP-AES(35)       4509 (Wet ice <6 C) (1)       P173-SB-17       1		11/26/2024 10:05			ICP-AES(35)		Soil/	MBHLF1	P173-SB-17-Z24- 30	
Case #: 51879       Case #: 51879       Cooler #: 1         CLP       Matrix/Sampler       Coll.       Analysis/Furnaround       Tag/Preservative/Bottles       Location         Sample No.       Method       (Days)       Tag/Preservative/Bottles       Location         MBHLE9       Soil/       ICP-AES(35)       4508 (Wet ice < 6 C) (1)		11/26/2024 10:05			ICP-AES(35)		Soil/	MBHLFO	P173-SB-17-Z18- 24	
D24     Case #: 51879     Lase #: 51879       Cooler #: 1     Cooler #: 1       CLP     Matrix/Sampler     Coll.       Sample No.     Coll.     Analysis/Turnaround       Tag/Preservative/Bottles     Location       (Days)     Tag/Preservative/Bottles		11/26/2024 10:05			ICP-AES(35)		Soil/	MBHLE9	P173-SB-17-Z12- 18	
024 Case #: 51879 6917 Cooler #: 1	For Lab Use Only	Collection Date/Time	ļ	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier	
024 Case #: 51879 La	908-789-8900	Lab Phone:		<del>م</del> ه	Cooler #: 1			7 6917	irbillNo: 7704 5937	
	ammad Ahmed	Lab Contact: Moha		179	Case #: 518			×	arrierName: FedE	
	cal Group LLC	Lab: Alliance Techni						2024	ateShipped: 12/3/	

Page 2 of 4

USEPA CLP COC (LAB COPY)

SDG # MBHLE9

68HERH20D0011

No: 2-120324-100528-0040

CHAIN OF CUSTODY RECORD

CarrierName: FedEx AirbillNo: 7704 5937 6917	7 6917			0	Case #: 51879 Cooler #: 1	Q		Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	ance Fechnical Group LCC antact: Mohammad Ahmed Lab Phone: 908-789-8900
Sample Identifier	CLP	Matrix/Sampler	Coll.	Analysis/Turnaround	around	Tag/Preservative/Bottles	Location	Collection	For Lab Use
P173-SB-10-Z30- 36	MBHLF9	Soil/		ICP-AES(35)	35)	4482 (Wet ice < 6 C) (1)	P173-SB-10	11/26/2024 09:30	
P173-SB-20-Z00- 02	MBHLG7	Soil/		ICP-AES(35)	35)	4516 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-20-Z02- 06	MBHLG8	Soil/		ICP-AES(35)	35)	4517 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-20-Z06- 12	MBHLG9	Soil/		ICP-AES(35)	35)	4518 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-20-Z12- 18	MBHLHO	Soil/		ICP-AES(35)	35)	4519 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-20-Z18- 24	MBHLH1	Soil/		ICP-AES(35)	35)	4560 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-20-Z24- 30	MBHLH2	Soil/		ICP-AES(35)	5	4561 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-20-Z30- 36	MBHLH3	Soil/		ICP-AES(35)	5	4562 (Wet ice < 6 C) (1)	P173-SB-20	11/26/2024 10:00	
P173-SB-15-Z00- 02	MBHLH4	Soil/		ICP-AES(35)	5	4541 (Wet ice < 6 C) (1)	P173-SB-15	11/26/2024 10:10	
P173-SB-15-Z02- 06	MBHLH5	Soil/		ICP-AES(35)	5)	4542 (Wet ice < 6 C) (1)	P173-SB-15	11/26/2024 10:10	
Special Instructions: limited sample mass	: Samples MBH s.	ILE8 and MBHLF8 an	e MS/MSDs.	Samples MBHLEO	, MBHLE6, M	Special Instructions: Samples MBHLE8 and MBHLF8 are MS/MSDs. Samples MBHLE0, MBHLE6, MBHLF4 and MBHLJ0 have limited sample mass.	Shipment for Case Complete? N Samples Transferred From Chai	Shipment for Case Complete? N Samples Transferred From Chain of Custody #	Custody #
Analysis Key: ICP-A	AES=CLP Routi	Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals	D SOP C-10	)9 Metals					
Items/Reason	Relinquished by	Relinquished by (Signature and Organization)	_	Date/Time	Received b	Received by (Signature and Organization)	_	Sample Condition Upon Receipt	n Upon Receipt
1 cooler	With	NA NA	SP	12/03/24	0	A A	1020	Thilant 1	20.1
					1 All	12/03/	24	Custely Sen	t prest

