SDG COVER PAGE

		SDG COVER PA	GE			
Lab Name: Allian	ce Technical Group, LLC	Contract	: 68HERH20	0D0011		
Lab Code: ACE	Case No.: 51698	MA No.:			SDG No.: MBHCN1	-
SOW No. : SFAM01	.1					
EPA Sample No.	Lab Sample Id	ICP-AES	Analysi ICP-MS	s Method Mercury	Cyanide	
MBHCN1	P4500-01	X		X	X	
MBHCN2	P4500-02	X		X	X	
MBHCN3	P4500-03	X		X	X	
MBHCN4	P4500-04	X		X	X	
MBHCN5	P4500-05	X		X	X	
MBHCN6	P4500-06	X		X	X	
MBHCN7	P4500-07	X		X	X	
MBHCN8	P4500-08	X		Х	X	
MBHCN9	P4500-09	X		X	X	
MBHCP0	P4500-10	X		X	X	
MBHCPOD	P4500-11	X		X	X	
MBHCPOS	P4500-12	X		X	X	
MBHCP1	P4500-13	X		X	X	
MBHCP2	P4500-14	X		X	X	
МВНСР3	P4500-15	X		X	X	
MBHCP4	P4500-16	X		X	X	
MBHCP5	P4500-17	X		X	X	
МВНСР6	P4500-18	X		X	X	
MBHCP7	P4500-19	X		X	X	
MBHCX2	P4500-20	Χ		X	X	
МВНСХ3	P4500-21	X		X	X	
MBHCZ6	P4500-22	X		X	X	

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:

CarrierName: FedEx AirbillNo: 779427626095	Ex 26095			င္စ	Case #: 51698 Cooler #: 3 of 5	U O		Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	ontact: Mohammad Ahmed Lab Phone: 908-789-8900
Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	ound	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P065-SS019- 0006-01	MBHCL8	Soil/ START	Grab	Metals + Hg + Cn(180)	זי(180)	Y (4 C) (1)	Boring 19	10/18/2024 13:50	
P065-SS019- 0612-01	MBHCL9	Soil/ START	Grab	Metals + Hg + Cn(180)	1(180)	M (4 C) (1)	Boring 19	10/18/2024 13:55	
P065-SS019- 1218-01	MBHCMO	Soil/ START	Grab	Metals + Hg + Cn(180)	1(180)	M (4 C) (1)	Boring 19	10/18/2024 14:00	
P065-SS019- 1824-01	MBHCM1	Soil/ START	Grab	Metals + Hg + Cn(180)	1(180)	M (4 C) (1)	Boring 19	10/18/2024 14:05	
P065-SS019- 2430-01	MBHCM2	Soil/ START	Grab	Metals + Hg + Cn(180))(180)	M (4 C) (1)	Boring 19	10/18/2024 14:10	
P065-SS021- 0006-01	MBHCM8	Soil/ START	Grab	Metals + Hg + Cn(180)	(180)	Y (4 C) (1)	Boring 21	10/16/2024 13:40	
P065-SS021- 0612-01	MBHCM9	Soil/ START	Grab	Metals + Hg + Cn(180)	(180)	M (4 C) (1)	Boring 21	10/16/2024 13:45	
P065-SS021- 1218-01	MBHCN0	Soil/ START	Grab	Metals + Hg + Cn(180)	(180)	M (4 C) (2)	Boring 21	10/16/2024 13:50	
P065-SS021- 1824-01	MBHCN1	Soil/ START	Grab	Metals + Hg + Cn(180)	(180)	M (4 C) (1)	Boring 21	10/16/2024 13:55	١
P065-SS021- 2430-01	MBHCN2	Soil/ START	Grab	Metals + Hg + Cn(180)	(180)	M (4 C) (1)	Boring 21	10/16/2024 14:00	\
Sample(s) to be used for Lab QC: P065-SS021-1218-0 s.sumbaly@westonsolutions.com and hector.rodriguez-	id for Lab QC: F solutions.com a	2065-SS021-1218-0. Ind hector.rodriguez-	l Tag M - Sj cesani@wes	Sample(s) to be used for Lab QC: P065-SS021-1218-01 Tag M - Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.	ase email day validate	6	Shipment for Case Complete? Y Samples Transferred From Chai	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #	Custody #
Items/Reason F	Relinquished by	Relinquished by (Signature and Organization)	anization)	Date/Time	Received b	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt	1 Upon Receip
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SDG # MBHCN1

