		SDG COVER PA			
	ce Technical Group, LLC	Contract	: 68HERH20	D0011	
Lab Code: ACE	Case No.: 51921	MA No.:			SDG No.: GCPF7
SOW No. : SFAM01	.1				
EPA Sample No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
GCPF7	Q1041-01	Х			
GCPF8	Q1041-02	Х			
GCPF9	Q1041-03	Х			
GCPG0	Q1041-04	Х			
GCPG0D	Q1041-05	Х			
GCPG0S	Q1041-06	Х			
GCPG1	Q1041-07	Х			
GCPG2	Q1041-08	Х			
GCPG3	Q1041-09	Х			
GCPG4	Q1041-10	X			
GCPG5	Q1041-11	X			
GCPG6	Q1041-12	X			
GCPG7	Q1041-13	X			
GCPG8	Q1041-14	Х			
GCPG9	Q1041-15	X			
GCPH0	Q1041-16	X			
GCPH1	Q1041-17	X			
GCPH2	Q1041-18	Х			
GCPH3	Q1041-19	Х			
GCPH4	Q1041-20	X			
GCPH5	Q1041-21	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:	

68HERH20D0011

SDG # GCPF7

**Region 7 SCRIBE COC Record** 

AirbillNo: 8176 1044 3362 DateShipped: 1/8/2025 USEPA CLP Inorganics COC (LAB COPY) CarrierName: FedEx

Project Code: KMA7K201/2500007 Case #: 51921

Lab: Alliance Technical Group LLC (ACE) Lab Contact: Sample Receipt Lab Phone: (908) 789-8900

No: 7-010725-131535-0000

	e Complete? Y	Shipment for Case Complete? Y	Sample(s) to be used for Lab QC: 2500007-23 Tag 2500007023 - Special Instructions: Soil metals by ICPAES will be collected in 1 whirlpak or ziplock baggie for each sample, and will be enough for all analyses and the designated QCs=MS/MSDs at full	Sample(s) to be used for Lab QC: 2500007-23 Tag 2500007023 - Special Instructions: Soil metals by ICPAES will be colle 1 whirlpak or ziplock baggie for each sample, and will be enough for all analyses and the designated QCs=MS/MSDs at full	0007023 - S	500007-23 Tag 250 1 sample. and will bu	d for Lab QC: 2! baggie for each	ample(s) to be used whirlpak or ziplock
	11/18/2024 14:05	5327-C6	2500007038 (4°C) (1)	SoilMetsAES(21)	Grab	Soll/SET/	GCPH5	2500007-38
	11/18/2024 14:03	5327-C5	2500007037 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPH4	2500007-37
	11/18/2024 14:01	5327-C4	2500007036 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPH3	2500007-36
	11/18/2024 13:59	5327-C3	2500007035 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPH2	2500007-35
	11/18/2024 13:57	5327-C2	2500007034 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPH1	2500007-34
	11/18/2024 13:55	5327-C1	2500007033 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPH0	2500007-33
	11/25/2024 10:16	4872-SP	2500007032 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG9	2500007-32
	11/25/2024 10:14	4872-FF	2500007031 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG8	2500007-31
	11/25/2024 10:12	4872-DW	2500007030 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG7	2500007-30
	11/25/2024 10:10	4872-C6	2500007029 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG6	2500007-29
	11/25/2024 10:08	4872-C5	2500007028 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG5	2500007-28
	11/25/2024 10:06	4872-C4	2500007027 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG4	2500007-27
	11/25/2024 10:04	4872-C3	2500007026 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG3	2500007-26
	11/25/2024 10:02	4872-C2	2500007025 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG2	2500007-25
	11/25/2024 10:00	4872-C1	2500007024 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG1	2500007-24
•	11/22/2024 09:05	4565-SAND	2500007023 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPG0	2500007-23
	11/22/2024 09:07	4565-RE	2500007022 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPF9	2500007-22
	11/22/2024 09:09	4565-LS	2500007021 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPF8	2500007-21
	11/22/2024 09:11	4565-G	2500007020 (4°C) (1)	SoilMetsAES(21)	Grab	Soil/SET/	GCPF7	2500007-20
For Lab Use Only	Date/Time	Location	1 agr = reservative/ potties	Analysis/Lumaround (Days)	Method	waa x san pe	Sample No.	

