SDG COVER PAGE

Lab Name:	Alliance	Technical Group, LLC	Contract	68HERH2	0D0011	
Lab Code:	ACE	Case No.: 51810	MA No.:			SDG No.: MCOVH4
SOW No. :	SFAM01.1					
				Analysi	ls Method	
EPA Sample	e No.	Lab Sample Id	ICP-AES	ICP-MS	Mercury	Cyanide
MCOVH4		P4656-01	X		X	
MCOVJO		P4656-02	X		X	
MCOVMO		P4656-03	X		Х	
MCOVMOD		P4656-04	Х		Х	
MCOVMOS		P4656-05	X		Х	
MC0VM6		P4656-06	X		Х	
MCOVM7		P4656-07	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:

י עוסט Receipt 2. ץ י	Cushely S							
1 Upon Receipt	FR (a-tt)	10-31-24	R	101301241 142100	io/30	Urgeleth Douglatives	hupple	COL COL
	Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	Date/Time Received I		Relinquished by (Signature and Organization)	linquished by (S	Items/Reason Re
					Aetais + Hg	Analysis Key: Hg=CLP Mercury, ICP-AES=CLP ICP-AES Metals + Hg	Mercury, ICP-A	nalysis Key: Hg=CLF
Custody #	ed From Chain of (Samples Transferred From Chain of Custody #	Special Instructions: Alliance Mercury + Metals 1			+ Metals 1	Miance Mercury	pecial Instructions: A
	Complete? N	Shipment for Case Complete? N		1150 FA0019_CR Tan 11	A0019-FY Tan	0019-EY Tag 1141 F	for Lab QC: EAC	ample(s) to be used
				w. 13				
9	10/30/2024 14:45	0022	• 1158 (<6C) (1)	ICP-AES(21)	Grab	-	MCOVJO	EA0022-GB
5	10/30/2024 14:35	0019	 1154 (<6C) (1) 	Hg(21)	Composite	-	MCOVH9	EA0022-EY
`	10/30/2024 14:07	0019		Hg(21)	Composite	Soil START O	MCOVH6	EA0019-EY
$\overline{\mathbb{C}}$	10/30/2024 11:47	0015	 1134 (<6C) (1) 	ICP-AES(21)	Grab		MCOVH4	EA0015-GB-DUP
)	10/30/2024 13:16	0017	` *	ICP-AES(21)	Grab .	Soil/ START	MCOVH3	EA0017-GB
	10/30/2024 11:47	0015	a 1130 (<6C) (1)	ICP-AES(21)	Grab	Soil/ START	MC0VH2	EA0015-GB
	10/30/2024 10:41	0013	1128 (<6C) (1)	ICP-AES(21)	Grab	-	MCOVH1	EA0013-GB
For Lab Use Only	Collection Date/Time	Location	g/	Analysis/Turnaround (Days)		Matrix/Sampler	CLP Sample No.	Sample Identifier
Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900		310	Case #: 51810 Cooler #:			5128	CarrierName: Led 05 AirbillNo: 779632145128
No: 3-102924-161112-0004	No: 3-102924		YY RECORD	CHAIN OF CUSTODY RECORD			(LAB COPY)	USEPA CLP COC (LAB COPY) DateShipped: 10/30/2024

