SDG COVER PAGE

Lab Name: Alliance	e Technical Group, LLC	Contract	68HERH201	D0011	
Lab Code: ACE	Case No.: 51822	MA No.:	3105.0		SDG No.: MH2GQ2
SOW No. : SFAM01.1	L				
			Analysis		
EPA Sample No.	Lab Sample Id	ICP-AES	ICP-MS	Mercury	Cyanide
MH2GQ2	P4956-01		Х		
MH2GQ2D	P4956-02		Х		
MH2GQ2S	P4956-03		Х		
MH2GQ4	P4956-04		Х		
MH2GQ5	P4956-05		Х		
MH2GQ6	P4956-06		Х		
MH2GQ7	P4956-07		Х		
MH2GQ8	P4956-08		Х		
MH2GQ9	P4956-09		Х		
MH2GR0	P4956-10		Х		
MH2GR1	P4956-11		Х		
MH2GR2	P4956-12		Х		
MH2GR3	P4956-13		Х		
MH2GR4	P4956-14		Х		
MH2GR5	P4956-15		Х		
MH2GR6	P4956-16		Х		
MH2GR7	P4956-17		Х		
MH2GR8	P4956-18		Х		
MH2GR9	P4956-19		Х		
MH2GS0	P4956-20		Х		
MH2GS1	P4956-21		Х		
MH2GS2	P4956-22		Х		

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

Signature:	 Name:	

Date:

Title:

DateShipped: 11/21/2024 CarrierName: FedEx AirbillNo: 7707 3347 7550	annes coc (E 1/2024 :x 7 7550			Case Coo	Case #: 51822 Cooler #: 2		Lab: Alliance Technical Group LLC Lab: Alliance Technical Group LLC Lab Contact: Sohil Jodhani Lab Phone: 908-789-8900	ance Technical Group LLC Lab Contact: Sohil Jodhani Lab Phone: 908-789-8900
Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	d Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
S-LABQC-2024- 703	MH2GQ2	Soil/ SH, LP	Subsample	ICP/MS(14)	24429 (None) (3)	×	11/15/2024 10:48	Tipe
S-LABQC-2024- 704	MH2GQ3	Soil/ SH, LP	Subsample	ICP/MS(14)	24430 (None) (3)	×	11/15/2024 10:32	
S2556-APS-0001- 01	MH2GQ4	Soil/ SH, LP	Composite	ICP/MS(14)	24431 (None) (1)	APS-2556	11/15/2024 11:18	٢
S2556-APS-0106- 01	MH2GQ5	Soil/ SH, LP	Composite	ICP/MS(14)	24432 (None) (1)	APS-2556	11/15/2024 11:20	ىر
S2556-APS-0612- 01	MH2GQ6	Soil/ SH, LP	Composite	ICP/MS(14)	24433 (None) (1)	APS-2556	11/15/2024 11:22	5
S2556-APS-1218- 01	MH2GQ7	Soil/ SH, LP	Composite	ICP/MŞ(14)	24434 (None) (1)	APS-2556	11/15/2024 11:24	~)
S2556-APW- 0001-01	MH2GQ8	Soil/ SH, LP	Composite	ICP/MS(14)	24435 (None) (1)	APW-2556	11/15/2024 10:46	c
S2556-APW- 0106-01	MH2GQ9	Soil/ SH, LP	Composite	ICP/MS(14)	24436 (None) (1)	APW-2556	11/15/2024 10:48	Ŷ
S2556-APW- 0612-01	MH2GR0	Soil/ SH, LP	Composite	ICP/MS(14)	24437 (None) (1)	APW-2556	11/15/2024 10:50	q
S2556-APW- 1218-01	MH2GR1	Soil/ SH, LP	Composite	ICP/MS(14)	24438 (None) (1)	APW-2556	11/15/2024 10:52	هر
ample(s) to be use nalyze per MA 310	id for Lab QC: \$	S-LABQC-2024-70:	3 Tag 24429, S	-LABQC-2024-704 Tag	Sample(s) to be used for Lab QC: S-LABQC-2024-703 Tag 24429, S-LABQC-2024-704 Tag 24430 - Special Instructions:	Shipment for Case Complete? N Samples Transferred From Chai	Shipment for Case Complete? N Samples Transferred From Chain of Custody #	Custody #
Items/Reason	IS=CLP TAL To Relinquished by	Analysis Key: ICP/MS=CLP TAL Total Metals ICP/MS Items/Reason Relinquished by (Signature and Organization)	rganization)	Date/Time Rei	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt	Upon Recei
Samples	Her +	et -	5-1	41/21/24 H2/12/14	R	11-22-24	日の世	Ŧ
	(custedy adds putput	phaseuf