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Page 3 of 4

USEPA CLP COC (LAB COPY) DateShipped: 12/3/2024

CHAIN OF CUSTODY RECORD

SDG # MBHLE9

68HERH20D0011

No: 2-120324-100528-0040 Lab: Alliance Technical Group LLC

## FORM DC-1

## SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC	Δ			Page_1_of	1	
Received By (Pr	int Name) Coccar		D .			Log-in Date	e 12/4/20	)24
Received By (Si		/						-
Case Number	51879	SDG	No. MBHI	_E9		MA No. N	/A	
		1						~
Remarks:						Correspondii	na	
1. Custody Seal (s)	Present, Intact			Aqueous				Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MBHLE9	N/A	4508		P5079-01	Intact
Custody Records		2	MBHLFO	N/A	4509		P5079-02	Intact
4. Airbill	Dresent	3	MBHLF1	N/A	4550		P5079-03	Intact
	Present	4	MBHLF2	N/A	4551		P5079-04	Intact
5. Airbill No. and	770459376917	5	MBHLF3	N/A	4446		P5079-05	Intact
Shipping Container ID No.	1	6	MBHLF4	N/A	4447		P5079-06	Intact
6. Shipping Container		7	MBHLF5	N/A	4448		P5079-07	Intact
Temperature	Present	8	MBHLF6	N/A	4449		P5079-08	Intact
Indicator Bottle		9	MBHLF7	N/A	4480		P5079-09	Intact
7. Shipping Container	2.0 Degree C	10	MBHLF8	N/A	4481		P5079-10	Intact
Temperature		11	MBHLF8D	N/A	4481		P5079-11	Intact
8. Sample	Intact	12	MBHLF8S	N/A	4481		P5079-12	Intact
Condition		13	MBHLF9	N/A	4482		P5079-13	Intact
		14	MBHLG7	N/A	4516		P5079-14	Intact
9. Sample Tags Sample Tag	Absent	15	MBHLG8	N/A	4517		P5079-15	Intact
Numbers	Listed on Traffic	16	MBHLG9	N/A	4518		P5079-16	Intact
	Report	17	MBHLHO	N/A	4519		P5079-17	Intact
10. Does information on Traffic	Yes	18	MBHLH1	N/A	4560		P5079-18	Intact
Reports/Chain of Custody Records		19	MBHLH2	N/A	4561		P5079-19	Intact
and Sample Tags		20	MBHLH3	N/A	4562		P5079-20	Intact
agree ?		21	MBHLH4	N/A	4541		P5079-21	Intact
<ol> <li>Date Received at Lab</li> </ol>	12/04/2024	22	MBHLH5	N/A	4542		P5079-22	Intact
		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	10:20							

