

## SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51495 MA No.: 3221.2 SDG No.: MYD3S7  
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
MYD3S6	P2734-01		X		
MYD3S7	P2734-02		X		
MYD3S7D	P2734-03		X		
MYD3S7S	P2734-04		X		
MYD3S8	P2734-05		X		
MYD3S9	P2734-06		X		
MYD3T0	P2734-07		X		
MYD3T1	P2734-08		X		
MYD3T2	P2734-09		X		
MYD3T3	P2734-10		X		
MYD3T4	P2734-11		X		
MYD3T5	P2734-12		X		
MYD3T6	P2734-13		X		
MYD3T7	P2734-14		X		
MYD3T8	P2734-15		X		
MYD3T9	P2734-16		X		
MYD3W0	P2734-17		X		
MYD3W1	P2734-18		X		
MYD3W2	P2734-19		X		
MYD3W3	P2734-20		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: \_\_\_\_\_

**No: 9-060424-102210-0055**

Lab: Alliance Technical Group LLC  
Lab Contact: Mohammad Ahmed  
Lab Phone: 908-728-3151

[illegible]

**Shipment for Case Complete? N**

**Analysis Key: ICP-AES 11=ICP-AES 11+Metals**

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Shuttle bell	Caroline Carpenter USCIS	6/14/2021 15:00		940 6/15/21	TP-Exam 23.2
					Custody Seal Intact
					no temp Blank

68HERH20D0011

SDG # MYD3S6 &amp; MYD3S7

## USEPA CLP COC (LAB COPY)

Date Shipped: 6/6/2024

Carrier Name: FedEx

Airbill No: 7767 1581 6750

## CHAIN OF CUSTODY RECORD

Case #: 51495

Cooler #: 51495-056

No: 9-060524-100839-0056

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
135-A-S001-01	MYD3T2	Soil/ REAC	Grab	ICP-AES 11(21)	9-3260 (None) (1)	135-A-S001	06/04/2024 15:22	*
135-A-001-01	MYD3T3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3261 (None) (1)	135-A-001	06/04/2024 15:21	*
135-A-004-01	MYD3T4	Soil/ REAC	Grab	ICP-AES 11(21)	9-3262 (None) (1)	135-A-004	06/04/2024 15:18	*
135-A-002-01	MYD3T5	Soil/ REAC	Grab	ICP-AES 11(21)	9-3263 (None) (1)	135-A-002	06/04/2024 15:24	*
135-A-005-01	MYD3T6	Soil/ REAC	Grab	ICP-AES 11(21)	9-3264 (None) (1)	135-A-005	06/04/2024 15:14	*
2119A_2119B-Q-0003-01	MYD3T7	Soil/ REAC	Grab	ICP-AES 11(21)	9-3265 (None) (1)	2119A_2119B-Q-00003	06/04/2024 11:01	*
2119A_2119B-E-0002-01	MYD3T8	Soil/ REAC	Grab	ICP-AES 11(21)	9-3266 (None) (1)	2119A_2119B-E-00002	06/04/2024 11:35	*
2119A_2119B-E-00010-01	MYD3T9	Soil/ REAC	Grab	ICP-AES 11(21)	9-3267 (None) (1)	2119A_2119B-E-00010	06/04/2024 11:31	*
2119A_2119B-E-00003-01	MYD3W0	Soil/ REAC	Grab	ICP-AES 11(21)	9-3268 (None) (1)	2119A_2119B-E-00003	06/04/2024 11:25	*
2119A_2119B-E-00007-01	MYD3W1	Soil/ REAC	Grab	ICP-AES 11(21)	9-3269 (None) (1)	2119A_2119B-E-00007	06/04/2024 11:23	*
2119A_2119B-E-00009-01	MYD3W2	Soil/ REAC	Grab	ICP-AES 11(21)	9-3270 (None) (1)	2119A_2119B-E-00009	06/04/2024 11:16	*
2119A_2119B-E-00004-01	MYD3W3	Soil/ REAC	Grab	ICP-AES 11(21)	9-3271 (None) (1)	2119A_2119B-E-00004	06/04/2024 11:12	*

Special Instructions: ICP-AES 11+ Metals: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Ti, V, Zn

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES 11=ICP-AES 11+Metals

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
SNIP to Lab	Caroline Eugene Weston	6/6/2024 15:00		6-7-24 0920	24.2°C IAL GUV #1
					Custody seals intact
					NO Temp diff.