t instact	custedy such hurt							
Ł	王 guu 史	11-22-24	X	11/24 1425 (5	etcar Pr	A to	Samples
Upon Recei	Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	Date/Time Received	ganization)	Relinquished by (Signature and Organization)	Relinquished by	Items/Reason
						tal Metals ICP/MS	1S=CLP TAL To	Analysis Key; ICP/MS=CLP TAL Total Metals ICP/MS
ustody #	Samples Transferred From Chain of Custody #	Samples Transferre	- 1			A 3105	: Analyze per M/	Special Instructions: Analyze per MA 3105
	Complete? N	Shipment for Case Complete? N						
19	11/15/2024 11:12	FY-2556	24448 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GS1	S2556-FY-0106- 01
19	11/15/2024 11:10	FY-2556	24447 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GS0	S2556-FY-0001- 01
Г¥	11/15/2024 10:44	ED-2556	24446 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR9	S2556-ED-1218- 01
16	11/15/2024 10:42		24445 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR8	S2556-ED-0612- 01
う	11/15/2024 10:40	ED-2556	24444 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR7	S2556-ED-0106- 01
ž	11/15/2024 10:38	ED-2556	24443 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR6	S2556-ED-0001- 01
12	11/15/2024 10:36	BY-2556	24442 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR5	S2556-BY-1218- 01
۴	11/15/2024 10:34	BY-2556	24441 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR4	S2556-BY-0612- 01
11	11/15/2024 10:32	BY-2556	24440 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR3	S2556-BY-0106- 01
6	11/15/2024 10:30	BY-2556	24439 (None) (1)	ICP/MS(14)	Composite	Soil/ SH, LP	MH2GR2	S2556-BY-0001- 01
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier
.ab Contact: Sohil Jodhani Lab Phone: 908-789-8900	Lab Contact: Sohil Jodhani Lab Phone: 908-789-8900		222	Case #: 51822 Cooler #: 2			ix 7 7550	CarrierName: FedEx AirbillNo: 7707 3347 7550
33954-06 cal Group L	No: 8-112124-133954-0600 Lab: Alliance Technical Group LLC	_	Y RECORD	CHAIN OF CUSTODY RECORD		В СОРҮ)	janics COC (LA 1/2024	USEPA CLP Inorganics COC (LAB COPY) DateShipped: 11/21/2024

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AirbillNo: 7707 3347 7550	7 7550				Cooler #: 2			Lab Phone: 908-789-8900	Lab Phone: 908-789-8900
Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	ound Tag/Preservative/Bottles	re/Bottles	Location	Collection Date/Time	For Lab Use Only
S2556-FY-0612- 01	MH2GS2	Soil/ SH, LP	Composite	ICP/MS(14)) 24449 (None) (1)	e) (1)	FY-2556	11/15/2024 11:14	e
S2556-FY-1218- 01	MH2GS3	Soil/ SH, LP	Composite	ICP/MS(14)) 24450 (None) (1)	e) (1)	FY-2556	11/15/2024 11:16	
S2556-LRS-0001- 01	MH2GS4	Soil/ SH, LP	Composite	ICP/MS(14)) 24451 (None) (1)	e) (1)	LRS-2556	11/15/2024 11:26	
S2556-LRS-0106- 01	MH2GS5	Soil/ SH, LP	Composite	ICP/MS(14)) 24452 (None) (1)	e) (1)	LRS-2556	11/15/2024 11:28	
S2556-LRS-0612- 01	MH2GS6	Soil/ SH, LP	Composite	ICP/MS(14)) 24453 (None) (1)	e) (1)	LRS-2556	11/15/2024 11:30	
S2556-LRS-1218- 01	MH2GS7	Soil/ SH, LP	Composite	ICP/MS(14)) 24454 (None) (1)	e) (1)	LRS-2556	11/15/2024 11:32	
S2556-SYE-0001- 01	MH2GS8	Soil/ SH, LP	Composite	ICP/MS(14)) 24455 (None) (1)	e) (1)	SYE-2556	11/15/2024 11:02	
S2556-SYE-0106- 01	MH2GS9	Soil/ SH, LP	Composite	ICP/MS(14)	24456 (None) (1)	e) (1)	SYE-2556	11/15/2024 11:04	
S2556-SYE-0612- 01	MH2GT0	Soil/ SH, LP	Composite	ICP/MS(14)	24457 (None) (1)	e) (1)	SYE-2556	11/15/2024 11:06	
S2556-SYE-1218- 01	MH2GT1	Soil/ SH, LP	Composite	ICP/MS(14)	24458 (None) (1)	(1) (c	SYE-2556	11/15/2024 11:08	
Special Instructions: Analyze per MA 3105	: Analyze per M/	A 3105				(0) (0)	Shipment for Case Complete? N Samples Transferred From Chai	Shipment for Case Complete? N Samples Transferred From Chain of Custody #	ustody #
alysis Key: ICP/N	1S=CLP TAL To	Analysis Key: ICP/MS=CLP TAL Total Metals ICP/MS							
Items/Reason	Relinquished by	Relinquished by (Signature and Organization)	ganization)	Date/Time	Received by (Signature and O	Organization)	Date/Time	Sample Condition Upon Receipt	1 Upon Rec
Samples o	Are t	et pi	PWT	11/21/24 1430	Å		11-22-24	ZL(ju) \$1	1
				-				custody seek when	the number
								Temp Bld. pulseet	pusser

