### SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011 Lab Code: Case No.: 51955 MA No.: 3152.0 SDG No.: YE8F8 SOW No. : SFAM01.1 Analysis Method EPA Sample No. Lab Sample Id ICP-AES ICP-MS Mercury Cyanide YE8F5 Q1135-01 Χ Χ Χ YE8F7 Q1135-02 Χ Χ Χ YE8F7D Q1135-03 Χ Χ Χ YE8F7S Q1135-04 Χ Χ YE8F8 Q1135-05 Χ Χ Χ YE8F9 Q1135-06 Χ Χ Χ YE8H9 Q1135-07 Χ Χ Χ YE8J0 Q1135-08 Χ Χ Χ YE8H7 Q1135-09 Χ Χ Q1135-10 Χ Χ Χ YE8J1 Χ Χ Χ YE8E3 Q1135-11 YE8E4 Q1135-12 Χ Χ Χ YE8E5 Q1135-13 Χ Χ Χ Χ Χ Χ YE8E6 Q1135-14 YE8E7 Q1135-15 Χ Χ Χ YE8E8 Q1135-16 Χ Χ Χ YE8D2 Q1135-17 Χ Χ Χ YE8D4 Q1135-18 Χ Χ Χ YE8C3 Q1135-19 Χ Χ Χ YE8D0 Q1135-21 Χ Χ Χ YE8D5 Q1135-22 Χ Χ Χ

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:

### USEPA CLP COC (LAB COPY)

DateShipped: 1/17/2025 CarrierName: FedEx AirbillNo: 7714 8858 7235

### CHAIN OF CUSTODY RECORD

Case #: 51955 MA 3152.0

### SDG # YE8F8

68HERH20D0011

No: 9-011625-150913-0008

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-28-SO-17.5- 18.5	YE8F5	Soil/ EAEST	Grab	ICP-AES/MS(21), SPLP ICP-AES(21)	332 (Wet Ice), 336 (Wet Ice) (3)	28	01/15/2025 12:30	1 /
MW-28-SO-3-4	YE8F7	Soil/ EAEST	Grab	ICP-AES/MS(21), SPLP ICP-AES(21)	346 (Wet Ice), 350 (Wet Ice) (3)	28	01/15/2025 09:05	10 00
MW-28-SO-8-10	YE8F8	Soil/ EAEST	Grab	ICP-AES/MS(21), SPLP ICP-AES(21)	353 (Wet Ice), 357 (Wet Ice) (3)	28	01/15/2025 09:10	73
MW-928-SO-8-10	YE8F9	Soil/ EAEST	Grab	ICP-AES/MS(21)	360 (Wet Ice) (1)	928	01/15/2025 09:10	5

Items/Reason R	4			
Items/Reason Relinquished by (Signature and Organization) Date/Time	HIlison Huse 1600			
n) Date/Time	6			
Received by (Signature and Organization)	Pan			
Date/Time	1 8/25	2101		*>
Date/Time Sample Condition Upon Receipt	8/25 2-3	Tremt	Demp blood bu	Lind and Id

Analysis Key: ICP-AES/MS=ICP-AES/MS Metals+Hg MA 3152.0, pH, SPLP ICP-AES=SPLP ICP-AES Metals + Hg, pH