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SDG # MC0VH4

Page 2 of 2

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+	Then	9:40						3	
	2.5.5	11/2/24	Non	~	(100) (100)	7	eastern	light teaselow	Ce
Jpon Receip	Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	Φ		l Organizati	Relinquished by (Signature and Organization)	Relinquished by	Items/Reason
				*	ils + Hg	P-AES Meta	P-AES=CLP ICI	LP Mercury, IC	Analysis Key: Hg=CLP Mercury, ICP-AES=CLP ICP-AES Metals + Hg
stody #	Samples Transferred From Chain of Custody #	Samples Transferred From Chai	Sample(s) to be used for Lab QC: EA0030-EY Tag 1195, EA0030-EY Tag 1198, EA0030-GB Tag 1260 - Special Instructions: Alliance Metals 4	3, EA0030-GB Tag 1	030-EY Tag 119	1195, EA0	EA0030-EY Tag	ed for Lab QC: I	ample(s) to be use lliance Metals 4
	Complete 2 N	Shinmont for Case							
C	10/31/2024 16:55	0036	1272 (<6C) (1)	ICP-AES(21)		Grab	Soil/ START	MCOVM6	EA0036-GB
0.00	10/31/2024 10:30	0030	1260 (<6C) (1)	ICP-AES(21)		Grab	Soil/ START	MCOVMO	EA0030-GB
	10/31/2024 15:40		1233 (<6C) (1)	Hg(21)	osite	- Composite	Soil/ START	MCOVK9	EA0034-EY-DUP
	10/31/2024 16:55	0037	1229 (<6C) (1)	Hg(21)	osite	Composite	Soil/ START	MC0VK8	EA0037-EY
	10/31/2024 16:45		1225 (<6C) (1)	Hg(21)	osite	Composite	Soil/ START	MCOVK7	EA0036-EY
	10/31/2024 15:44		1221 (<6C) (1)	Hg(21)	osite		Soil/ START	MCOVK6	EA0035-EY
	10/31/2024 15:40	0034	1217 (<6C) (1)	Hg(21)	osite	Composite	Soil/ START	MC0VK5	EA0034-EY
	10/31/2024 14:50		1213 (<6C) (1)	Hg(21)	osite	Composite	Soil/ START	MC0VK4	EA0033-EY
	10/31/2024 11:30		1209 (<6C) (1)	Hg(21)	osite	r Composite	Soil/ START	MC0VK3	EA0032-EY
	10/31/2024 14:40		1204 (<6C) (1)	Hg(21)	osite		Soil/ START	MC0VK2	EA0031-EY
	+	0024	1200 (<6C) (1)	Hg(21)	osite	T Composite	Soil/ START	MC0VK1	EA0024-EY
2	-		1195 (<6C), 1198 (<6C) (2)	Hg(21)	osite		Soil/ START	MCOVKO	EA0030-EY
	10/31/2024 12:50	0029	1191 (<6C) (1)	Hg(21)	osite	_	Soil/ START	MCOVJ9	EA0029-EY
	10/31/2024 09:20	0028	1187 (<6C) (1)	Hg(21)	osite		Soil/ START	MCOVJ8	EA0028-EY
	10/31/2024 13:13	0027	1183 (<6C) (1)	Hg(21)	osite		Soil/ START	MC0VJ7	EA0027-EY
	10/31/2024 08:30	0026	1179 (<6C) (1)	Hg(21)	oosite		Soil/ START	MCOVJ6	EA0026-EY
	10/31/2024 12:04	0025	1175 (<6C) (1)	Hg(21)	oosite	_	Soil/ START	MCOVJ5	EA0025-EY
	10/31/2024 11:15	0023	1171 (<6C) (1)	Hg(21)	Composite		Soil/ START	MC0VJ4	EA0023-EY
•	10/31/2024 09:30	0021	1167 (<6C) (1)	Hg(21)	Composite		Soil/ START	MC0VJ3	EA0021-EY
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Anat Method		Matrix/Sampler	r CLP Sample No.	Sample Identifier
Lab Phone: 908-789-8900	Lab Phone:			Cooler #:				020010	
			•					337040	A
	hand bemmedow Wohammad Ahmed		810	Case #: 51810				Ĕ	Camername: redEx

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Page 1 of 2

USEPA CLP COC (LAB COPY) DateShipped: 11/1/2024

CHAIN OF CUSTODY RECORD

SDG # MC0VH4

68HERH20D0011

No: 3-110124-084507-0019

No: 3-110124-084507-Lab: Alliance Technical Group Lab Contact: Mohammad A Lab Phone: 908-789 Location Collection Date/Time For Lab Phone: 908-789 0037 10/31/2024 17:05 3, QA 11/01/2024 08:00 4 Independent 11/01/2024 08:00 4 Shipment for Case Complete? N Samples Transferred From Chain of Custody #	Analysis Key: Hg=CLP Mercury, ICP-AES=CLP ICP-AES Metats + Hg Items/Reason Relinquished by (Signature and Organization) Date/Time Received by (Signature and Organization) Date/Time	Sample IdentifierCLP Sample No.Matrix/Sampler MethodColl. MethodAnalysis/Turnaround (Days)Tag/Preservative/BottlesLocationEA-RB03- 20241101MCOVM8Blank Water/GrabICP-AES(21)1274 (-6C) (1)0037EA-RB03- 20241101Blank Water/Samily SizeICP-AES(21)1279 (HNO3 pH-2, -6C) (1)0037EA-RB03- 20241101Samily SizeSamily SizeSamily SizeSamily Size0037EA-RB03- 20241101Blank Water/Samily SizeSamily SizeSamily Size0037EA-RB03- 20241101Samily SizeSamily SizeSamily SizeSamily Size0037EA-RB03- 20241101Blank Water/Samily SizeSamily SizeSamily Size0037EA-RB03- 20241101Blank Water/Samily SizeSamily SizeSamily Size0037EA-RB03- 20241101Blank Water/Samily SizeSamily SizeSamily Size0037EA-RB03- 20241101Samily SizeSamily SizeSamily SizeSamily Size0037EA-RB03- 20241101Samily SizeSamily SizeSamily SizeSamily SizeSamily Size0037EA-RB03- SizeSamily SizeSamily SizeSamily SizeSamily SizeSamily SizeSamily SizeSamily SizeSizeSamily SizeSamily SizeSamily SizeSamily SizeSamily SizeSamily SizeSamily SizeSizeSamily SizeSamily SizeSamily SizeSamily SizeSamily Size <td< th=""><th>USEPA CLP COC (LAB COPY) CHAIN OF CUSTODY RECORD DateShipped: 11/1/2024 CarrierName: FedEx CarrierName: FedEx Case #: 51810 AirbillNo: 779673325018 Cooler #:</th></td<>	USEPA CLP COC (LAB COPY) CHAIN OF CUSTODY RECORD DateShipped: 11/1/2024 CarrierName: FedEx CarrierName: FedEx Case #: 51810 AirbillNo: 779673325018 Cooler #:
	. 2		