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>Cassanova Rere</u>		Log-in Date <b>6/5/2024</b>
Received By (Signature) <u>[Signature]</u>		
Case Number <b>51495</b>	SDG No. <b>MYD3S6 &amp; MYD3S7</b>	MA No. <b>3208.0 &amp; 3221.2</b>

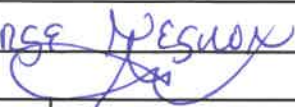

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>776692727257</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	<u>23.2</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>06/05/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MYD3S6	N/A	9-3254	P2734-01	Intact
2	MYD3S7	N/A	9-3255	P2734-02	Intact
3	MYD3S7D	N/A	9-3255	P2734-03	Intact
4	MYD3S7S	N/A	9-3255	P2734-04	Intact
5	MYD3S8	N/A	9-3256	P2734-05	Intact
6	MYD3S9	N/A	9-3257	P2734-06	Intact
7	MYD3T0	N/A	9-3258	P2734-07	Intact
8	MYD3T1	N/A	9-3259	P2734-08	Intact
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
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>6/7/24</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>George Mesuex</u>		Log-in Date <b>6/7/2024</b>
Received By (Signature) 		
Case Number <b>51495</b>	SDG No. <b>MYD3S6 &amp; MYD3S7</b>	MA No. <b>N/A 3208.0 &amp; 3221.2</b> 

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	<u>n/a</u>
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	<u>776715816750</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	<u>24.2</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>06/07/2024</u>
12. Time Received	<u>09:20</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MYD3T2	N/A	9-3260	P2734-09	Intact
2	MYD3T3	N/A	9-3261	P2734-10	Intact
3	MYD3T4	N/A	9-3262	P2734-11	Intact
4	MYD3T5	N/A	9-3263	P2734-12	Intact
5	MYD3T6	N/A	9-3264	P2734-13	Intact
6	MYD3T7	N/A	9-3265	P2734-14	Intact
7	MYD3T8	N/A	9-3266	P2734-15	Intact
8	MYD3T9	N/A	9-3267	P2734-16	Intact
9	MYD3W0	N/A	9-3268	P2734-17	Intact
10	MYD3W1	N/A	9-3269	P2734-18	Intact
11	MYD3W2	N/A	9-3270	P2734-19	Intact
12	MYD3W3	N/A	9-3271	P2734-20	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 	Logbook No. <b>N/A</b>
Date <u>6/7/24</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.	51495	SDG NO.	MYD3S7
MA NO.	3208.0,3221.2	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	14	✓	
6. Communication Logs	15	18	✓	
7. Percent Solids Log	19	20	✓	
<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	NA	NA	✓	
9. Instrument raw data by instrument in analysis order	NA	NA	✓	
<b>Other Data</b>				
10. Standard and Reagent Preparation Logs	NA	NA	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
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	21	38	✓	
18. Instrument raw data by instrument in analysis order	39	1952	✓	
<b>Other Data</b>				
19. Standard and Reagent Preparation Logs	1953	2117	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	2118	2119	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	2120	2138	✓	
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)

46. Internal Lab Sample Transfer Records and Tracking Sheets  
(describe or list)47. Other Records and related Communication Logs  
(describe or list)

## 48. Comments:

Completed by:  
(CLP Lab)Audited by:  
(EPA)

Nimisha Pandya, Document Control Officer

PAGE NOS:		CHECK	
FROM	TO	LAB	REGION
2139	2140	✓	
NA	NA	✓	
2141	2143	✓	
NA	NA	✓	
2144	2144	✓	
NA	NA	✓	





**284 Sheffield Street  
Mountainside, NJ 07092**

## **SDG NARRATIVE**

**USEPA**

**SDG # MYD3S7**

**CASE # 51495**

**CONTRACT # 68HERH20D0011**

**SOW# SFAM01.1**

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

**LAB CODE: ACE**

**LAB ORDER ID # P2734**

**MODIFIED ANALYSIS#3221.2**

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

18 Soil sample were delivered to the laboratory intact on 06/05/2024, 06/07/2024.

### **B. Parameters**

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: 23.2°C, 24.2°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.

Issue 2: The laboratory received samples without ice. The coolers had temperatures 24.2 degrees C, 23.2 degrees C, 23.8 degrees C, 24.1 degrees C, and 26.1 degrees C upon arrival. The laboratory would like to know how to proceed.