samples for this CASE and that %solids needed/required on all samples for this CASE. oil metals by ICPAES PT sample (with instructions & PT ID R03272403-24) will be included/packed/shipped with the above field samples. This case is shipped with case 51925 and will not include ice. The CLP lab should note the temperature on the case narrative and proceed with analysis. Analysis Key: SoilMetsAES=SoilMetsbyICPAES Analysis \_P Shipping Items/Reason Relinquished by (Signature and Organization) KATELYN ORTGIES Date: 2025.01.08 07:54:14 -06'00' Digitally signed by KATELYN ORTGIES Date/Time Received by (Signature and Organization) 9 25 Date/Time 0440 temp S.G Sample Condition Upon Receipt Temp blank prespit 5.8 C

Custudy Seni intatt

Samples Transferred From Chain of Custody #

Page 2 of 4

## FORM DC-1

## SAMPLE LOG-IN SHEET

Lab Name : All	iance Technical Grou	ıp, LLC	Page 1_of	
Received By (P	rint Name)	SEDISCLON/	Log-in Date 1/9/20	25
Received By (S				
Case Number	51921	SDG No. GCPF7	MA No. N/A	
Remarks:			Common and li	1
1. Custody Seal (s)	Present, Intact		Corresponding	Remarks:

7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	1. Custody Seal (s)	Present, Intact	
Reports/Chain Of Custody RecordsPresent4. AirbillPresent5. Airbill No. and Shipping Container ID No.817610443362 16. Shipping Container Temperature Indicator BottlePresent7. Shipping Container TemperaturePresent8. Sample ConditionIntact9. Sample Tags NumbersAbsent Listed on Traffic Report10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?Yes11. Date Received at Lab01/09/2025		n/a	
4. Airbill   Present     5. Airbill No. and Shipping Container ID No.   817610443362     1   1     6. Shipping Container Temperature Indicator Bottle   Present     7. Shipping Container Temperature   Present     8. Sample Condition   5.8   Degree C     9. Sample Tags Numbers   Absent Listed on Traffic Report   Absent     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes   1     11. Date Received at Lab   01/09/2025   2	Reports/Chain Of	Present	1
S. Airbill No. and Shipping Container ID No.   817610443362     6. Shipping Container Temperature Indicator Bottle   Present     7. Shipping Container Temperature   Present     8. Sample Condition   5.8   Degree C     9. Sample Tags Numbers   Absent Listed on Traffic Report   Absent     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025   2	Custody Records		2
5. Airbill No. and Shipping Container ID No.   817610443362     1   1     6. Shipping Container Temperature Indicator Bottle   Present     7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	4. Airbill	Present	3
Shipping Container ID No.   1     6. Shipping Container Temperature Indicator Bottle   Present     7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025			4
ID No.   1     6. Shipping Container Temperature Indicator Bottle   Present     7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025		817610443362	5
Temperature Indicator Bottle   5.8   Degree C     7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025		1	6
Temperature Indicator Bottle   5.8   Degree C     7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	6. Shipping Container	Present	7
7. Shipping Container Temperature   5.8   Degree C     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	Temperature	Fresenc	8
Temperature     8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	Indicator Bottle		9
8. Sample Condition   Intact     9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	7. Shipping Container	5.8 Degree C	10
a. Sample   Intact     Condition   Intact     9. Sample Tags   Absent     Sample Tag   Listed on Traffic     Report   Intact     10. Does information   Yes     on Traffic   Yes     Reports/Chain of   Custody Records     and Sample Tags   agree ?     11. Date Received at   01/09/2025     12. The Devict of   01/09/2025	Temperature		
9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025		Intact	12
9. Sample Tags Sample Tag Numbers   Absent Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025	Condition		13
Sample Tag Numbers   Listed on Traffic Report     10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?   Yes     11. Date Received at Lab   01/09/2025			14
Numbers Listed on Traffic Report   10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ? Yes   11. Date Received at Lab 01/09/2025		Absent	15
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ? Yes   11. Date Received at Lab 01/09/2025			16
on Traffic Reports/Chain of Custody Records and Sample Tags agree ? 11. Date Received at Lab 01/09/2025		Report	17
Custody Records and Sample Tags agree ? 2   11. Date Received at Lab 01/09/2025		Yes	18
and Sample Tags   agree ?   11. Date Received at   Lab	· ·		19
11. Date Received at Lab     01/09/2025			20
Lab 01/09/2025	agree?		21
		01/09/2025	22
12.Time Received			23
<u></u>	12.Time Received	09:40	

