Lab Name:	Alliance	Technical Group, LLC	C Contrac	t: 68HERH20	)D0011	
Lab Code:	ACE	Case No.: 51879	MA No.:			SDG No.: MBHK55
SOW No. :	SFAM01.1					
				Analysi	s Method	
EPA Sample	No.	Lab Sample Id	ICP-AES	ICP-MS	Mercury	Cyanide
МВНК55		P5032-01	X			
МВНК56		P5032-02	X			
MBHK57		P5032-03	X			
МВНК58		P5032-04	X			
МВНК59		P5032-05	X			
МВНК60		P5032-06	Х			
MBHK61		P5032-07	X			
MBHK62		P5032-08	X			
МВНК63		P5032-09	X			
MBHK64		P5032-10	X			
МВНК65		P5032-11	X			
МВНК66		P5032-12	X			
MBHK67		P5032-13	X			
MBHK68		P5032-14	X			
МВНК69		P5032-15	X			
МВНК70		P5032-16	X			
MBHK71		P5032-17	X			
МВНК72		P5032-18	X			
MBHK72D		P5032-19	X			
MBHK72S		P5032-20	Х			_
МВНК73		P5032-21	Х			
MBHK74		P5032-22	Х			

SDG COVER PAGE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:	Name:	

Date:

Title:

Billion: 7172: 0139-005         Cup         Matrix/Sampler         Coll:r #.4           Imple Identifier         Surple No.         Matrix/Sampler         Coll:r #.4           TS:B0/7.200         MBHK55         SolV         Coll:r #.4           76:B0/7.200         MBHK56         SolV         ID-AES(35)         4739 (Wet ise < 6 C) (1)	and interest	Cushdy Seal		erzy	11/261				
Cooler #: 4       Tag/Preservative/Bottles       Location         (Days)       4739 (Wet ice < 6 C) (1)		Temp B/AN							
Cooler #: 4         Tag/Preservative/Bottles         Location           (Days)         4739 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4780 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4781 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4781 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4782 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4784 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4781 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4790 (Wet ice < 6 C) (1)         P175-SB-07         11           ICP-AES(35)         4791 (Wet ice < 6 C) (1)         P175-SB-10         11           ICP-AES(35)         4792 (Wet ice < 6 C) (1)         P175-SB-10         11           ICP-AES(35)         4792 (Wet ice < 6 C) (1)         P175-SB-10         11           ICP-AES(35)         4792 (Wet ice < 6 C) (1)         P175-SB-10         11           ICP-AES(35)         4792 (Wet ice < 6 C) (1)         P175-SB-10         11           ICP-AES(35)         4792 (Wet ice < 6 C) (1)         P175-SB-10         11			11+27.24	þ	11/1 × CC				
Cooler #. 4Tag/Preservative/BottlesLocation(Days)4739 (Wet ice < 6 C) (1)		qu	So: 0	0					/
Cooler #. 4         Tag/Preservative/Bottles         Location           (Days)         4739 (Wet ice < 6 C) (1)				holenda			J.	A	1 Cooler
Cooler #. 4         Tag/Preservative/Bottles         Location         Colle Date           (Days)         4739 (Wet ice < 6 C) (1)	Jpon Receipt	Sample Condition L	Date/Time			rganization)	y (Signature and O	Relinquished b	Items/Reason
ervative/Bottles         Location         Colle           at ice < 6 C) (1)         P175-SB-07         11/21/20           at ice < 6 C) (1)         P175-SB-10         11/21/20 <th></th> <th></th> <th></th> <th></th> <th>09 Metals</th> <th>ASD SOP C-10</th> <th>ine - SFAM01.1/LS</th> <th>AES=CLP Rout</th> <th>nalysis Key: ICP-/</th>					09 Metals	ASD SOP C-10	ine - SFAM01.1/LS	AES=CLP Rout	nalysis Key: ICP-/
SLP ple No.         Matrix/Sampler Soil/         Coll. (Days)         Tag/Preservative/Bottles (Days)         Location (Days)         Coll pate (Days)           HK56         Soil/         ICP-AES(35)         4739 (Wet ice < 6 C) (1)	stody #	od From Chain of Cu	amples Transferre		. Sample MBHK70 has limited a	are MS/MSDs	K72 and MBHK78	: Samples MBH	pecial Instructions
SLP ple No.         Matrix/Sampler Soil/         Coll. Method         Analysis/Turnaround (Days)         Tag/Preservative/Bottles         Location Date         Colle Date           HK56         Soil/         ICP-AES(35)         4739 (Wet loe < 6 C) (1)		Complete? N	hipment for Case (	S					
Sup ple No.         Matrix/Sampler Soilv         Coll. Method         Analysis/Turnaround (Days)         Tag/Preservative/Bottles         Location         Colle Date           HK56         Soilv         Icp-AES(35)         4739 (Wet ice < 6 C) (1)		11/21/2024 08:35			ICP-AES(35)		Soil/	MBHK64	175-SB-10-Z06- 12
SLP ple No.         Matrix/Sampler Soil/         Coll. Method         Analysis/Turnaround (Days)         Tag/Preservative/Bottles (Days)         Location Data         Colle Data           HK55         Soil/         Soil/         ICP-AES(35)         4739 (Wet ice < 6 C) (1)		11/21/2024 08:35			ICP-AES(35)		Soil/	MBHK63	9175-SB-10-Z02- 06
SLP ple No.         Matrix/Sampler Soil/         Coll. Method         Analysis/Turnaround (Days)         Tag/Preservative/Bottles 4739 (Wet ice < 6 C) (1)         Location Date         Colle Date           HK56         Soil/         Soil/         ICP-AES(35)         4739 (Wet ice < 6 C) (1)		11/21/2024 08:35	_		ICP-AES(35)		Soil/	MBHK62	9175-SB-10-Z00- 02
SLP ple No.         Matrix/Sampler Soil/         Coll. Method         Analysis/Turnaround (Days)         Tag/Preservative/Bottles         Location         Colle Date           HK55         Soil/         Method         ICP-AES(35)         4739 (Wet ice < 6 C) (1)		11/21/2024 09:00			ICP-AES(35)		Soil/	MBHK61	P175-SB-07-Z30- 36
Superior         Matrix/Sampler         Coll. Method         Analysis/Turnaround (Days)         Tag/Preservative/Bottles         Location         Colle Date           Ple No.         Soil/         Soil/         ICP-AES(35)         4739 (Wet ice < 6 C) (1)		11/21/2024 09:00			ICP-AES(35)		Soll	MBHK60	P175-SB-07-Z24- 30
Cooler #: 4         Cooler #: 4         Cooler #: 4         Cooler #: 4         Cooler Cooler #: 4           Cooler No.         Matrix/Sampler         Coll.         Analysis/Turnaround         Tag/Preservative/Bottles         Location         Colle Date           ple No.         Soil/         Method         ICP-AES(35)         4739 (Wet ice < 6 C) (1)         P175-SB-07         11/21/20           HK56         Soil/         ICP-AES(35)         4780 (Wet ice < 6 C) (1)         P175-SB-07         11/21/20           HK57         Soil/         ICP-AES(35)         4781 (Wet ice < 6 C) (1)         P175-SB-07         11/21/20           HK58         Soil/         ICP-AES(35)         4782 (Wet ice < 6 C) (1)         P175-SB-07         11/21/20		11/21/2024 09:00		4783 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHK59	P175-SB-07-Z18- 24
Cooler #: 4         Cooler #: 4         Cooler Tag/Preservative/Bottles         Location         Colle           Soil/         Nethod         (Days)         1ag/Preservative/Bottles         Location         Date           HK55         Soil/         Method         ICP-AES(35)         4739 (Wet ice < 6 C) (1)		11/21/2024 09:00		4782 (Wet ice < 6 C) (1)	ICP-AES(35)		Soil/	MBHK58	P175-SB-07-Z12- 18
Cooler #: 4       Cooler #: 4         Cooler Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservative/Bottles       Location       Colle         ple No.       Method       (Days)       Tag/Preservative/Bottles       Location       Date         HK55       Soil/       Soil/       ICP-AES(35)       4739 (Wet ice < 6 C) (1)       P175-SB-07       11/21/20         HK56       Soil/       ICP-AES(35)       4780 (Wet ice < 6 C) (1)       P175-SB-07       11/21/20		11/21/2024 09:00			ICP-AES(35)		Soil/	MBHK57	9175-SB-07-Z06- 12
Cooler #: 4       Cooler #: 4         Cooler Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservative/Bottles       Location       Colle         ple No.       Method       (Days)       Tag/Preservative/Bottles       Location       Colle         HK55       Soil/       ICP-AES(35)       4739 (Wet ice < 6 C) (1)       P175-SB-07       11/21/20		11/21/2024 09:00	_		ICP-AES(35)		Soil	MBHK56	0175-SB-07-Z02- 06
Cooler #: 4 Cooler		11/21/2024 09:00			ICP-AES(35)		Soil/	MBHK55	°175-SB-07-Z00- 02
Cooler #: 4	or Lab Use Only			Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	ample Identifier
	00-000	Lap - 11016, 0		÷				9 4005	ifdili <b>no:</b> //U2 613
	08-780-8000	l sh Dhone' 9		*				> ->>=	