USEPA CLP COC (LAB COPY)

DateShipped: 10/22/2024

Page 1 of 3

CHAIN OF CUSTODY RECORD

No: 2-102224-0030-5005-03

Lab: Alliance Technical Group LLC

68HERH20D0011

SDG # MBHCN1

Page 2 of 3

USEPA CLP COC (LAB COPY) DateShipped: 10/22/2024 CarrierName: FedEx

AirbillNo: 779427626095

CHAIN OF CUSTODY RECORD

Case #: 51698 Cooler #: 3 of 5

No: 2-102224-0030-5005-03

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

	e Complete? Y	Shipment for Case Complete? Y	il require to	Sample(s) to be used for Lab OC: P065-SS022-1218-01 Tag M - Special Instructions: Please email results to	1 Tan M - Sp	065-SS022-1218-0	for Lab OC: P	Sample(s) to be used
١	10/17/2024 09:45	Boring 22	M (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP2	P065-SS022- 2430-01
١	10/17/2024 09:42	Boring 22	M (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP1	P065-SS022- 1824-01
Re	10/17/2024 09:36	Boring 22	M (4 C) (2)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP0	P065-SS022- 1218-01
١	10/17/2024 09:33	Boring 22	M (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN9	P065-SS022- 0612-01
١	10/17/2024 09:30	Boring 22	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN8	P065-SS022- 0006-01
X	10/16/2024 14:25	Boring 21	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN7	P065-SS021- 7890-01
X	10/16/2024 14:20	Boring 21	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN6	P065-SS021- 6678-01
`	10/16/2024 14:15	Boring 21	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN5	P065-SS021- 5466-01
X	10/16/2024 14:10	Boring 21	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN4	P065-SS021- 4254-01
۱,	10/16/2024 14:05	Boring 21	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCN3	P065-SS021- 3042-01
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier

Sample(s) to be us s.sumbaly@westo	Sample(s) to be used for Lab QC: P065-SS022-1218-01 Tag M - Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.	Special Instructions: stonsolutions.com.	6	Samples Transferre	Samples Transferred From Chain of Custody #
Analysis Key: Meta	Analysis Key: Metals + Hg + Cn=TAL Metals + Hg + Cn				
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
AllSauples	and prat V	10-22-24/1000	FedEx		
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Page 3 of 3

USEPA CLP COC (LAB COPY)

DateShipped: 10/22/2024 CarrierName: FedEx

AirbillNo: 779427626095

CHAIN OF CUSTODY RECORD

Case #: 51698 Cooler #: 3 of 5

SDG # MBHCN1

No: 2-102224-0030-5005-03

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

10/17/2024 09:36	Boring 22	Q (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCX3	P065-SS022- 1218-02
10/16/2024 13:50	Boring 21	Q (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCX2	P065-SS021- 1218-02
10/17/2024 09:58	Boring 22	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP7	P065-SS022- 7890-01
10/17/2024 09:56	Boring 22	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP6	P065-SS022- 6678-01
10/17/2024 09:53	Boring 22	Y (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP5	P065-SS022- 5466-01
10/17/2024 09:51	Boring 22	U (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP4	P065-SS022- 4254-01
10/17/2024 09:48	Boring 22	Q (4 C) (1)	Metals + Hg + Cn(180)	Grab	Soil/ START	MBHCP3	P065-SS022- 3042-01
Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier

Special Instructions: F 21 day validated TAT	Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.	ions.com and hec		Shipment for Case Complete? Y Samples Transferred From Chai	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: Met	Analysis Key: Metals + Hg + Cn=TAL Metals + Hg + Cn				
Items/Reason	Items/Reason Relinquished by (Signature and Organization) Date/Time	Date/Time	Received by (Signature and Organization)	Date/Time	Date/Time Sample Condition Upon Receipt