### **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.



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Resolution 2: Per Region 9, Case 51495 is for metals. There are no rinsates in those cooler so they don't require ice. The laboratory should 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:**

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

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

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 MYD3S6 For Antimony:**

If C = 1.80 ppb

Vf = 500 ml

W = 1.48 g

S = 0.987(98.7/100)

DF = 1

$$\text{Concentration (mg/kg)} = 1.80 \times \frac{500}{1.48 \times 0.987} \times 1 / 1000$$

$$= 0.61611 \text{ mg/kg}$$

$$= 0.62 \text{ mg/kg (Reported Result with Signification)}$$



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#### **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 (MYD3S7SRE) did meet requirements except for Arsenic, Lead. . Spike sample (MYD3S7S) did meet requirements except for Lead. Duplicate sample did meet requirements. 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
Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc



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Mountainside, NJ 07092**

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> 09/04/2024	<b>MA:</b> 3221.1	<b>Title:</b> ICP-MS Re-Digestion and Re-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 re-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>○ 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.
- The 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.

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**From:** Hairston, Miles (NE) <Miles.Hairston@gdit.com>  
**Sent:** Monday, June 10, 2024 3:37 PM  
**To:** Deepak Parmar; Sohil Jodhani; Mohammad Ahmed  
**Cc:** R9RSCC (R9RSCC@epa.gov); carmon.jamie@epa.gov; Spiegel, Michael (he/him/his)  
**Subject:** Region 09 | Case 51495 | Lab ACE | Issue Samples received at an elevated temperature | FINAL

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

Please advise on the issue below.

Issue: The laboratory received samples without ice. The coolers had temperatures 24.2 degrees C, 23.2 degrees C, 23.8 degrees C, 24.1 degrees C, and 26.1 degrees C upon arrival. The laboratory would like to know how to proceed.  
Resolution: Per Region 9, Case 51495 is for metals. There are no rinsates in those cooler so they don't require ice. The laboratory should note the issue in the SDG narrative and proceed with the analysis of the samples.

Please note that the laboratory will have to contact the appropriate CLP COR should any defects need to be waived for this issue.

Thanks,  
Miles Hairston  
Associate Environmental Analyst  
Under contract to EPA  
QSS Coordinator – EPA Regions 1, 8, and 9

Work Phone: +1 571-454-0346  
[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)  
15036 Conference Center Drive  
Chantilly, VA 20151  
[www.gdit.com](http://www.gdit.com)

**Leave alert: N/A**

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Automation Technology

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**From:** R9RSCC <R9RSCC@epa.gov>  
**Sent:** Monday, June 10, 2024 3:23 PM  
**To:** Hairston, Miles (NE) <Miles.Hairston@gdit.com>  
**Cc:** R9RSCC <R9RSCC@epa.gov>  
**Subject:** RE: Region 09 | Case 51495 | Lab ACE | Issue Samples received at an elevated temperature

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Hi Miles,

Case 51495 is for metals. The client said there are no rinsates in those cooler so they don't require ice. Please have the lab proceed with analysis.

Thanks

-Jamie

Jamie Carmon (she/her)

\*\*\*\*\*

Region 9

RSCC (Regional Sample Control Coordinator)

Phone: 510-412-2389

Email: [R9RSCC@epa.gov](mailto:R9RSCC@epa.gov)

---

**From:** Hairston, Miles (NE) <[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)>

**Sent:** Monday, June 10, 2024 11:35 AM

**To:** R9RSCC <[R9RSCC@epa.gov](mailto:R9RSCC@epa.gov)>; Carmon, Jamie (she/her/hers) <[Carmon.Jamie@epa.gov](mailto:Carmon.Jamie@epa.gov)>; Spiegel, Michael (he/him/his) <[Spiegel.Michael@epa.gov](mailto:Spiegel.Michael@epa.gov)>

**Subject:** Region 09 | Case 51495 | Lab ACE | Issue Samples received at an elevated temperature

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Good afternoon,

Please advise on the issue below.

Issue: The laboratory received samples without ice. The coolers had temperatures 24.2 degrees C, 23.2 degrees C, 23.8 degrees C, 24.1 degrees C, and 26.1 degrees C upon arrival. The laboratory would like to know how to proceed.

Thanks,

Miles Hairston

Associate Environmental Analyst

Under contract to EPA

QSS Coordinator – EPA Regions 1, 8, and 9

Work Phone: +1 571-454-0346

[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)

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**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>  
**Sent:** Monday, June 10, 2024 1:54 PM  
**To:** Hairston, Miles (NE) <[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)>  
**Cc:** Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Subject:** RE: Region 09 | Case 51495 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

**This Message Is From an External Sender**






Please use caution with links, attachments, and any requests for credentials.

Good afternoon,

the temperature of the cooler upon arrival is 24.2,23.2,23.8,24.1,26.1 without ice .

**Thanks & Regards,**



**Deepak Parmar**  
QA/QC  
An Alliance Technical Group Company  
Main: 908-789-8900  
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)     

---

**From:** Hairston, Miles (NE) <[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)>  
**Sent:** Monday, June 10, 2024 1:46 PM  
**To:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>  
**Cc:** Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>  
**Subject:** Region 09 | Case 51495 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

What was the temperature of the cooler upon arrival?