Page 3 of 4

USEPA CLP Inorganics COC (LAB COPY)

68HERH20D0011 CHAIN OF CUSTODY RECORD

SDG # MH2GQ2 No: 8-112124-133954-0600

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC				Page 1 of	1	
Received By (Pr	int Name) Goo	58 1	JESNON			Log-in Date	e 11/22/2	2024
Received By (Si	gnature)	A						
Case Number	51822	SDG	No. MH20	GQ2		MA No. 3	105.0	
r	T							
Remarks:						Correspondi	na	
1. Custody Seal (s)	Present, Intact			Aqueous				Remarks: Condition
2. Custody Seal Nos.	n/a		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MH2GQ2	N/A	24429		P4956-01	Intact
Custody Records		2	MH2GQ2D	N/A	24429		P4956-02	Intact
4. Airbill	Brocont	3	MH2GQ2S	N/A	24429		P4956-03	Intact
	Present	4	MH2GQ4	N/A	24431		P4956-04	Intact
5. Airbill No. and	770133477550	5	MH2GQ5	N/A	24432		P4956-05	Intact
Shipping Container ID No.	1	6	MH2GQ6	N/A	24433		P4956-06	Intact
6. Shipping Container		7	MH2GQ7	N/A	24434		P4956-07	Intact
Temperature	Present	8	MH2GQ8	N/A	24435		P4956-08	Intact
Indicator Bottle		9	MH2GQ9	N/A	24436		P4956-09	Intact
7. Shipping Container	2.2 Degree C	10	MH2GR0	N/A	24437		P4956-10	Intact
Temperature		11	MH2GR1	N/A	24438		P4956-11	Intact
8. Sample Condition	Intact	12	MH2GR2	N/A	24439		P4956-12	Intact
Condition		13	MH2GR3	N/A	24440		P4956-13	Intact
		14	MH2GR4	N/A	24441		P4956-14	Intact
9. Sample Tags Sample Tag	Absent	15	MH2GR5	N/A	24442		P4956-15	Intact
Numbers	Listed on Traffic	16	MH2GR6	N/A	24443		P4956-16	Intact
10. D	Report	17	MH2GR7	N/A	24444		P4956-17	Intact
10. Does information on Traffic	Yes	18	MH2GR8	N/A	24445		P4956-18	Intact
Reports/Chain of Custody Records		19	MH2GR9	N/A	24446		P4956-19	Intact
and Sample Tags		20	MH2GS0	N/A	24447		P4956-20	Intact
agree ?		21	MH2GS1	N/A	24448		P4956-21	Intact
 Date Received at Lab 	11/22/2024	22	MH2GS2	N/A	24449		P4956-22	Intact
		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	07:45							