Page 1 of 3

DateShipped: 11/26/2024 USEPA CLP COC (LAB COPY)

SDG # MBHK55 No: 2-112624-112547-0029

Lab: Alliance Technical Group LLC

CHAIN OF CUSTODY RECORD

68HERH20D0011

Sample Identifier P175-SB-10-Z12-	CLP Sample No. MBHK65	mpler	Coll. Method	Analysis/Turnaround (Days) ICP-AES(35)	35)		P175-SB-10	Date/Time 11/21/2024 08:3
P175-SB-10-Z12- 18	MBHK65	Soil/		ICP-AES(35)	35)	4793 (Wet ice < 6 C) (1)	P175-SB-10	11/21/2024 08:35
P175-SB-10-Z18- 24	MBHK66	Soil/		ICP-AES(35)	35)	4794 (Wet ice < 6 C) (1)	P175-SB-10	11/21/2024 08:35
P175-SB-10-Z24- 30	MBHK67	Soil		ICP-AES(35)	35)	4795 (Wet ice < 6 C) (1)	P175-SB-10	11/21/2024 08:35
P175-SB-10-Z30- 36	MBHK68	Soill		ICP-AES(35)	35)	4796 (Wet ice < 6 C) (1)	P175-SB-10	11/21/2024 08:35
P175-SB-11-Z00- 02	MBHK69	Soil/		ICP-AES(35)	35)	4797 (Wet ice < 6 C) (1)	P175-SB-11	11/21/2024 08:40
P175-SB-11-Z02- 06	MBHK70	Soil/		ICP-AES(35)	35)	4798 (Wet ice < 6 C) (1)	P175-SB-11	11/21/2024 08:40
P175-SB-11-Z06- 12	MBHK71	Soil/		ICP-AES(35)	35)	4799 (Wet ice < 6 C) (1)	P175-SB-11	11/21/2024 08:40
P175-SB-11-Z12- 18	MBHK72	Soil/		ICP-AES(35)	35)	4750 (Wet ice < 6 C) (1)	P175-SB-11	11/21/2024 08:40
P175-SB-11-Z18- 24	MBHK73	Soil/		ICP-AES(35)	•			
P175-SB-11-Z24- 30	MBHK74	Soil/		ICP-AES(35)	35)	4751 (Wet ice < 6 C) (1)	P175-SB-11	11/21/2024 08:4
Sample(s) to be use MS/MSDs. Sample	ed for Lab QC: F MBHK70 has lin	Sample(s) to be used for Lab QC: P175-SB-11-Z12-18 Tag 4750 MS/MSDs. Sample MBHK70 has limited sample mass.	ıg 4750 - S	pecial Instructions	35)		P175-SB-11 P175-SB-11	11/21/2024 08:
Analysis Key: ICP-A	NES=CLP Routi	Analysis Key: ICP-AES=CLP Routine - SFAM01.1/LSASD SOP C-109 Metals	) SOP C-10		35) 35) ;; Samples M	<b>T</b>	P175-SB-11 P175-SB-11 Shipment for Ca Samples Transf	P175-SB-11 11/21/2024 08:4 P175-SB-11 11/21/2024 08:4 Shipment for Case Complete? N Samples Transferred From Chain
Items/Reason	Relinquished by	Relinquished by (Signature and Organization)	vization)	9 Metais	35) 35) Samples M	4751 (Wet ice < 6 C) (1) 4752 (Wet ice < 6 C) (1) BHK72 and MBHK78 are	P175-SB-11 P175-SB-11 Shipment for Ca Samples Transf	P175-SB-11       11/21/2024 08:40         P175-SB-11       11/21/2024 08:40         Shipment for Case Complete? N         Samples Transferred From Chain of Custody #
			0	9 Metals Date/Time /// 2 <i>仏 (</i> 2 <i>Ҷ</i> / <del>2</del> 00	35) 35) Received	4751 (Wet ice < 6 C) (1)		11/21/2024 08:4 11/21/2024 08:4 Ise Complete? N erred From Chain Sample Cond
				9 Metals Date/Time ///2しん (こく) //ナロロ ノン/入	Received Samples M	4751 (Wet ice < 6 C) (1) 4752 (Wet ice < 6 C) (1) BHK72 and MBHK78 are by (Signature and Organizati		11/21/2024 08:40         11/21/2024 08:40         Ise Complete? N         Ise Complete? N         Ise From Chain of Custody #         Ise Tom Chain of Custody #         Ise Tom Chain of Custody #