			Correspo	onding	Bomarka
	EPA Sample #	Aqueous Water Sample pH	, Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	GCPF7	N/A	2500007020	Q1041-01	Intact
2	GCPF8	N/A	2500007021	Q1041-02	Intact
3	GCPF9	N/A	2500007022	Q1041-03	Intact
4	GCPG0	N/A	2500007023	Q1041-04	Intact
5	GCPG0D	N/A	2500007023	Q1041-05	Intact
6	GCPG0S	N/A	2500007023	Q1041-06	Intact
7	GCPG1	N/A	2500007024	Q1041-07	Intact
8	GCPG2	N/A	2500007025	Q1041-08	Intact
9	GCPG3	N/A	2500007026	Q1041-09	Intact
10	GCPG4	N/A	2500007027	Q1041-10	Intact
11	GCPG5	N/A	2500007028	Q1041-11	Intact
12	GCPG6	N/A	2500007029	Q1041-12	Intact
13	GCPG7	N/A	2500007030	Q1041-13	Intact
14	GCPG8	N/A	2500007031	Q1041-14	Intact
15	GCPG9	N/A	2500007032	Q1041-15	Intact
16	GCPH0	N/A	2500007033	Q1041-16	Intact
17	GCPH1	N/A	2500007034	Q1041-17	Intact
18	GCPH2	N/A	2500007035	Q1041-18	Intact
19	GCPH3	N/A	2500007036	Q1041-19	Intact
20	GCPH4	N/A	2500007037	Q1041-20	Intact
21	GCPH5	N/A	2500007038	Q1041-21	Intact
22	N/A	N/A I	N/A	N/A	N/A
23	N/A	N/A I	N/A	N/A	N/A

# \* Contact SMO and attach record of resolution

Reviewed By	(A)	Logbook No.	N/A	
Date	1/9/25	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.	51921	SDG NO.	GCPF7
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	ECK
		FROM	TO	LAB	REGION
1.	SDG Cover Page	1	1	✓	
2.	Traffic Report/Chain of Custody Record(s)	2	2	1	
з.	Sample Log-In Sheet (DC-1)	3	3	✓	
4.	CSF Inventory Sheet (DC-2)	4	6	✓	
5.	SDG Narrative	7	8	✓	
6.	Communication Logs	NA	NA	✓	
7.	Percent Solids Log	9	10	✓	
Ana	lysis Forms and Data (ICP-AES)				
8.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	11	29	✓	
9.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	30	177	✓	
Oth	er Data				
10.	Standard and Reagent Preparation Logs	178	334	_ ✓	
11.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	335	336	✓	
12.	Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	337	348	✓	
13.	Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14.	Extraction Logs for TCLP and SPLP	NA	NA	_ ✓	
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	NA	NA	✓	
18.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	NA	NA		
Oth	er Data				
19.	Standard and Reagent Preparation Logs	NA	NA	_ ✓	
20.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
21.	Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	_ ✓	
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	ТО	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 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   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	✓	
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	✓	
or sample analysis, laboratory QC as applicable 36. Instrument raw data by instrument in analysis order NA NA V Other Data 37. Standard and Reagent Preparation Logs NA NA V 38. Original Preparation and Cleanup forms or copies of Preparation and 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 V	Analysis Forms and Data (Cyanide)				
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	✓	