* Contact SMO and attach record of resolution

Reviewed By	X.	Logbook No.	N/A	
Date	11 22 24	Logbook Page No.	N/A	

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

LAB NAME	Alliance Tech	nical Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51822	SDG NO.	MH2GQ2
MA NO.	3105.0	SOW NO.	SFAM01.1
MA NO.	3105.0	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 I FROM	NOs: TO	<u>CH</u> LAB	<u>ECK</u> REGION
1.	SDG Cover Page	1	1	✓	
2.	Traffic Report/Chain of Custody Record(s)	2	4		·
з.	Sample Log-In Sheet (DC-1)	5	5	✓	
4.	CSF Inventory Sheet (DC-2)	6	8	✓	
5.	SDG Narrative	9	12	✓	
6.	Communication Logs	NA	NA	✓	
7.	Percent Solids Log	NA	NA	✓	
Ana	lysis Forms and Data (ICP-AES)				
8.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA	✓	
9.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	NA	NA	✓	
Oth	er Data				
10.	Standard and Reagent Preparation Logs	NA	NA	✓	
11.	Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	✓	
12.	Cleanup Logbooks Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	~	
13.	Instrument Logbooks 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	✓	
Ana	lysis Forms and Data (ICP-MS)				
17.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	13	32	✓	
18.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	33	497	✓	
Oth	er Data				
19.	Standard and Reagent Preparation Logs	498	635		
20.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	636	637	✓	
21.	Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	638	642	✓	
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	✓	
28. Standard and Reagent Preparation Logs NA NA NA 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA NA 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA NA NA 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA NA NA 33. Raw GPC Data NA NA NA NA NA NA NA 34. Raw Florisil Data NA NA <td></td> <td>NA</td> <td>NA</td> <td>✓</td> <td></td>		NA	NA	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA<	Other Data				
Cleanup Logbooks NA NA NA 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA NA 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA NA 33. Raw GPC Data NA NA NA NA NA NA 34. Raw Florisil Data NA NA NA NA NA NA Analysis Forms and Data (Cyanide) Sample Analysis, laboratory QC as applicable NA NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA NA NA 37. Standard and Reagent Preparation Logs NA NA NA NA NA 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA NA NA 39. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA V NA NA 31. Extraction Logs for TCLP and SPLP NA NA V NA	28. Standard and Reagent Preparation Logs	NA	NA	✓	
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 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	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 NA Other Data 37. Standard and Reagent Preparation Logs NA NA NA ✓ 37. Standard and Reagent Preparation Logs NA NA V	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	✓	
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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 <u>1</u>)		643	643	✓	
Sample Tags		NA	NA	✓	
Sample Log-In Sheet (Lab)		644	645	✓	
45. Misc. Shipping/Receiving Records(list all individual r	ecords)	NA	NA	~	
46. Internal Lab Sample Transfer Records and Tracking Shee (describe or list)	ts	646	647		
47. Other Records and related Communication Logs (describe or list)		NA	NA		
48. Comments:					
	sha Pandya, Document	Control	Officer		
(Signature) (Pr Audited by: (EPA)	int Name & Title)			(Da	te)
(Signature) (Pr	int Name & Title)			(Da	te)



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SDG NARRATIVE

USEPA SDG # MH2GQ2 CASE # 51822 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4956 MODIFIED ANALYSIS #3105.0

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 11/22/2024

B. Parameters

Test requested for Metals CLP MS FULL = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.2°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.

G. Calculation:

Calculation for ICP-MS Soil Sample:



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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 value in ppb (The average of all replicate integrations)
Vf = Final digestion 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 MH2GQ2 For Antimony:

If C = 1.20 ppb
Vf = 500 ml
W = 2.32 g
S = 1.0(100/100)
DF = 1
Concentration (mg/kg) =
$$1.20 \times \frac{500}{2.32 \times 1.0} \times 1/1000$$

= 0.2586 mg/kg
= 0.26 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. Duplicate sample did meet. Serial Dilution did meet requirements.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb

Internal Standard Association for ICP-MS analysis.



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Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Manganese	45Sc
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

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

Date: 06/25/2021	MA: 3105.0	Title: ICP-MS Analysis with Increased Sample Mass
Method Source: SFAM01.1	Method: ICP-MS	
Matrix: Soil/Sediment		
Summary of Modification		
by ICP-MS (processed by Incr	emental Sampling ality Control (QC),	vze dried, composited, and sieved soil/sediment samples Methodology). Unless specifically modified by this and reporting requirements specified in the SOW listed in and in full force and effect.
I. Analyte Modifications Not applicat		Not applicable 🔀
		Not applicable 🔀
III. Preparation and Method	Modifications	Not applicable
The Laboratory shall:		
 required to determine the Percent (%) Solids for the samples. Receive the composited samples dried and sieved prior to shipment to the Laboratory. The samples will be received in plastic baggies as individual aliquots with approximately 2 grams each. The aliquots shall not be re-combined and/or subsampled at the Laboratory. Not increase the amount of acid reagents added to the sample to account for the increase in mass. Store the samples at ambient temperature from the time of receipt until preparation. Do not refrigerate. Remove and weigh the entire content within each baggie followed by digesting the entire sample per the SOW. Prepare and analyze Matrix Spikes and Duplicates if additional aliquots were provided for these analyses. 		
IV. Special Reporting Require	ements	Not applicable
administrative proble include interference preparations perforn	Narrative is update ems encountered a problems encounte ned, and problems	ed as stated in the SOW, including any technical and and the corrective action taken. These problems may ered during analysis, dilutions, re-analyses or re- with the analysis of samples. Also include a discussion of copy of the approved modification with the SDG