Thanks,  
Miles Hairston  
Associate Environmental Analyst  
Under contract to EPA  
QSS Coordinator – EPA Regions 1, 8, and 9

Work Phone: +1 571-454-0346  
[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)  
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[www.gdit.com](http://www.gdit.com)

**Leave alert: N/A**



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**From:** Deepak Parmar <[Deepak.Parmar@alliancetg.com](mailto:Deepak.Parmar@alliancetg.com)>

**Sent:** Monday, June 10, 2024 1:06 PM

**To:** Hairston, Miles (NE) <[Miles.Hairston@gdit.com](mailto:Miles.Hairston@gdit.com)>

**Cc:** Sohil Jodhani <[Sohil.Jodhani@AllianceTG.com](mailto:Sohil.Jodhani@AllianceTG.com)>; Mohammad Ahmed <[mohammad.ahmed@alliancetg.com](mailto:mohammad.ahmed@alliancetg.com)>

**Subject:** Region 09 | Case 51495 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

**This Message Is From an External Sender**

Please use caution with links, attachments, and any requests for credentials.

Good morning ,

Sample received for Case 51495 without ice ,there for lab like to confirm that can lab proceed with the analysis of the sample ?

**Thanks & Regards,**



**Deepak Parmar**

QA/QC

An Alliance Technical Group Company

Main: 908-789-8900

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

[www.alliancetg.com](http://www.alliancetg.com)



**PERCENT SOLID**

Supervisor: Iwona  
Analyst: jignesh  
Date: 6/10/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 15:00  
In Date: 06/07/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:00  
Out Date: 06/08/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB131129

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
P2734-01	MYD3S6	1	1.12	8.65	9.77	9.66	98.7	
P2734-02	MYD3S7	2	1.18	8.52	9.7	9.5	97.7	
P2734-03	MYD3S7D	3	1.18	8.52	9.7	9.5	97.7	
P2734-04	MYD3S7S	4	1.18	8.52	9.7	9.5	97.7	
P2734-05	MYD3S8	5	1.15	8.63	9.78	9.55	97.3	
P2734-06	MYD3S9	6	1.15	8.80	9.95	9.84	98.8	
P2734-07	MYD3T0	7	1.14	8.40	9.54	9.47	99.2	
P2734-08	MYD3T1	8	1.12	8.77	9.89	9.82	99.2	
P2734-09	MYD3T2	9	1.16	8.56	9.72	9.18	93.7	
P2734-10	MYD3T3	10	1.12	8.73	9.85	9.35	94.3	
P2734-11	MYD3T4	11	1.18	8.54	9.72	9.1	92.7	
P2734-12	MYD3T5	12	1.18	8.60	9.78	9.47	96.4	
P2734-13	MYD3T6	13	1.16	8.70	9.86	9.83	99.7	
P2734-14	MYD3T7	14	1.16	8.67	9.83	9.57	97.0	
P2734-15	MYD3T8	15	1.12	8.72	9.84	9.72	98.6	
P2734-16	MYD3T9	16	1.16	8.48	9.64	9.51	98.5	
P2734-17	MYD3W0	17	1.18	8.42	9.6	9.47	98.5	
P2734-18	MYD3W1	18	1.13	8.80	9.93	9.8	98.5	
P2734-19	MYD3W2	19	1.12	8.74	9.86	9.55	96.5	
P2734-20	MYD3W3	20	1.13	8.74	9.87	9.72	98.3	

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

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-p2734

WorkList ID : 180906

Department : Wet-Chemistry

Date : 06-07-2024 14:42:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2734-01	MYD3S6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-02	MYD3S7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-03	MYD3S7D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-04	MYD3S7S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-05	MYD3S8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-06	MYD3S9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-07	MYD3T0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-08	MYD3T1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-09	MYD3T2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/03/2024	Chemtech -SO
P2734-10	MYD3T3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-11	MYD3T4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-12	MYD3T5	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-13	MYD3T6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-14	MYD3T7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-15	MYD3T8	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-16	MYD3T9	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-17	MYD3W0	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-18	MYD3W1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-19	MYD3W2	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO
P2734-20	MYD3W3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q52	06/04/2024	Chemtech -SO

Date/Time 06/07/24 14:50

Raw Sample Received by: J8601

Raw Sample Relinquished by: J8601

Date/Time 06/07/24 16:06

Raw Sample Received by: J8601

Raw Sample Relinquished by: J8601