				PAGE NOs:		CHECK	
				FROM	TO	LAB	REGION
	<b>tional</b> EPA Shippi	ng/Receiving Documents					
	Airbill (N	o. of Shipments <u>1</u> )		349	349	✓	
	Sample Tag	S		NA	NA	✓	
	Sample Log	-In Sheet (Lab)		350	351	✓	
45.	Misc. Ship	ping/Receiving Records(list all ind	dividual records)	NA	NA	√	
46.	Internal L (describe	ab Sample Transfer Records and Trac or list)	cking Sheets	352	352		
					352	_ ✓	
47.	Other Reco (describe	rds and related Communication Logs or list)					
				NA	NA	✓	
48.	Comments:						
	pleted by: P Lab)		Nimisha Pandya, Doc		Officer		
Aud (EP	ited by: A)	(Signature)	(Print Name & Titl	e)		(Dat	ce)
		(Signature)	(Print Name & Titl	e)		(Dat	ce)



## 284 Sheffield Street Mountainside, NJ 07092

#### **SDG NARRATIVE**

USEPA SDG # GCPF7 CASE # 51921 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # Q1041

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

19 Soil samples were delivered to the laboratory intact on 01/09/2025.

#### **B.** Parameters

Test requested for Metals CLP12 = Arsenic, Barium, Cadmium, Chromium, Cobalt, Lead.

### C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 5.8°C

#### **D.** 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.

#### E. Calculation:

#### **Calculation for ICP-AES Soil Sample:**

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

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

Where,

C = Instrument value in ppm (The average of all replicate exposures) Vf = Final digestion volume (mL)



## 284 Sheffield Street Mountainside, NJ 07092

W = Initial aliquot amount (g) (Sample amount taken in prep) S = % Solids / 100 (Fraction of Percent Solids) DF = Dilution Factor

### Example Calculation For Sample GCPF7 For Arsenic :

If C = 0.0550547 ppm Vf = 100 ml W = 1.25 g S = 0.971(97.1/100) DF = 1 Concentration (mg/kg) = 0.0550547 x  $\frac{100}{1.25 \text{ x } 0.971}$  x 1 = 4.535917 mg/kg = 4.5 mg/kg (Reported Result with Signification)

### F. 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 requirements except for Chromium. Serial Dilution did meet requirements.

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: 1/10/2025

OVENTEMP IN Celsius (°C): 107 Time IN: 13:10 In Date: 01/09/2025 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:37 Out Date: 01/10/2025 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

**QC:**LB134211

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
Q1041-01	GCPF7	1	1.18	8.34	9.52	9.28	97.1	
Q1041-02	GCPF8	2	1.15	8.41	9.56	8.48	87.2	
Q1041-03	GCPF9	3	1.17	8.46	9.63	8.98	92.3	
Q1041-04	GCPG0	4	1.18	8.71	9.89	9.85	99.5	
Q1041-05	GCPG0D	5	1.18	8.71	9.89	9.85	99.5	
Q1041-06	GCPG0S	6	1.18	8.71	9.89	9.85	99.5	
Q1041-07	GCPG1	7	1.16	8.44	9.6	9.33	96.8	
Q1041-08	GCPG2	8	1.19	8.45	9.64	9.33	96.3	
Q1041-09	GCPG3	9	1.17	8.75	9.92	9.17	91.4	
Q1041-10	GCPG4	10	1.18	8.38	9.56	9.07	94.2	
Q1041-11	GCPG5	11	1.15	8.59	9.74	9.33	95.2	
Q1041-12	GCPG6	12	1.15	8.48	9.63	8.52	86.9	
Q1041-13	GCPG7	13	1.17	8.81	9.98	9.9	99.1	
Q1041-14	GCPG8	14	1.16	8.80	9.96	9.65	96.5	
Q1041-15	GCPG9	15	1.16	8.53	9.69	9.67	99.8	
Q1041-16	GCPH0	16	1.18	8.50	9.68	9.41	96.8	
Q1041-17	GCPH1	17	1.17	8.37	9.54	9.36	97.8	
Q1041-18	GCPH2	18	1.16	8.35	9.51	9.3	97.5	
Q1041-19	GCPH3	19	1.14	8.69	9.83	9.67	98.2	
Q1041-20	GCPH4	20	1.16	8.41	9.57	9.41	98.1	
Q1041-21	GCPH5	21	1.17	8.57	9.74	9.57	98.0	