CHAIN OF CUSTODY RECORD 68HERH20D0011

SDG # MBHK55

CarrierName: FedEx DateShipped: 11/26/2024 USEPA CLP COC (LAB COPY)

Page 2 of 3

Cooler #: 4

No: 2-112624-112547-0029

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

Case #: 51879

### FORM DC-1

### SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC	$\sim$			Page_1_of_	1	
Received By (Pr	int Name Cussings		Kin			Log-in Date	e 11/27/2	2024
Received By (Si	gnature)		protection					
Case Number	51879	SDG	No. MBH	K55		MA No. N/	/A	
Remarks:						Correspondir	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	МВНК55	N/A	4739		P5032-01	Intact
Custody Records		2	МВНК56	N/A	4780		P5032-02	Intact
4. Airbill	Description	3	МВНК57	N/A	4781		P5032-03	Intact
4. ALLOIN	Present	4	МВНК58	N/A	4782		P5032-04	Intact
5. Airbill No. and	770261394005	5	МВНК59	N/A	4783		P5032-05	Intact
Shipping Container ID No.	1	6	МВНК60	N/A	4784		P5032-06	Intact
6. Shipping Container		7	MBHK61	N/A	4785		P5032-07	Intact
Temperature	Present	8	МВНК62	N/A	4790		P5032-08	Intact
Indicator Bottle		9	МВНК63	N/A	4791		P5032-09	Intact
7. Shipping Container	2.5 Degree C	10	МВНК64	N/A	4792		P5032-10	Intact
Temperature		11	МВНК65	N/A	4793		P5032-11	Intact
8. Sample	Intact	12	МВНК66	N/A	4794		P5032-12	Intact
Condition		13	МВНК67	N/A	4795		P5032-13	Intact
		14	МВНК68	N/A	4796		P5032-14	Intact
9. Sample Tags Sample Tag	Absent	15	МВНК69	N/A	4797		P5032-15	Intact
Numbers	Listed on Traffic	16	МВНК70	N/A	4798		P5032-16	Intact
10. D	Report	17	MBHK71	N/A	4799		P5032-17	Intact
10. Does information on Traffic	Yes	18	МВНК72	N/A	4750		P5032-18	Intact
Reports/Chain of Custody Records		19	MBHK72D	N/A	4750		P5032-19	Intact
and Sample Tags		20	MBHK72S	N/A	4750		P5032-20	Intact
agree ?		21	МВНК73	N/A	4751		P5032-21	Intact
<ol> <li>Date Received at Lab</li> </ol>	11/27/2024	22	МВНК74	N/A	4752		P5032-22	Intact
12.Time Received		23	N/A	N/A	N/A		N/A	N/A
12. I MIE RECEIVEU	10:05							