		Murches	Items/Reason
		Sent /	Relinquished by (Signature and Organization)
		10220/1000	Date/Time
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Page 4 of 4 USEPA CLP COC (LAB COPY)

DateShipped: 10/22/2024 CarrierName: FedEx AirbillNo: 779427608339

CHAIN OF CUSTODY RECORD

Case #: 51698 Cooler #: 2 of 5

SDG # MBHCN1

No: 2-102224-0030-5005-02 Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

Sample Identifier	CLP	Matrix/Sampler	Coll.	Analysis/Turnaround	Tag/Preservative/Bottles	Location	Collection	For Lab Use
P065-SS013- 1218-02	MBHCZ6	Soil/ START	Grab	Metals + Hg + Cn(180)	Q (4 C) (1)	Boring 13	10/18/2024 11:50).
Special Instructions: 21 day validated TAT	Please email re	sults to s.sumbaly€	3) westonsolutic	ons.com and hector.rodriguez-	Special Instructions: Please email results to s.sumbaly@westonsolutions.com and hector.rodriguez-cesani@westonsolutions.com. 21 day validated TAT.	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #	PComplete? Y red From Chain of C	Sustody #
Analysis Key: Metals + Hg + Cn=TAL Metals + Hg + Cn	+ Hg + Cn=TA	L Metals + Hg + Cn						

		1	AllSungles	Items/Reason
			Start V	Relinquished by (Signature and Organization)
		/	10-22.24/1 Vas	Date/Time
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		10-23-24 JAC		Date/Time
Thus and-mesert-	windy sols what	日のとう		Sample Condition Upon Receipt

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	LLC	2			Page 1_of	L	
Received By (Pr	int Name) 600	C.C. 1	JEGUAN			Log-in Date	10/23/2	2024
Received By (Si	gnature)	X	1					
Case Number	51698	SDG	No. MBHC	N1		MA No. N/	A	
	1		1	1	1			1
Remarks:						Correspondir	ng	Demoder
1. Custody Seal (s)	Present, Intact			Aqueous	5/			Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned Lab #	of Sample Shipment, etc.
 Traffic Reports/Chain Of 	Present	1	MBHCN1	Ń/A	м		P4500-01	Intact
Custody Records		2	MBHCN2	N/A	м		P4500-02	Intact
4. Airbill	Duccont	3	МВНСИЗ	N/A	Y		P4500-03	Intact
4. Altoni	Present	4	MBHCN4	N/A	Y		P4500-04	Intact
5. Airbill No. and	779427626095	5	MBHCN5	N/A	Y		P4500-05	Intact
Shipping Container ID No.	1	6	MBHCN6	N/A	Y		P4500-06	Intact
		7	MBHCN7	N/A	Y		P4500-07	Intact
6. Shipping Container Temperature	Present	8	MBHCN8	N/A	Y		P4500-08	Intact
Indicator Bottle		9	MBHCN9	N/A	м		P4500-09	Intact
7. Shipping Container	2.3 Degree C	10	МВНСРО	N/A	м		P4500-10	Intact
Temperature	<u>2.5 Bogico 0</u>	11	MBHCPOD	N/A	м		P4500-11	Intact
8. Sample	Intact	12	MBHCPOS	N/A	м		P4500-12	Intact
Condition		13	MBHCP1	N/A	м		P4500-13	Intact
		14	МВНСР2	N/A	м		P4500-14	Intact
9. Sample Tags	Absent	15	МВНСРЗ	N/A	Q		P4500-15	Intact
Sample Tag Numbers	Listed on Traffic	16	МВНСР4	N/A	U		P4500-16	Intact
	Report	17	МВНСР5	Ń/A	Y		P4500-17	Intact
 Does information on Traffic 	Yes	18	МВНСР6	N/A	Y		P4500-18	Intact
Reports/Chain of		19	МВНСР7	N/A	Y		P4500-19	Intact
Custody Records and Sample Tags		20	МВНСХ2	N/A	Q		P4500-20	Intact
agree ?		21	МВНСХЗ	N/A	Q		P4500-21	Intact
11. Date Received at	10/23/2024	22	N/A	N/A	N/A		N/A	N/A
Lab	+0/20/2027	23	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:50							