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

			WORKLIST(Hardcopy Internal Chain)	opy Internal Ch <sub>é</sub>		Inder W.		
WorkList Name :	%Q1041	WorkList ID :	ID: 186835	Department :	Wet-Chemistry	Da		01-09-2025 11:41:59
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1041-01	Grber							
		Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/20/00/14	
Q 104 1-UZ	GCPF8	Solid	Percent Solids	Cool 4 deg C	LISED01		+7N7/77/11	Cnemtech -SO
Q1041-03	GCPF9	Solid	Percent Solids			5	11/22/2024	Chemtech -SO
Q1041-04	GCPG0	Solid	Darrent Colido	coultage C	USEP01	C11	11/22/2024	Chemtech -SO
Q1041-05	GCPG0D	Pilou		Cool 4 deg C	USEP01	C11	11/22/2024	Chemtech -SO
Q1041-06	GCPG0S		Lercent Solids	Cool 4 deg C	USEP01	C11	11/22/2024	Chemtech -SO
Q1041-07	GCPG1	Solid Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/22/2024	Chemtech -SO
Q1041-08	GCPG2			Cool 4 deg C	USEP01	C11	11/25/2024	Chemtech -SO
Q1041-09	GCPG3	DIIOS	Percent Solids	Cool 4 deg C	USEP01	C11	11/25/2024	Chemtech -SO
Q1041-10	GCDGA		Percent Solids	Cool 4 deg C	USEP01	C11	11/25/2024	Chemtech -SO
O1041-11		Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/25/2024	Chemtech SO
Q1041-12	GUEGO	Solid	Percent Solids	Cool 4 deg C	USEP01	C11		Chemtech _20
Q1041-13	COPC3	Solid	Percent Solids	Cool 4 deg C	USEP01	C11		Chamtech _co
Q1041-14	0000	Solid	Percent Solids	Cool 4 deg C	USEP01	C11		Chamtech CO
Q1041-15	GCPG8	Solid	Percent Solids	Cool 4 deg C	USEP01	C11		Chemtech -SO
Q1041-16		Solid	Percent Solids	Cool 4 deg C	USEP01	C11	1	Chemtech -SO
Q1041-17		Solid Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/18/2024 (	Chemtech -SO
Q1041-18			Lercent Solids	Cool 4 deg C	USEP01	C11	11/18/2024 (	Chemtech -SO
Q1041-19			Percent Solids	Cool 4 deg C	USEP01	C11	11/18/2024 (	Chemtech -SO
Q1041-20		Solid Solid	Percent Solids	Cool 4 deg C	USEP01	C11	11/18/2024 0	Chemtech -SO
Q1041-21			Percent Solids	Cool 4 deg C	USEP01	C11	11/18/2024 (	Chemtech -SO
	2	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	1	Chemtech -SO
Date/Time		1			Data/Time		1 4	
Raw Sample Received by:	ed by: 20 WUC)				Raw Sample Dooplood Lun	Desing	0-1-2	51,5
Kaw Sample Relinquished by:	Lished by: TTCSM	I						(24)
			rage 1 of 1	-	naw aanpie	raw sample Kelinquished by:	7/9/	18/ WUC /