# \* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	12/4/24	Logbook Page No.	N/A

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

LAB NAME	Alliance Techn	ical Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51879	SDG NO.	MBHLE9
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 FROM	NOs: TO	<u>CH</u> LAB	<u>ECK</u> 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	10	✓	
6. Communication Logs	NA	NA	~	
7. Percent Solids Log	11	13	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	14	33	✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	34	868	✓	
Other Data				
10. Standard and Reagent Preparation Logs	869	1007	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and	1008	1009	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1010	1046	✓	
<ol> <li>Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions</li> </ol>	NA	NA	<b>√</b>	·
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	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)				
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30. Original Analysis or Instrument Run forms or copies of Analysis or       NA       NA<		NA	NA	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample       NA       NA       NA         32. Extraction Logs for TCLP and SPLP       NA       NA       NA       NA         33. Raw GPC Data       NA       NA       NA       NA       NA         34. Raw Florisil Data       NA       NA       NA       NA       NA         Analysis Forms and Data (Cyanide)       Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable       NA       NA       NA         36. Instrument raw data by instrument in analysis order       NA       NA       NA          Other Data       33. Original Analysis or Instrument Run forms or copies of Preparation and Cleanup Logbooks       NA       NA          39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks       NA       NA          40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions       NA       NA          41. Extraction Logs for TCLP and SPLP       NA       NA           42. Raw GPC Data       NA       NA	30. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA		
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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	✓	
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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		
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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
<b>Additional</b> 44. EPA Shipp	ing/Receiving Documents					
Airbill (	No. of Shipments)		1047	1047	✓	
Sample Ta	gs		NA	NA	✓	
Sample Lo	g-In Sheet (Lab)		1048	1049	✓	
45. Misc. Shi	pping/Receiving Records(list all indivi	dual records)	NA	NA	_√	
	Lab Sample Transfer Records and Trackin or list)	g Sheets	1050	1051	✓	
	ords and related Communication Logs or list)		NA	NA		
48. Comments:						·
Completed by	:					
(CLP Lab) Audited by: (EPA)	(Signature)	Nimisha Pandya, Docum (Print Name & Title)		L Officer	(Dat	te)
	(Signature)	(Print Name & Title)	)		(Dat	te)



# 284 Sheffield Street Mountainside, NJ 07092

## **SDG NARRATIVE**

USEPA SDG # MBHLE9 CASE # 51879 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P5079

## A. Number of Samples and Date of Receipt

20 Soil sample were delivered to the laboratory intact on 12/04/2024.

## **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.



## 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 MBHLE9 For Arsenic:**

If C = 0.3912079 ppm Vf = 100 ml W = 1.33 g S = 0.834(83.4/100) DF = 1 Concentration (mg/kg) = 0.3912079 x  $\frac{100}{1.33 \text{ x } 0.834}$  x 1 = 35.26873 mg/kg = 35 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, Copper, Selenium, Silver, Thallium, Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Aluminum, Barium, Calcium, Cobalt, Iron, Magnesium, Manganese, 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: 12/6/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 12:30 In Date: 12/05/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:42 Out Date: 12/06/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

**QC:**LB133753

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
P5079-01	MBHLE9	1	1.15	8.64	9.79	8.36	83.4	
P5079-02	MBHLF0	2	1.15	8.65	9.8	8.88	89.4	
P5079-03	MBHLF1	3	1.14	8.50	9.64	8.77	89.8	
P5079-04	MBHLF2	4	1.14	8.39	9.53	8.48	87.5	
P5079-05	MBHLF3	5	1.14	8.84	9.98	7.62	73.3	
P5079-06	MBHLF4	6	1.13	8.43	9.56	8.62	88.8	
P5079-07	MBHLF5	7	1.15	8.48	9.63	8.16	82.7	
P5079-08	MBHLF6	8	1.17	8.44	9.61	7.75	78.0	
P5079-09	MBHLF7	9	1.15	8.52	9.67	7.89	79.1	
P5079-10	MBHLF8	10	1.15	8.42	9.57	8.39	86.0	
P5079-11	MBHLF8D	11	1.15	8.42	9.57	8.39	86.0	
P5079-12	MBHLF8S	12	1.15	8.42	9.57	8.39	86.0	
P5079-13	MBHLF9	13	1.14	8.50	9.64	8.62	88.0	
P5079-14	MBHLG7	14	1.17	8.63	9.8	7.5	73.3	
P5079-15	MBHLG8	15	1.17	8.73	9.9	7.72	75.0	
P5079-16	MBHLG9	16	1.15	8.82	9.97	8.24	80.4	
P5079-17	MBHLH0	17	1.14	8.51	9.65	8.4	85.3	
P5079-18	MBHLH1	18	1.15	8.72	9.87	8.8	87.7	
P5079-19	MBHLH2	19	1.17	8.39	9.56	8.83	91.3	
P5079-20	MBHLH3	20	1.17	8.46	9.63	8.98	92.3	
P5079-21	MBHLH4	21	1.14	8.84	9.98	7.76	74.9	
P5079-22	MBHLH5	22	1.17	8.80	9.97	7.93	76.8	