Page 2 of 2

68HERH20D0011

SDG # MC0VH4

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FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Allia	nce Technical Group,	LL	С	0			Page_1_of_	$\underline{\nu}$	
Received By (Pri	nt Name)	2 1	2.	Keré			Log-in Date	10/31/2	024
Received By (Sig				197.00					
Case Number	51810	S	DG N	No. MCOVH	14		MA No. N//	٩	
Remarks:							Correspondin	g	
1. Custody Seal (s)	Present, Intact				Aqueous	r			Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>			EPA Sample #	Water Sample pH	Sam Tag	-	Assigned Lab #	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	[1	MC0VH4	N/A	1134		P4656-01	Intact
Custody Records			2	MC0VJ0	N/A	1158		P4656-02	Intact
4.4111			3	N/A	N/A	N/A		N/A	N/A
4. Airbill	Present		4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and	779632145128		5	N/A	N/A	N/A		N/A	N/A
Shipping Container ID No.	1		6	N/A	N/A	N/A		N/A	N/A
			7	N/A	N/A	N/A		N/A	N/A
6. 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	2,4 Degree C		10	N/A	N/A	N/A		N/A	N/A
Temperature	2.4 Degree C		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	L	16	N/A	N/A	N/A		N/A	N/A
	Report		17	N/A	N/A	N/A		N/A	N/A
10. 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
11. Date Received at	10/21/2024		22	N/A	N/A	N/A		N/A	N/A
Lab	10/31/2024		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:45								

* Contact SMO and attach record of resolution

Reviewed By	K	Logbook No.	N/A
Date	10/31/24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Allia	ance Technical Group	, Ll	C				Page_2_of_	2	
Received By (Pr	int Name) Goose	. 1	Dro	W N			Log-in Date	11/2/20	24
Received By (Sig	gnature)	V		40)0					
Case Number	51810	s	DG	No. MCOV	/H4		MA No. N/	A	
	T	- 		1		1			-
Remarks:		-					Correspondir	ng	
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 Lab #	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	[1	мсоумо	N/A	1260		P4656-03	Intact
Custody Records			2	MCOVMOD	N/A	1260		P4656-04	Intact
4. Airbill	Dracant	1 [3	MCOVMOS	N/A	1260		P4656-05	Intact
-, Albin	Present		4	MC0VM6	N/A	1272		P4656-06	Intact
5. Airbill No. and	779673325018][5	MC0VM7	N/A	1274		P4656-07	Intact
Shipping Container ID No.	2		6	N/A	N/A	N/A		N/A	N/A
6 Shinning Container		1	7	N/A	N/A	N/A		N/A	N/A
6. 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	2.4 Degree C	1	10	N/A	N/A	N/A		N/A	N/A
Temperature			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 Sample Tag	Absent		15	N/A	N/A	N/A		N/A	N/A
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
 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
11. Date Received at	11/02/2024		22	N/A	N/A	N/A		N/A	N/A
Lab			23	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:40								

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	11/2/24	Logbook Page No.	N/A

