

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51817 MA No.: 3225.1,3226.1 SDG No.: MYE4T2  
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method			
		ICP-AES	ICP-MS	Mercury	Cyanide
MYE4T2	P4523-01	X	X		
MYE4T3	P4523-02	X	X		
MYE4T4	P4523-03	X	X		
MYE4T5	P4523-04	X	X		
MYE4T6	P4523-05	X	X		
MYE4T7	P4523-06	X	X		
MYE4T8	P4523-07	X	X		
MYE4T8D	P4523-08	X	X		
MYE4T8S	P4523-09	X	X		
MYE4T9	P4523-10	X	X		
MYE4W8	P4523-11	X	X		
MYE4W9	P4523-12	X	X		
MYE4X0	P4523-13	X	X		
MYE4X1	P4523-14	X	X		
MYE4X2	P4523-15	X	X		
MYE4X3	P4523-16	X	X		
MYE4X4	P4523-17	X	X		
MYE4X5	P4523-18	X	X		
MYE4X6	P4523-19	X	X		
MYE4X7	P4523-20	X	X		
MYE4X8	P4523-21	X	X		
MYE4X9	P4523-22	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: \_\_\_\_\_

68HERH20D0011

SDG#MYE4T2

## USEPA CLP COC (LAB COPY)

DateShipped: 10/22/2024

Carrier/Name: FedEx

AirbillNo: 7793 0492 3458

## CHAIN OF CUSTODY RECORD

Case #: 51817

Cooler #: EPA Cooler 06

No: 9-101424-084501-0140

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
90029-O-0004-01	MYE4S1	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8109 (None) (1)	90029-O-0004	04/24/2024 14:40	
90029-O-0005-01	MYE4S2	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8110 (None) (1)	90029-O-0005	04/24/2024 14:10	
90029-O-0006-01	MYE4S3	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8111 (None) (1)	90029-O-0006	04/24/2024 14:40	
90029-O-0007-01	MYE4S4	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8112 (None) (1)	90029-O-0007	04/24/2024 14:21	
90029-O-0008-01	MYE4S5	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8113 (None) (1)	90029-O-0008	04/24/2024 14:35	
90029-O-0009-01	MYE4S6	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8114 (None) (1)	90029-O-0009	04/24/2024 14:34	
90029-O-0010-01	MYE4S7	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8115 (None) (1)	90029-O-0010	04/24/2024 14:56	
90029-O-0011-01	MYE4S8	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8116 (None) (1)	90029-O-0011	04/24/2024 14:16	
90029-P-0001-01	MYE4S9	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8117 (None) (1)	90029-P-0001	04/24/2024 14:11	
90029-P-0002-01	MYE4T0	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8118 (None) (1)	90029-P-0002	04/24/2024 14:20	
90029-P-0003-01	MYE4T1	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8119 (None) (1)	90029-P-0003	04/24/2024 13:58	
90029-P-0004-01	MYE4T2	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8120 (None) (1)	90029-P-0004	04/24/2024 14:09	1
90029-P-0005-01	MYE4T3	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8121 (None) (1)	90029-P-0005	04/24/2024 14:05	2
90029-P-0006-01	MYE4T4	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8122 (None) (1)	90029-P-0006	04/24/2024 14:14	3
90029-P-0007-01	MYE4T5	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8123 (None) (1)	90029-P-0007	04/24/2024 13:54	4
90029-P-0008-01	MYE4T6	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8124 (None) (1)	90029-P-0008	04/24/2024 14:00	5
90029-P-0009-01	MYE4T7	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8125 (None) (1)	90029-P-0009	04/24/2024 14:05	6
90029-P-0010-03	MYE4T8	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8126 (None) (1)	90029-P-0010	04/24/2024 14:16	7
90029-P-0011-01	MYE4T9	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8127 (None) (1)	90029-P-0011	04/24/2024 13:54	8

Sample(s) to be used for Lab QC: 90029-P-0010-03 Tag 9-8126 - Special Instructions: ICP-AES 11+Metals: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn ICP-MS 11+ Metals: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Ti, V, Zn

Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

087945-46

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>Emily Ann R9</i>	10/18/24 1557	<i>Dea</i>	10-23-24	ZIP Gun #1 20.0
					Custody Seal Intact
					No temp Blank

68HERH20D0011

SDG#MYE4T2

Page 1 of 2

USEPA CLP COC (LAB COPY)

Date Shipped: 10/23/2024

Carrier Name: FedEx

Airbill No: 7793 0496 8902

## CHAIN OF CUSTODY RECORD

Case #: 51817

Cooler #: EPA Cooler 07

No: 9-101424-084510-0141

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
90029-Q-0009-01	MYE4W8	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8136 (None) (1)	90029-Q-0009	04/24/2024 11:27	✓
90029-Q-0010-01	MYE4W9	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8137 (None) (1)	90029-Q-0010	04/24/2024 11:45	✓
90029-Q-0011-01	MYE4X0	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8138 (None) (1)	90029-Q-0011	04/24/2024 11:12	✓
90029-R-0001-01	MYE4X1	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8139 (None) (1)	90029-R-0001	04/24/2024 11:25	✓
90029-R-0002-01	MYE4X2	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8140 (None) (1)	90029-R-0002	04/24/2024 11:43	✓
90029-R-0003-01	MYE4X3	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8141 (None) (1)	90029-R-0003	04/24/2024 11:23	✓
90029-R-0004-01	MYE4X4	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8142 (None) (1)	90029-R-0004	04/24/2024 12:01	✓
90029-R-0005-01	MYE4X5	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8143 (None) (1)	90029-R-0005	04/24/2024 11:06	✓
90029-R-0006-01	MYE4X6	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8144 (None) (1)	90029-R-0006	04/24/2024 11:44	✓
90029-R-0007-01	MYE4X7	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8145 (None) (1)	90029-R-0007	04/24/2024 11:09	✓
90029-R-0008-01	MYE4X8	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8146 (None) (1)	90029-R-0008	04/24/2024 11:10	✓
90029-R-0009-01	MYE4X9	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8147 (None) (1)	90029-R-0009	04/24/2024 11:25	✓
90029-R-0010-01	MYE4Y0	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8148 (None) (1)	90029-R-0010	04/24/2024 11:52	
90029-R-0011-01	MYE4Y1	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8149 (None) (1)	90029-R-0011	04/24/2024 11:33	
90029-S-0001-01	MYE4Y2	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8150 (None) (1)	90029-S-0001	04/24/2024 09:34	
90029-S-0002-01	MYE4Y3	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8151 (None) (1)	90029-S-0002	04/24/2024 10:02	
90029-S-0003-01	MYE4Y4	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8152 (None) (1)	90029-S-0003	04/24/2024 08:59	
90029-S-0003-02	MYE4Y5	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8153 (None) (1)	90029-S-0003	04/24/2024 09:09	
90029-S-0004-01	MYE4Y6	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8154 (None) (1)	90029-S-0004	04/24/2024 09:23	

Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Ti,V,Zn ICP-MS 11+ Metals: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Ti, V, Zn

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES and ICP-MS=Metals ICP-AES and ICP-MS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Emily Lab... R9	10/18/24 1605	R. Melendez	10/24/24 9:50	IR gum #1 18.1° Custody Seal intact NO Temp Blank

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>2</u>
Received By (Print Name) <u>Casagrande</u>		Log-in Date <b>10/23/2024</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51817</b>	SDG No. <b>MYE4T2</b>	MA No. <b>3225.1,3226.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>057945-46</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779304923458</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	<u>20.0</u> 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	<u>10/23/2024</u>
12. Time Received	<u>18:07</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MYE4T2	N/A	9-8120	P4523-01	Intact
2	MYE4T3	N/A	9-8121	P4523-02	Intact
3	MYE4T4	N/A	9-8122	P4523-03	Intact
4	MYE4T5	N/A	9-8123	P4523-04	Intact
5	MYE4T6	N/A	9-8124	P4523-05	Intact
6	MYE4T7	N/A	9-8125	P4523-06	Intact
7	MYE4T8	N/A	9-8126	P4523-07	Intact
8	MYE4T8D	N/A	9-8126	P4523-08	Intact
9	MYE4T8S	N/A	9-8126	P4523-09	Intact
10	MYE4T9	N/A	9-8127	P4523-10	Intact
11	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

\* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <b>N/A</b>
Date <u>10/23/24</u>	Logbook Page No. <b>N/A</b>

FORM DC-1  
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>2</u> of <u>2</u>
Received By (Print Name) <u>Cassanova Ruiz</u>		Log-in Date <b>10/24/2024</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51817</b>	SDG No. <b>MYE4T2</b>	MA No. <b>3225.1,3226.1</b>

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>057846</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>779304968902</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	<u>18.1</u> 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	<u>10/24/2024</u>
12. Time Received	<u>09:50</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MYE4W8	N/A	9-8136	P4523-11	Intact
2	MYE4W9	N/A	9-8137	P4523-12	Intact
3	MYE4X0	N/A	9-8138	P4523-13	Intact
4	MYE4X1	N/A	9-8139	P4523-14	Intact
5	MYE4X2	N/A	9-8140	P4523-15	Intact
6	MYE4X3	N/A	9-8141	P4523-16	Intact
7	MYE4X4	N/A	9-8142	P4523-17	Intact
8	MYE4X5	N/A	9-8143	P4523-18	Intact
9	MYE4X6	N/A	9-8144	P4523-19	Intact
10	MYE4X7	N/A	9-8145	P4523-20	Intact
11	MYE4X8	N/A	9-8146	P4523-21	Intact
12	MYE4X9	N/A	9-8147	P4523-22	Intact
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

\* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. <b>N/A</b>
Date <u>10/24/24</u>	Logbook Page No. <b>N/A</b>

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

LAB NAME	Alliance Technical Group, LLC		
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51817	SDG NO.	MYE4T2
MA NO.	3225.1, 3226.1	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:		CHECK	
	FROM	TO	LAB	REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	3	✓	
3. Sample Log-In Sheet (DC-1)	4	5	✓	
4. CSF Inventory Sheet (DC-2)	6	8	✓	
5. SDG Narrative	9	18	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	19	21	✓	
<b>Analysis Forms and Data (ICP-AES)</b>				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	22	41	✓	
9. Instrument raw data by instrument in analysis order	42	613	✓	
<b>Other Data</b>				
10. Standard and Reagent Preparation Logs	614	757	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	758	759	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	760	778	✓	
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	✓	
<b>Analysis Forms and Data (ICP-MS)</b>				
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	779	798	✓	
18. Instrument raw data by instrument in analysis order	799	1683	✓	
<b>Other Data</b>				
19. Standard and Reagent Preparation Logs	1684	1828	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1829	1830	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1831	1838	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	PAGE NOS:		CHECK	
	FROM	TO	LAB	REGION
23 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
24 . Raw GPC Data	NA	NA	✓	
25 . Raw Florisil Data	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	✓	

#### 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	✓	

#### 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	✓	
43 . Raw Florisil Data	NA	NA	✓	

**Additional**

44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 2)

Sample Tags

Sample Log-In Sheet (Lab)

45. Misc. Shipping/Receiving Records (list all individual records)

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46. Internal Lab Sample Transfer Records and Tracking Sheets  
(describe or list)

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47. Other Records and related Communication Logs  
(describe or list)

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48. Comments:

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Completed by:  
(CLP Lab)

(Signature)

Nimisha Pandya, Document Control Officer

(Print Name &amp; Title)

(Date)

Audited by:  
(EPA)

(Signature)

(Print Name &amp; Title)

(Date)

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
1839	1840	✓	
NA	NA	✓	
1841	1843	✓	
NA	NA	✓	
1844	1847	✓	
NA	NA	✓	