* Contact SMO and attach record of resolution

Reviewed By	(K,	Logbook No.	N/A
Date	10 23 24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical G	Page_2_of_2	
Received By (Print Name)	Sonse NESMON	Log-in Date 10/23/2024
Received By (Signature)		
Case Number 51698	SDG No. MBHCN1	MA No. N/A

Remarks:					Correspondi	ng	
1. Custody Seal (s)	Present, Intact			Aqueous			Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>		EPA Sample #	Water Sample pH	Sample Tag #	Assigned	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MBHCZ6	N/A	Q	P4500-22	Intact
Custody Records		2	N/A	N/A	N/A	N/A	N/A
4. Airbill	Dresent	3	N/A	N/A	N/A	N/A	N/A
4. Alton	Present	4	N/A	N/A	N/A	N/A	N/A
J Airbill No. and	779427608339	5	N/A	N/A	N/A	N/A	N/A
Shipping Container ID No.	2	6	N/A	N/A	N/A	N/A	N/A
6		7	N/A	N/A	N/A	N/A	N/A
 Shipping Container Temperature 	Present	8	N/A	N/A	N/A	N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A	N/A	N/A
7. Shipping Container	2.1 Degree C	10	N/A	N/A	N/A	N/A	N/A
Temperature	<u>2.1 Bogroo 0</u>	11	N/A	N/A	N/A	N/A	N/A
8. Sample	Intact	12	N/A	N/A	N/A	N/A	N/A
Condition		13	N/A	N/A	N/A	N/A	N/A
		14	N/A	N/A	N/A	N/A	N/A
9. Sample Tags	Absent	15	N/A	N/A	N/A	N/A	N/A
Sample Tag Numbers	Listed on Traffic	16	N/A	N/A	N/A	N/A	N/A
	Report	17	N/A	N/A	N/A	N/A	N/A
0. Does information on Traffic	Yes	18	N/A	N/A	N/A	N/A	N/A
Reports/Chain of		19	N/A	N/A	N/A	N/A	N/A
Custody Records and Sample Tags		20	N/A	N/A	N/A	N/A	N/A
agree?		21	N/A	N/A	N/A	N/A	N/A
1. Date Received at	10/23/2024	22	N/A	N/A	N/A	N/A	N/A
Lab	10/23/2024	23	N/A	N/A	N/A	N/A	N/A
12.Time Received	09:50						

* Contact SMO and attach record of resolution

Reviewed By	W.	Logbook No.	N/A
Date	0/28/24	Logbook Page No.	N/A
15	· · · / /		

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

LAB NAME	Alliance Techni	cal Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51698	SDG NO.	MBHCN1
MA NO.		SOW NO.	SFAM01.1

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

	PAGE NOs:		CH	CHECK		
	FROM	ТО	LAB	REGION		
1. SDG Cover Page	1	1	✓			
2. Traffic Report/Chain of Custody Record(s)	2	5	✓			
3. Sample Log-In Sheet (DC-1)	6	7	✓			
4. CSF Inventory Sheet (DC-2)	8	10	✓			
5. SDG Narrative	11	14	✓			
6. Communication Logs	NA	NA	✓			
7. Percent Solids Log	15	17	✓			
Analysis Forms and Data (ICP-AES)						
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	18	37	✓			
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	38	550	✓			
Other Data						
10. Standard and Reagent Preparation Logs	551	719	1			
11. Original Preparation and Cleanup forms or copies of Preparation and	720	721	✓			
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or	722	740	✓	·		
Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓			
Instructions 14. Extraction Logs for TCLP and SPLP	NA	NA	✓			
15. Raw GPC Data	NA	NA	✓			
16. Raw Florisil Data	NA	NA	✓			
Analysis Forms and Data (ICP-MS)						
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA	✓			
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	NA	NA	✓			
Other Data						
19. Standard and Reagent Preparation Logs	NA	NA	1			
20. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	✓	·		
Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓			
Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	1			