## \* Contact SMO and attach record of resolution

Reviewed By Logbook No. N/A Date Logbook Page No. N/A ι

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

LAB NAME	Alliance Technic	cal Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51879	SDG NO.	мвнк55
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	CH LAB	REGION
1. SDG Cover Page	1	1	1	
2. Traffic Report/Chain of Custody Record(s)	2	3	✓	
3. Sample Log-In Sheet (DC-1)	4	4	✓	·
4. CSF Inventory Sheet (DC-2)	5	7	✓	
5. SDG Narrative	8	10	✓	
6. Communication Logs	NA	NA	~	
7. Percent Solids Log	11	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	405	✓	
Other Data				
10. Standard and Reagent Preparation Logs	406	559	~	
11. Original Preparation and Cleanup forms or copies of Preparation and	560	561	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	562	583	✓	
<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 Instrument Logbooks	NA	NA	✓	
Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	·

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

			E NOs:		IECK
		FROM	TO	LAB	REGION
<b>Additional</b> 44. EPA Shipping/Receiv	ing Documents				
Airbill (No. of Shi	pments <u>1</u> )	584	584	_ ✓	
Sample Tags		NA	NA	✓	
Sample Log-In Sheet	(Lab)	585	586	~	
45. Misc. Shipping/Rece	iving Records(list all individual records)	NA	NA	~	
					. <u> </u>
46. Internal Lab Sample (describe or list)	Transfer Records and Tracking Sheets		500		
		587	588	_ ✓	
47. Other Records and r (describe or list)	elated Communication Logs				
		NA	NA	_ ✓	
48. Comments:					
Completed by:					
(CLP Lab)		dya, Document Contr	ol Officer		
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## 284 Sheffield Street Mountainside, NJ 07092

### **SDG NARRATIVE**

USEPA SDG # MBHK55 CASE # 51879 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P5032

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

20 Soil samples were delivered to the laboratory intact on 11/27/2024.

### **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: 2.5°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.



### 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 MBHK55 For Arsenic:**

If C = 0.1203315ppm Vf = 100 ml W = 1.15 g S = 0.637(63.7/100) DF = 1 Concentration (mg/kg) = 0.1203315 x 100  $1.15 \times 0.637$  x 1 = 16.42638mg/kg = 16 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 Copper, Selenium, Silver, Thallium. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Aluminum, Calcium, Cobalt, Iron, 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: 12/2/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 14:50 In Date: 11/28/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius (°C): 103 Time OUT: 08:04 Out Date: 11/29/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