**284 Sheffield Street  
Mountainside, NJ 07092**

## **SDG NARRATIVE**

### **USEPA**

**SDG # MYE4T2**

**CASE # 51817**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

**LAB NAME: Alliance Technical Group, LLC**

**LAB CODE: ACE**

**LAB ORDER ID # P4523**

**MODIFIED ANALYSIS #3225.1, 3226.1**

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

20 Soil samples were delivered to the laboratory intact on 10/23/2024, 10/24/2024

### **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.

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

### **C. Cooler Temp**

Indicator Bottle: Presence/**Absence**

Cooler: 20.0°C, 18.1°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.



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Mountainside, NJ 07092**

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

#### **G. Calculation:**

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

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

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)

V<sub>f</sub> = 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 MYE4T2 For Antimony:**

If C = 0.0146823 ppm

V<sub>f</sub> = 100 ml

W = 1.49 g

S = 0.975(97.5/100)

DF = 2

$$\text{Concentration (mg/kg)} = 14.6823 \times \frac{100}{1.49 \times 0.975} \times 2$$

$$= 2.021311 \text{ mg/kg}$$

$$= 2.0 \text{ mg/kg (Reported Result with Signification)}$$

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

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

$$\text{Concentration (mg/kg)} = C \times \frac{V_f}{W \times S} \times DF / 1000$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)

V<sub>f</sub> = Final digestion volume (mL)

W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)

S = % Solids / 100 (Fraction of Percent Solids)



**284 Sheffield Street  
Mountainside, NJ 07092**

DF = Dilution Factor

**Example Calculation For Sample MYE4T2 For Antimony :**

If C = 4.02 ppb

Vf = 500 ml

W = 1.49 g

S = 0.975(97.5 /100)

DF = 1

$$\text{Concentration (mg/kg)} = 4.02 \times \frac{500}{1.49 \times 0.975} \times 1 / 1000$$

$$= 1.38358 \text{ mg/kg}$$

$$= 1.4 \text{ mg/kg (Reported Result with Signification)}$$

**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. AES Spike sample did meet requirements except for Copper, and Zinc. MS Spike sample (MYE4T8SRE) did meet requirements except for Lead, and Silver. MS Spike sample (MYE4T8S) did meet requirements except for Copper, and Silver. Duplicate sample did meet requirements except for Calcium, Chromium, Copper, Iron, Magnesium, Manganese, Vanadium, and Zinc. 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.

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc



**284 Sheffield Street  
Mountainside, NJ 07092**

Cobalt	45Sc
Copper	45Sc
Lead	209Bi
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

<b>Date:</b> 09/11/2024	<b>MA:</b> 3225.1	<b>Title:</b> ICP-MS with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
<b>Method Source:</b> SFAM01.1	<b>Method:</b> ICP-MS	
<b>Matrix:</b> Soil/Sediment		
<b>Summary of Modification</b>		
<p>The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-MS. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.</p>		
<b>I. Analyte Modifications</b>		<b>Not applicable</b> <input checked="" type="checkbox"/>
<b>II. Calibration and QC Requirements</b>		<b>Not applicable</b> <input type="checkbox"/>
<p>The Laboratory shall:</p> <ul style="list-style-type: none"> <li>• Use the Method Detection Limits (MDLs) determined for routine soil analyses (i.e., Method 200.8) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.</li> <li>• Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.</li> <li>• Prepare a Matrix Spike spiked at three times the levels specified in the SOW.</li> <li>• Prepare and analyze an additional Matrix Spike sample spiked at five times the levels specified for this Modified Analysis (i.e., 15x the levels specified in the SOW).</li> <li>• Post-Digestion Spike requirements apply to the 5x Matrix Spike only.</li> <li>• Post-Digestion Spike corrective actions apply to Sb.</li> </ul>		
<b>III. Preparation and Method Modifications</b>		<b>Not applicable</b> <input type="checkbox"/>
<p>The Laboratory shall:</p> <ul style="list-style-type: none"> <li>• Prepare and analyze the sample by EPA Draft Method 3050C as follows: <ul style="list-style-type: none"> <li>○ Mix sample thoroughly and transfer 1.00 – 1.50 g to a digestion vessel.</li> <li>○ Add 10 mL 1:1 HNO<sub>3</sub> and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10-15 minutes.</li> <li>○ Add 5 mL concentrated HNO<sub>3</sub> and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.</li> <li>○ Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).</li> <li>○ Cool sample, add 2mL water and 3 mL 30% H<sub>2</sub>O<sub>2</sub>. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% H<sub>2</sub>O<sub>2</sub> until effervescence is minimal.</li> <li>○ Reduce volume to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).</li> <li>○ Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.</li> </ul> </li> <li>• The same sample extracts can be used for ICP-AES analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.</li> <li>• Analyze the samples starting at an initial 5x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.</li> <li>• Method Blanks, both LCSs, and all instrument QC are to be analyzed undiluted.</li> </ul>		