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

LAB NAME	Alliance Techni	.cal Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51810	SDG NO.	MC0VH4
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	IECK
	FROM	TO	LAB	REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	4	√	
3. Sample Log-In Sheet (DC-1)	5	6	√	·
4. CSF Inventory Sheet (DC-2)	7	9	~	
5. SDG Narrative	10	12	~	
6. Communication Logs	NA	NA	1	
7. Percent Solids Log	13	14	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	15	19	✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	20	375	✓	
Other Data				
10. Standard and Reagent Preparation Logs	376	525	~	
11. Original Preparation and Cleanup forms or copies of Preparation and	526	527	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or	528	539	✓	
Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	NA	NA	1	
15. Raw GPC Data	NA	NA	✓	
16. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (ICP-MS)				
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA	✓	
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
19. Standard and Reagent Preparation Logs	NA	NA	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	_✓	
Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

23. Extraction Logs for TCLF and SPLP NA YA YA YA YA 24. Naw OFC Data NA NA Y		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-TN) for each sample or sample analysis, laboratory QC as applicable 540 544 ✓ 27. Instrument raw data by instrument in analysis order 545 547 ✓ Other Data 28. Standard and Reagent Preparation Logs 548 573 ✓ 28. Standard and Reagent Preparation Logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 576 579 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 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 ✓ 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-TN) for each sample or sample analysis, laboratory QC as ap		FROM	TO	LAB	REGION
25. Raw Florisil Data NA NA V Analysis Forms and Data (Mercury) 26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-TN) for each sample or sample analysis, laboratory QC as applicable 540 544 ✓ 27. Instrument raw data by instrument in analysis order 545 547 ✓ Other Data 28. Standard and Reagent Preparation Logs 548 573 ✓ 28. Standard and Reagent Preparation Logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 576 579 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instrument Logbooks NA NA ✓ 32. Extraction Logs for TCLP and SPLP NA NA ✓ 33. Raw GPC Data NA NA ✓ Analysis Forms and Data (Cyanide) 35. Sample Analysis, Laboratory QC as applicable NA NA ✓ 36. Original Preparation and Cleanup forms or copies of A	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 540 544 ✓ 27. Instrument raw data by instrument in analysis order 545 547 ✓ Other Data 28. Standard and Reagent Preparation Logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 576 579 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 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, 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 NA ✓ 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks <td< td=""><td>24. Raw GPC Data</td><td>NA</td><td>NA</td><td>✓</td><td></td></td<>	24. Raw GPC Data	NA	NA	✓	
26. Sample Analysis Data Forms (IA-OR, IB-OR, and I-IN) for each sample 540 544 ✓ 27. Instrument raw data by instrument in analysis order 545 547 ✓ Other Data 28. Standard and Reagent Preparation logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 574 575 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions 576 579 ✓ 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 (IA-OR, IB-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 ✓ 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA ✓ 39. Original Preparation and C	25. Raw Florisil Data	NA	NA	✓	
or sample analysis, laboratory QC as applicable 545 547 ✓ 27. Instrument raw data by instrument in analysis order 545 547 ✓ Other Data 28. Standard and Reagent Preparation Logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 574 575 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 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 ✓ Analysis Forms and Data (Cyanide) Standard and Reagent Preparation Logs NA NA ✓ 35. Sample Analysis Data Forms (IA-OR, IB-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 ✓ 38. Original Preparation and Cleanup forms or copies of Prepara	Analysis Forms and Data (Mercury)				
27. Instrument raw data by instrument in analysis order 545 547 ✓ Other Data 28. Standard and Reagent Preparation Logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 574 575 ✓ 29. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 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 ✓ Analysis Forms and Data (Cyanide) NA NA ✓ 35. 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 ✓ 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 Instr		540	544	✓	
28. Standard and Reagent Preparation Logs 548 573 ✓ 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 574 575 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions 576 579 ✓ 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 ✓ Analysis Data Forms (IA-OR, 1B-OR, and 1-IN) for each sample on 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 ✓ ✓ 38. 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 ✓ 31. Extraction Logs for TCLP and SPLP NA NA ✓ ✓ 34. Original Analysis or Instr		545	547	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 574 575 ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 576 579 ✓ 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 ✓ Analysis Forms and Data (Cyanide) S Sample Analysis, laboratory QC as applicable NA NA ✓ 35. 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 ✓ 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 ✓ 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA ✓	Other Data				
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	43. Raw Florisil Data	NA	NA	✓	

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		FROM	ТО	LAB	REGION	
Additional 44. EPA Shipping/Receiving Documents						
Airbill (No. of Shipments	_)	580	581	✓		
Sample Tags		NA	NA	✓		
Sample Log-In Sheet (Lab)		582	582	✓		
45. Misc. Shipping/Receiving Records(1	ist all individual records)	NA	NA	✓		
46. Internal Lab Sample Transfer Recor (describe or list)	ds and Tracking Sheets		585			
47. Other Records and related Communic (describe or list)	ation Logs	 	NA			
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48. Comments:						
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284 Sheffield Street Mountainside, NJ 07092

SDG NARRATIVE

USEPA SDG # MC0VH4 CASE # 51810 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4656

A. Number of Samples and Date of Receipt

05 Soil samples were delivered to the laboratory intact on 10/31/2024, 11/02/2024.

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.