23. Extraction logs for TCLP and SPLP PROM TO LAB RESIGN 24. Raw GPC Data NA NA NA NA NA 25. Raw Florisil Data NA NA NA NA NA 25. Raw Florisil Data NA NA NA NA NA 26. Sample Analysis Data Porms (IA-OR, IB-OR, and I-TN) for each sample or sample analysis, laboratory QC as applicable 741 760 ✓ 27. Instrument raw data by instrument in analysis order 761 763 ✓		PAGE	NOs:	CH	ECK
24. Raw GPC Data NA NA ✓ 25. Raw Florisil 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 741 760 ✓ 27. Instrument raw data by instrument in analysis order 761 763 ✓ 28. Standard and Reagent Preparation Logs 764 793 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup forms or copies of Analysis or Instrument Logbooks 796 799 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 796 799 ✓ 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-IN) for each sample analysis, laboratory QC as applicable 300 819 ✓ 36. Instrument raw data by instrument in analysis order 820 821 ✓ 37. Standard and Reagent Preparation Logs <t< th=""><th></th><th>FROM</th><th>TO</th><th>LAB</th><th>REGION</th></t<>		FROM	TO	LAB	REGION
25. Raw Florisil Data NA NA NA Analysis Forms and Data (Mercury) 26. Sample Analysis Laboratory QC as applicable 741 760 ✓ 27. Instrument raw data by instrument in analysis order 761 763 ✓ 28. Standard and Reagent Preparation Logs 764 793 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 774 795 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 776 799 ✓ 31. Performance Evaluation (EE)/Proficiency Testing (PT) Sample Instrument Logbooks NA NA ✓ 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) 3524 ✓ ✓ ✓ 35. Sample Analysis, Laboratory QC as applicable 820 824 ✓ ✓ 36. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 820 824 ✓ ✓ 37. Standard and	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 741 760 ✓ 27. Instrument raw data by instrument in analysis order 761 763 ✓ Other Data 28. Standard and Reagent Preparation Logs 764 793 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 794 795 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 796 799 ✓ 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 Plorisil Data NA NA ✓ Analysis Forms and Data (Cyanide) 800 819 ✓ 35. Sample Analysis, laboratory QC as applicable or sample analysis, laboratory QC as applicable 820 824 ✓ 36. Instrument raw data by instrument in analysis order 820 824 ✓ 37. Standard and Reagent Preparation Logs 825 856 ✓ ✓	24. Raw GPC Data	NA	NA	✓	
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	43. Raw Florisil Data	NA	NA	✓	

		PAGE	NOs:	CH	IECK
	_	FROM	TO	LAB	REGION
Additional 44. EPA Shipping/Receiving Documents					
Airbill (No. of Shipments)	_	861	862	✓	
Sample Tags		NA	NA	✓	
Sample Log-In Sheet (Lab)		863	865	✓	
45. Misc. Shipping/Receiving Records(list all individual rec	ords)	NA	NA	~	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)		866	871		
47. Other Records and related Communication Logs (describe or list)		NA	NA		
48. Comments:					
	a Pandya, Document	Control	Officer		
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284 Sheffield Street Mountainside, NJ 07092

SDG NARRATIVE

USEPA SDG # MBHCN1 CASE # 51698 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4500

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 10/23/2024.

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, Mercury, Cyanide.

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.3°C, 2.1°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue 1 : A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

E. Corrective Action taken for above:

Resolution 1 : To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method SFAM01.1.

Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.



284 Sheffield Street Mountainside, NJ 07092 G. Calculation:

Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

Concentration (mg/kg) =
$$C \times \frac{Vf}{W \times S} \times DF$$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
W = Initial aliquot amount (g) (Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Example Calculation For Sample MBHCN1 For Antimony:

If C = 0.0045792 ppm Vf = 100 ml W = 1.34gS = 0.788(78.8/100)DF = 1

Concentration (mg/kg) = $0.0045792 \text{ x} \frac{100}{1.34 \text{ x} 0.788} \text{ x} 1$

= 0.4336 mg/kg

= 0.43 mg/kg (Reported Result with Signification)

Calculation for Hg Soil Sample:

Conversion of Results from $\mu g / L$ or ppb to mg/kg :

Concentration (mg/kg) =
$$C \times Vf = Vf = Vf + 1000$$

W x S

Where,

C = Instrument response in µg/L from the calibration curve.
 Vf = Final prepared (absorbing solution) volume (mL)
 W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
 S = % Solids / 100 (Fraction of Percent Solids)
 DF = Dilution Factor



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Example Calculation For Sample MBHCN1:

If C =1.6186 ppb Vf = 100 mL W = 0.53g S = 0.788(78.8/100) DF = 1 Concentration (mg/kg) = $1.6186 - \frac{100}{0.53 \times 0.788} \times 1 / 1000$ = 0.3875 mg/kg

= 0.39 mg/kg (Reported Result with Signification)

Calculation for CN Soil Sample:

Conversion of Results from $\mu g / L$ or ppb to mg/kg:

Concentration (mg/kg) = $C \times Vf = Vf + 1000$ W x S

Where,

C = Instrument response in μg/L CN from the calibration curve.
 Vf = Final prepared (absorbing solution) volume (mL)
 W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
 S = % Solids / 100 (Fraction of Percent Solids)
 DF = Dilution Factor

Example Calculation For Sample MBHCN1:

If C = 6.3628 ppb
Vf = 50 ml
W = 1.05 g
S = 0.788(78.8/100)
DF = 1
Concentration (mg/kg) =
$$6.3628 \times \frac{50}{1.05 \times 0.788} \times 1 / 1000$$

= 0.3845 mg/kg
= 0.39 mg/kg (Reported Result with Signification)



284 Sheffield Street Mountainside, NJ 07092

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, Lead, Thallium. Duplicate sample did meet requirements except for Barium, Calcium, Cobalt, Manganese and Nickel. Serial Dilution did meet requirements.

Some samples have % solids results less than 50% but more than 30%. Please see below table for detail. Laboratory has processed these samples according to the SFAM01.1 SOW, Exhibit D, sections 10.1.1.8.

EPA Sample ID	% Solids
MBHCP7	32.4

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_____ Na

Name: Nimisha Pandya

Date _____

Title: Document Control Officer



PERCENT SOLID

Supervisor: Iwona Analyst: jignesh Date: 10/25/2024

OVENTEMP IN Celsius(°C): 107 Time IN: 13:10 In Date: 10/24/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius (°C): 103 Time OUT: 07:47 Out Date: 10/25/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

QC:LB133095

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
P4500-01	MBHCN1	1	1.12	8.77	9.89	8.03	78.8	
P4500-02	MBHCN2	2	1.15	8.83	9.98	8.2	79.8	
P4500-03	МВНСИЗ	3	1.14	8.83	9.97	8.2	80.0	
P4500-04	MBHCN4	4	1.16	8.56	9.72	7.6	75.2	
P4500-05	MBHCN5	5	1.14	8.80	9.94	8.17	79.9	
P4500-06	MBHCN6	6	1.12	8.87	9.99	7.93	76.8	
P4500-07	MBHCN7	7	1.16	8.47	9.63	6.34	61.2	
P4500-08	MBHCN8	8	1.15	8.82	9.97	8.59	84.4	
P4500-09	MBHCN9	9	1.15	8.81	9.96	8.45	82.9	
P4500-10	МВНСР0	10	1.17	8.60	9.77	8.16	81.3	
P4500-11	MBHCPOD	11	1.17	8.60	9.77	8.16	81.3	
P4500-12	MBHCPOS	12	1.17	8.60	9.77	8.16	81.3	
P4500-13	MBHCP1	13	1.16	8.74	9.9	8.12	79.6	
P4500-14	MBHCP2	14	1.18	8.45	9.63	7.67	76.8	
P4500-15	МВНСРЗ	15	1.18	8.55	9.73	8.2	82.1	
P4500-16	MBHCP4	16	1.12	8.71	9.83	7.79	76.6	
P4500-17	МВНСР5	17	1.17	8.53	9.7	6.95	67.8	
P4500-18	MBHCP6	18	1.15	8.84	9.99	7.47	71.5	
P4500-19	МВНСР7	19	1.17	8.40	9.57	3.89	32.4	
P4500-20	MBHCX2	20	1.19	8.46	9.65	8.57	87.2	
P4500-21	МВНСХЗ	21	1.11	8.77	9.88	8.28	81.8	
P4500-22	MBHCZ6	22	1.15	8.80	9.95	8.61	84.8	