**IV. Special Reporting Requirements****Not applicable**☐

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 1.0 and a final volume of 500 mL, per the SOW.
- Report the additional LCS as "LCSD" in the raw data and in the EDD with QCType "Laboratory\_Control\_Sample\_Duplicate".
- Report the additional Matrix Spike with an "SRE" suffix in the raw data and EDD.
- Report any Post-Digestion Spike of the additional 5x Matrix Spike with an "ARE" suffix.

<b>Date:</b> 09/11/2024	<b>MA:</b> 3226.1	<b>Title:</b> ICP-AES with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
<b>Method Source:</b> SFAM01.1	<b>Method:</b> ICP-AES	
<b>Matrix:</b> Soil/Sediment		
<b>Summary of Modification</b>		
<p>The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-AES. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.</p>		
<b>I. Analyte Modifications</b>		<b>Not applicable</b> <input checked="" type="checkbox"/>
<b>II. Calibration and QC Requirements</b>		<b>Not applicable</b> <input type="checkbox"/>
<p>The Laboratory shall:</p> <ul style="list-style-type: none"> <li>• Use the Method Detection Limits determined for routine soil analyses (i.e., Method 3050B) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.</li> <li>• Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.</li> <li>• Prepare a Matrix Spike spiked at two times the levels specified in the SOW.</li> <li>• Post-Digestion Spike requirements apply to the 2x Matrix Spike.</li> <li>• Post-Digestion Spike corrective actions apply to Sb.</li> </ul>		
<b>III. Preparation and Method Modifications</b>		<b>Not applicable</b> <input type="checkbox"/>
<p>The Laboratory shall:</p> <ul style="list-style-type: none"> <li>• Prepare and analyze the sample by EPA Draft Method 3050C as follows: <ul style="list-style-type: none"> <li>○ Mix sample thoroughly and transfer 1.00 – 1.50 g to a digestion vessel.</li> <li>○ Add 10 mL 1:1 HNO<sub>3</sub> and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.</li> <li>○ Add 5 mL concentrated HNO<sub>3</sub> and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.</li> <li>○ Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).</li> <li>○ Cool sample, add 2mL water and 3 mL 30% H<sub>2</sub>O<sub>2</sub>. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% H<sub>2</sub>O<sub>2</sub> until effervescence is minimal.</li> <li>○ Reduce volume to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).</li> <li>○ Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.</li> </ul> </li> <li>• The same sample extracts can also be used for ICP-MS analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.</li> <li>• Analyze the samples starting at an initial 2x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.</li> <li>• Verify that the dilution was adequate to reduce interferences to within the method calibration range. This can optionally be verified by visual verification of the spectrogram or by analysis of a serial dilution. There are other acceptable means to provide assurance, e.g. some software may automatically provide guidance to the analyst.</li> <li>• Method Blanks, both LCS, and all instrument QC are to be analyzed undiluted.</li> </ul>		