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

Raw Sample Relinquished by:	le	Date/Time りんしちしんち		P5079-21	P5079-20	P5079-19	P50/9-18		P5070-17	P5079-16	P5079-15	P5079-14	P5079-13	P5079-12	P5079-11		P5079-10	P5079-09	P5079-08	P5079-07	P5079-06	P5079-05	r 307 9-04	DE070 04	D5070.03	P5079-02	P5079-01	Sample		WorkList Name :
ished by:		121,00			MBHLH3	MBHLH2	MBHLH1	MBHLHU	MBLILLO	MRHI CO	MBHLG8	MBHLG7	MBHLF9	MBHLF8S	MBHLF8D	ואוטרוברס		MBHLF7	MBHLF6	MBHLF5	MBHLF4	MBHLF3	MBHLF2	MBHLF1		MBHI FO	MBHLE9	Customer Sample		%1-P5079
SA			Solid	Olio	Solid	Solid	Solid	Solid	Solid		Colid	Solid	Solid	Solid	Solid	Solid	Colla	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid		Solid	Matrix	WorkList ID :	
Page			Percent Solids	Percent Solids		Percent Solids	Percent Solids	Percent Solids	Percent Solids	SDIIOS		Demont Collug	Percent Solide	Percent Solids	Percent Solids	Percent Solids	Percent Solids		Percent Solids		Percent Colido	Test	ID: 186003	WORKLIST(Ha						
Page 1 of 2			Cool 4 deg C	Cool 4 deg C	C fian + Inno		Cool 4 deg C	Cool 4 deg C	Cool 4 deg C	Cool 4 deg C	Cool 4 deg C	Cool 4 deg C		Cool 4 dea C	Cool 4 deg C	Cool 4 deg C	Cool 4 deg C	Coor 4 loo				Cool A dog C	Cool 4 deg C		Preservative	Department : \	WORKLIST(Hardcopy Internal Chain)			
Raw Sample Received by: Raw Sample Relinquished	Date/Time		USEP01	USEP01	USEP01		I REDO	USEP01	USEP01	USEP01	USEP01	USEP01			USEP01	USEP01	USEP01	USEP01	USEP01	USEP01	USEP01		USED01	USEP01	USEP01	USEP01		Customer	Wet-Chemistry	in)
Raw Sample Received by: Raw Sample Relinquished by:	1213/24		C23	C23	C23	CZ3		C23	C23	C23	C23	C23	CZ3	000	C33	C23	C23	C23	C23	C23	C23	620	0.33	C23	C23	C23		Raw Sample Storage Location	D	654981 W
2 C	X		- 1	11/26/2024 0	11/26/2024 (	11/26/2024 (				11/26/2024 (	11/26/2024 (	11/26/2024	11/26/2024				11/26/2024	11/26/2024	11/26/2024	11/26/2024	11/26/2024	11/26/2024		11/26/2024	11/26/2024	11/26/2024		Collect Date Method	Date: 12-05-2024 10:46:25	5453
524 Cull	えいろち		Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO		Chemtech _SO	Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO		Chemtech -so	Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO	Chemtech -SO		Chombolt -00	Chemterh co	Chemtech -SO		Method	24 10:46:25	

22-6100-1	Sample	WorkList Name :
MBHLH5	Customer Sample	%1-P5079
Solid	Matrix	WorkList ID :
Percent Solids	Test	WORKLIST(
Cool 4 deg C	Preservative	WORKLIST(Hardcopy Internal Chain) D: 186003 Department: Wet-
USEP01	Customer	l <b>ain)</b> Wet-Chemistry
C23 11/26/2024 Chemtech -SO	Raw Sample Storage Collect Date Method Location	N7133753 Date: 12-05-2024 10:46:25

Page 2 of 2

Raw Sample Relinquished by:

Date/Time  $\frac{1}{\lambda}$ / $\frac{\lambda}{\lambda}$ 

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Date/Time しんしろノスり Raw Sample Received by: Raw Sample Relinquished by: A well, 12:00 54