**QC:**LB133674

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
P5032-01	МВНК55	1	1.15	8.62	9.77	6.64	63.7	
P5032-02	МВНК56	2	1.12	8.60	9.72	8.02	80.2	
P5032-03	МВНК57	3	1.18	8.49	9.67	8.46	85.7	
P5032-04	МВНК58	4	1.15	8.50	9.65	8.57	87.3	
P5032-05	МВНК59	5	1.19	8.62	9.81	8.96	90.1	
P5032-06	МВНК60	6	1.12	8.57	9.69	8.78	89.4	
P5032-07	МВНК61	7	1.16	8.50	9.66	9.09	93.3	
P5032-08	МВНК62	8	1.19	8.60	9.79	7.29	70.9	
P5032-09	МВНК63	9	1.19	8.63	9.82	7.68	75.2	
P5032-10	МВНК64	10	1.13	8.76	9.89	8.26	81.4	
P5032-11	МВНК65	11	1.19	8.41	9.6	8.34	85.0	
P5032-12	МВНК66	12	1.18	8.57	9.75	8.78	88.7	
P5032-13	МВНК67	13	1.15	8.44	9.59	8.74	89.9	
P5032-14	МВНК68	14	1.19	8.52	9.71	9.02	91.9	
P5032-15	МВНК69	15	1.15	8.40	9.55	7.96	81.1	
P5032-16	МВНК70	16	1.18	8.43	9.61	8.93	91.9	
P5032-17	МВНК71	17	1.18	8.40	9.58	8.86	91.4	
P5032-18	МВНК72	18	1.16	8.47	9.63	8.51	86.8	
P5032-19	MBHK72D	19	1.16	8.47	9.63	8.51	86.8	
P5032-20	MBHK72S	20	1.16	8.47	9.63	8.51	86.8	
P5032-21	МВНК73	21	1.19	8.40	9.59	8.45	86.4	
P5032-22	МВНК74	22	1.14	8.54	9.68	9.06	92.7	

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

			WORKLIST(Hard	WORKLIST(Hardcopy Internal Chain)	(L	A A	M 133674	
WorkList Name :	%1-p5032	WorkList ID :	D: 185863	Department : W	Wet-Chemistry	ă	Date: 11-28-20	11-28-2024 09:39:18
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5032-01	MBHK55							
P5032-02	MRHK56	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
P5032-03		Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
		Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chomer -
P10052-04	MBHK58	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/04/00/14	
P5032-05	MBHK59	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
	MBHK60	Solid	Percent Solids	Cool 4 deg C	USEP01	101		
P5032-07	MBHK61	Solid	Percent Solids	Cool 4 den C			11/21/2024	Chemtech -SO
P5032-08	MBHK62	Solid	Percent Solids			CZ1	11/21/2024	Chemtech -SO
P5032-09	MBHK63	Solid	Percent Solids		USEP01	C21	11/21/2024	Chemtech -SO
P5032-10	MBHK64	Solid		Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
P5032-11	MBHK65		Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
P5032-12	MBUKee	DIIOS	Percent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
DE000 10		Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	hombard C
C1-2000 1	MISHK67	Solid	Percent Solids	Cool 4 deg C	USEP01	C21	11/01/001	
41-250C-1	MBHK68	Solid	Percent Solids	Cool 4 deg C	USFP01	101	441041000.4	chemtech -SO
P5032-15	MBHK69	Solid	Percent Solids	Cool 4 dea C			11/21/2024	Chemtech -SO
P5032-16	MBHK70	Solid	Percent Solids	Cool 4 dea C	USEP01	C21	11/21/2024	Chemtech -SO
P5032-17	MBHK71	Solid	Percent Solids		USEPUT	C21	11/21/2024	Chemtech -SO
P5032-18	MBHK72	Solid	Percent Solide		USEP01	C21	11/21/2024	Chemtech -SO
P5032-19	MBHK72D			Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
P5032-20				Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
P5032-21	MBHK73			Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
Date/Time	121.21		recent Solids	Cool 4 deg C	USEP01	C21	11/21/2024	Chemtech -SO
<u>e</u>		1			Date/Time	45.8541	151	00
Raw Sample Relinquished by:	lished by:	I			Raw Sample Received by:	Received by:	8	Z
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WORKLIST

479651 (1)

	Date: 11-28-2024 09:39:18	Raw Sample Storage Collect Date Method Location		C21 11/21/2024 Chemtech _SO	
	Department : Wet-Chemistry	Customer		USEP01	
	Department :	Preservative	Cool 4 deg C		
Worklist ID · 185862	00000	Matrix Test		Solid Percent Solids	
%1-p5032		Customer Sample	MBHK74		
WorkList Name : %1-p5032		Sample	P5032-22		

Date/Time 11:28-24 13:25 Raw Sample Received by: Raw Sample Relinquished by:

151,00 CT Ceel Raw Sample Relinquished by: Date/Time レイダンり Raw Sample Received by:

Page 2 of 2