<b>IV. Special Reporting Requirements</b>	<b>Not applicable</b> <input type="checkbox"/>
<p>The Laboratory shall:</p> <ul style="list-style-type: none"><li>• Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.</li><li>• Initial analysis data are reported with a dilution factor of 2.0 and a final volume of 100 mL, per the SOW.</li><li>• Report the additional LCS as "LCSD" in the raw data and in the EDD with QCType "Laboratory_Control_Sample_Duplicate".</li><li>• Ensure that up-to-date Interelement Correction Factors (IECs) are provided with the data package.</li></ul>	

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
As 189.042 {479}	<input checked="" type="checkbox"/>	1	Fe	-0.000064	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	5	Mo	-0.002450	0.000000	No
			Co	0.002248	0.000000	No
			Ti	-0.000500	0.000000	No
			Mn	0.000370	0.000000	No
			V	-0.012340	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	6	Mo	-0.001480	0.000000	No
			Al	-0.000075	0.000000	No
			Cu	0.001400	0.000000	No
			Fe	0.000030	0.000000	No
			Mn	0.000340	0.000000	No
			Ni	0.000630	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	3	Fe	-0.000308	0.000000	No
			Mn	0.000470	0.000000	No
			Co	-0.000630	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	4	Cr	0.010700	0.000000	No
			V	-0.001168	0.000000	No
			Mo	-0.002850	0.000000	No
			Ni	-0.000440	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.037230	0.000000	No
Ba 493.409 { 68}	<input type="checkbox"/>	None				
Be 234.861 {144}	<input checked="" type="checkbox"/>	3	Mo	-0.000320	0.000000	No
			Fe	0.000010	0.000000	No
			Mn	-0.000047	0.000000	No
Cd 214.438 {457}	<input checked="" type="checkbox"/>	1	Fe	0.000040	0.000000	No
Ca 373.690 { 90}	<input type="checkbox"/>	None				
Cr 267.716 {126}	<input checked="" type="checkbox"/>	1	Mn	0.000160	0.000000	No
Co 228.616 {448}	<input checked="" type="checkbox"/>	2	Ti	0.001840	0.000000	No
			Mo	-0.001230	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	4	Co	-0.000796	0.000000	No
			Fe	-0.000100	0.000000	No
			Mn	0.000345	0.000000	No
			Ni	0.000895	0.000000	No
Fe 259.837 {130}	<input type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	1	Ni	0.000897	0.000000	No
Mg 279.079 {121}	<input type="checkbox"/>	None				
Ni 231.604 {446}	<input type="checkbox"/>	None				
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	Fe	-0.000100	0.000000	No
			Mn	0.000146	0.000000	No
			V	-0.000889	0.000000	No
Na 818.326 { 41}	<input type="checkbox"/>	None				
V 292.402 {115}	<input checked="" type="checkbox"/>	2	Mo	-0.008480	0.000000	No
			Cr	-0.002220	0.000000	No
Zn 206.200 {464}	<input type="checkbox"/>	None				
Zn 213.856 {158}	<input checked="" type="checkbox"/>	1	Ni	0.007280	0.000000	No
K 769.896 { 44}	<input type="checkbox"/>	None				
P 177.495 {490}	<input checked="" type="checkbox"/>	2	Ni	0.001640	0.000000	No
			Cu	-0.012530	0.000000	No
B 249.678 {135}	<input checked="" type="checkbox"/>	3	Co	0.002880	0.000000	No
			V	-0.002000	0.000000	No
			Fe	-0.001360	0.000000	No
Mo 202.030 {467}	<input type="checkbox"/>	None				
S 182.034 {485}	<input checked="" type="checkbox"/>	2	Mo	-0.008000	0.000000	No
			Mn	0.002700	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-In-fit?
Si 251.611 {134}	<input checked="" type="checkbox"/>	2	Mo	0.010520	0.000000	No
			Ti	0.005650	0.000000	No
Sn 189.989 {478}	<input type="checkbox"/>	None				
Ti 336.121 {100}	<input checked="" type="checkbox"/>	1	Ni	-0.001000	0.000000	No
Li 670.784 { 50}	<input type="checkbox"/>	None				
Y 224.306 {450}*	<input type="checkbox"/>	None				
Y 360.073 { 94}*	<input type="checkbox"/>	None				
Y 371.030 { 91}*	<input type="checkbox"/>	None				
Y 224.306 {150}*	<input type="checkbox"/>	None				
In 230.606 {446}*	<input type="checkbox"/>	None				
Sr 407.771 { 83}	<input type="checkbox"/>	None				