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: $2.4^{\circ}C$, $2.4^{\circ}C$

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

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

E. Corrective Action taken for above:

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

F. Analytical Techniques:

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

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



284 Sheffield Street Mountainside, NJ 07092

G. Calculation:

Calculation for ICP-AES Soil Sample:

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

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

Where,

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

Example Calculation For Sample MC0VH4 For Antimony:

If C = 0.0081888ppm Vf = 100 ml W = 1.21 g S = 0.946(94.6/100)DF = 1

Concentration (mg/kg) = 0.0081888 x <u>100</u> x 1 <u>1.21 x 0.946</u>

= 0.715391 mg/kg

= 0.72 mg/kg (Reported Result with Signification)

Calculation for Hg Soil Sample:

Conversion of Results from μg /L or ppb to mg/kg :

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

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



Example Calculation For Sample MC0VH4:

If C = 0.7961 ppb Vf = 100 mL W = 0.52g S = 0.946(94.6/100) DF = 1

Concentration (mg/kg) = $0.7961 \times \frac{100}{0.52 \times 0.946} \times 1 / 1000$

= 0.161835 mg/kg

= 0.16 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 except for Arsenic, Selenium, Silver, Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Arsenic.

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.

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:

Name: Nimisha Pandya

Date _____

Title: Document Control Officer



PERCENT SOLID

Supervisor: Iwona Analyst: jignesh Date: 11/6/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 13:20 In Date: 11/05/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:45 Out Date: 11/06/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

QC:LB133298

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Sample	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
P4656-01	MCOVH4	1	1.14	8.66	9.8	9.33	94.6	
P4656-02	MC0VJ0	2	1.15	8.82	9.97	8.51	83.4	
P4656-03	MC0VM0	3	1.19	8.42	9.61	7.89	79.6	
P4656-04	MC0VM0D	4	1.19	8.42	9.61	7.89	79.6	
P4656-05	MCOVMOS	5	1.19	8.42	9.61	7.89	79.6	
P4656-06	MCOVM6	6	1.18	8.52	9.7	8.45	85.3	
P4656-07	MCOVM7	7	1.15	8.73	9.88	8.75	87.1	

% Solid = (C-A) * 100	
(B-A)	

	11-05-2024 12:15:58	Collect Date Method			10/30/2024 Chemtech -SO	10/30/2024 Chemtech -SO		10/31/2024 Chemtech -SO	10/31/2024 Chemtech -SO		10/31/2024 Chemtech -SO	10/31/2024 Chamizer 00	124 CITERITECH -SU
ND 133298	Date : 11-0	_						10/31/2(10/31/2(10/31/20	10/24/06	
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(hain)	Wet-Chemistry	Customer		LISEP01		USEP01			USEP01		COELO	USEP01	
WORKLIST(Hardcopy Internal Chain) 1: 185140 Department : Wet-	Preservative		Cool 4 deg C		Cool 4 deg C	Cool 4 den C		Cool 4 deg C	Cool 4 den C))))	Cool 4 deg C		
WORKLIST(I	ID : 185140	Test		Percent Solids	Percent Colido		Percent Solids	Percent Colide		Percent Solids		Percent Solids	
	WorkList ID :	Matrix		Solid	Solid		Solid	Solid		Solid		Solid	
	%1-p4656	Customer Sample	NOCH I	MCUVH4	MC0VJ0		MCOVMO	MCOVMOD		MCUVMUS	MCDVM6		MCOVM7
	WorkList Name :	Sample	DARKE 01	10-000+1	P4656-02	DAGEC ON	14020-03	P4656-04	DAREC OF	CN-000+1	P4656-06		P4656-07

10/31/2024 Chemtech -SO

<u>9</u>

USEP01

Cool 4 deg C

Percent Solids

Solid

alle Date/Time 1106/24 121.30 Raw Sample Received by: Raw Sample Relinquished by:

For wer 13430 Sn D Raw Sample Relinquished by: Date/Time 11/05/24 Raw Sample Received by:

Page 1 of 1