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

		-	WORKLIST(Hardo	WORKLIST(Hardcopy Internal Chain)		30069 CM	560	
WorkList Name :	%1-p4500	WorkList ID :	: 184734	Department : Wet-C	Wet-Chemistry	Da	Date: 10-24-20;	10-24-2024 10:29:50
Sample	Customer Sample	Matrix .	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4500-01	MBHCN1	Solid	Percent Solide					
P4500-02	MBHCN2		Derront Colido		USEP01	Q11	10/16/2024	Chemtech -SO
P4500-03	MBHCN3			Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4500-04	MBHCN4		Fercent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4500-05	MBHCN5		Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4500-06	MBHCNS		Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4500-07	MBHCN7		Percent Solids	Cool 4 deg C	USEP01	a11	10/16/2024	Chemtech -SO
P4500-08	MBHCN		Percent Solids	Cool 4 deg C	USEP01	Q11	10/16/2024	Chemtech -SO
P4500-00	MDHCNO		Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
D1600 10			Percent Solids	Cool 4 deg C	USEP01	a11	10/17/2024	Chemtech -SO
D1500-10	WBHCP0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemtech -SO
D4500 40	MBHCP0D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	Chemterh_SO
Z1-0064-1	MBHCP0S	Solid P	Percent Solids	Cool 4 deg C	USEP01	Q11	10/17/2024	
P4500-13	MBHCP1	Solid P	Percent Solids	Cool 4 deg C	USEP01	011	10/17/2024	
P4500-14	MBHCP2	Solid P	Percent Solids	Cool 4 deg C	USEP01	011	10/17/2024	Criemtecn -SO
P4500-15	MBHCP3	Solid P	Percent Solids	Cool 4 dea C	LISEDOI		10/1//2024	Chemtech -SO
P4500-16	MBHCP4	Solid P	Percent Solids	Cool 4 deg C	USEP01	011	4202/7 L/01	Chemtech -SO
P4500-17	MBHCP5	Solid P	Percent Solids	Cool 4 deg C	USEP01	011	10/17/2024	
P4500-18	MBHCP6	Solid P	Percent Solids	Cool 4 deg C	USEP01	011		
P4500-19	MBHCP7	Solid P	Percent Solids	Cool 4 deg C	USEP01	011		
P4500-20	MBHCX2	Solid P.	Percent Solids	Cool 4 dea C		5	- 11	Chemtech -SO
P4500-21	MBHCX3	Solid P.	Percent Solids	Conl 4 den C			- 1	Chemtech -SO
Data/Time \41)	6 7 6 97 97 19 19				USEPUT	a11	10/17/2024	Chemtech -SO
e R		1			Date/Time	42142101	13:15	15
Raw Sample Relinquished by:		1			Raw Sample Received by:	sceived by:	Jun/sm	(11
			Page 1 of 2	2	raw sample Ke	raw sample Kelinquished by:	70 he	her (

Chain)
Internal
Hardcopy
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2 POEER CV

	Date: 10-24-2024 10:29:50	Raw Sample Storage Collect Date Method Location		11 10/18/2024 Chamtech SO	
-	Department : Wet-Chemistry	R Customer St Lo		USEP01 Q11	
	Department :	Preservative		Cool 4 deg C	
	WorkList ID: 184734	Matrix Test		Solid Percent Solids	
	%1-p4500	Customer Sample	MBHC76	010	
	WorkList Name: %1-p4500	Sample	P4500-22		

2 A ohiel Cerc 70 Date/Time 10 (24 () Raw Sample Relinquished by: Raw Sample Received by:

hell 4 /S 22 13 . 15 Raw Sample Relinquished by: Date/Time U/24/24 Raw Sample Received by:

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