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/28/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 13:05  
In Date: 10/26/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 07:33  
Out Date: 10/27/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB133144

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
P4523-01	MYE4T2	1	1.16	8.78	9.94	9.72	97.5	
P4523-02	MYE4T3	2	1.15	8.41	9.56	9.5	99.3	
P4523-03	MYE4T4	3	1.15	8.63	9.78	9.34	94.9	
P4523-04	MYE4T5	4	1.16	8.42	9.58	9.39	97.7	
P4523-05	MYE4T6	5	1.16	8.47	9.63	9.45	97.9	
P4523-06	MYE4T7	6	1.16	8.70	9.86	9.72	98.4	
P4523-07	MYE4T8	7	1.18	8.37	9.55	9.46	98.9	
P4523-08	MYE4T8D	8	1.18	8.37	9.55	9.46	98.9	
P4523-09	MYE4T8S	9	1.18	8.37	9.55	9.46	98.9	
P4523-10	MYE4T9	10	1.18	8.66	9.84	9.66	97.9	
P4523-11	MYE4W8	11	1.16	8.67	9.83	9.67	98.2	
P4523-12	MYE4W9	12	1.16	8.65	9.81	9.63	97.9	
P4523-13	MYE4X0	13	1.16	8.48	9.64	9.53	98.7	
P4523-14	MYE4X1	14	1.18	8.73	9.91	9.66	97.1	
P4523-15	MYE4X2	15	1.15	8.80	9.95	9.61	96.1	
P4523-16	MYE4X3	16	1.18	8.64	9.82	9.6	97.5	
P4523-17	MYE4X4	17	1.17	8.59	9.76	9.53	97.3	
P4523-18	MYE4X5	18	1.16	8.59	9.75	9.61	98.4	
P4523-19	MYE4X6	19	1.17	8.70	9.87	9.55	96.3	
P4523-20	MYE4X7	20	1.18	8.76	9.94	9.77	98.1	
P4523-21	MYE4X8	21	1.15	8.57	9.72	9.53	97.8	
P4523-22	MYE4X9	22	1.15	8.43	9.58	9.32	96.9	

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

# WORKLIST(Hardcopy Internal Chain)

133144

WorkList Name : %1-p4523

WorkList ID : 184827

Department : Wet-Chemistry

Date : 10-26-2024 11:45:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4523-01	MYE4T2	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-02	MYE4T3	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-03	MYE4T4	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-04	MYE4T5	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-05	MYE4T6	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-06	MYE4T7	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-07	MYE4T8	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-08	MYE4T8D	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-09	MYE4T8S	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-10	MYE4T9	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-11	MYE4W8	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-12	MYE4W9	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-13	MYE4X0	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-14	MYE4X1	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-15	MYE4X2	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-16	MYE4X3	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-17	MYE4X4	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-18	MYE4X5	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-19	MYE4X6	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-20	MYE4X7	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO
P4523-21	MYE4X8	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO

Date/Time 10/26/24 12:37  
 Raw Sample Received by: [Signature]  
 Raw Sample Relinquished by: [Signature]

Date/Time 10/26/24  
 Raw Sample Received by: [Signature]  
 Raw Sample Relinquished by: [Signature]

13.10

WORKLIST(Hardcopy Internal Chain)

133144

WorkList Name : %1-p4523

WorkList ID : 184827

Department : Wet-Chemistry

Date : 10-26-2024 11:45:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4523-22	MYE4X9	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	04/24/2024	Chemtech -SO

Date/Time 10/26/24 12:34  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: [Signature]

Date/Time 10/26/24 13:10  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: [Signature]