Sample(s) to be used for Lab QC: MW-28-SO-3-4 Tag 346, MW-28-SO-3-4 Tag 350

Samples Transferred From Chain of Custody #

Shipment for Case Complete? N

SDG # YE8F8

### USEPA CLP COC (LAB COPY)

AirbillNo: 7714 8894 1532 CarrierName: FedEx DateShipped: 1/17/2025

CHAIN OF CUSTODY RECORD

Case #: 51955 MA 3152.0

No: 9-011725-082926-0010

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

	Sample Identifier Sample No.  MW-27-SO-2-3 YE8H9	Matrix/Sampler Soil/	Method Grab	(Days)  ICP-AES/MS(21),  SV/OA/21) SDI DICP-	Tag/Preservative/Bottles 448 (Wet Ice), 449 (Wet Ice),		Location 27
	YE8H9	Soil/	Grab	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	448 (Wet Ice), 449 450 (Wet Ice	e) (Wet Ice), e) (4)	
MW-27-SO-5.5- 6.5	. YE8J0	Soil/	Grab	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	452 (Wet Ice), 453 (Wet Ice), 454 (Wet Ice) (4)	) (Wet Ice), e) (4)	3 (Wet Ice), 27 e) (4)
MW-27-SO-18.5- 19.5	- YE8J1	Soil/	Grab	SPLP ICP-AES(21)	457 (Wet Ice) (2)	ce) (2)	ce) (2) 27

Analysis Key: ICP-AES/MS=ICP-AES/MS Metals+Hg MA 3152.0, pH, SVOA=Semivolatiles, SPLP ICP-AES=SPLP ICP-AES Metals + Hg, pH	Special Instructions:	
s + Hg, pH	Samples Transferred From Chain of Custody #	Shipment for Case Complete? N

Items/Reason				
Items/Reason Relinquished by (Signature and Organization) Date/Time	MUX EA	0 0		
Date/Time	1200			
Received by (Signature and Organization)	Pen			
Date/Time	1/18/25	10:54		
Date/Time Sample Condition Upon Receipt	Sin	Frem H	Tex Wen how	

SDG # YE8F8

USEPA CLP COC (LAB COPY)

DateShipped: 1/17/2025 CarrierName: FedEx AirbillNo: 7714 8892 1210

Case #: 51955 MA 3152.0 CHAIN OF CUSTODY RECORD

No: 9-011725-083612-0011

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900

YEBH7         Water/ EAEST         Grab         ICP-AES(21), TVOA(21), SVOA(21)         444 (HNO3 pH<2, Wet Ice), 446 (Wet Ice), HCl pH <2), 447 (Wet Ice), 456
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			Items/Reason
	00	750	Items/Reason Relinquished by (Signature and Organization)
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		1200	Date/Time
		Par	Received by (Signature and Organization)
	10:54	1/18/25	Date/Time
Enghlung	Them #	1.25	Date/Time Sample Condition Upon Receipt

Analysis Key: ICP-AES=ICP-AES Metals + Hg, pH, TVOA=Trace Volatiles, SVOA=Semivolatiles, VOA=Volatiles, ICP-AES/MS=ICP-AES/MS Metals+Hg MA 3152.0, pH

Samples Transferred From Chain of Custody #

Shipment for Case Complete? N

Special Instructions:

USEPA CLP COC (LAB COPY)

AirbillNo: 7715 3303 8663 CarrierName: FedEx DateShipped: 1/21/2025

68HERH20D0011

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

SDG # YE8F8

No: 9-011825-122406-0013

Case #: 51955 MA 3152.0

CHAIN OF CUSTODY RECORD

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Co Da	Collection Date/Time
MW-26-SO-1-2	YE8E3	Soil/ EAEST	Grab	ICP-AES/MS(21), SPLP ICP-AES(21)	248 (Wet Ice), 252 (Wet Ice) (3)	26	01/17/2025 10:45	10:45
MW-26-SO-3-4	YE8E4	Soil/ EAEST	Grab	ICP-AES/MS(21), SPLP ICP-AES(21)	255 (Wet Ice), 259 (Wet Ice) (3)	26	01/17/2025 10:50	10:50
MW-26-SO-5-6	YE8E5	Soil/ EAEST	Grab	ICP-AES/MS(21), SPLP ICP-AES(21)	262 (Wet Ice), 266 (Wet Ice) (3)	26	01/17/2025 10:55	10:55
MW-26-SO-20-22	YE8E6	Soil/ EAEST	Grab	ICP-AES/MS(21)	269 (Wet Ice) (1)	26	01/17/2025 11:10	11:10

Samples Transferred From Chain of Custody	Special Instructions:
Shipment for Case Complete? N	

CarrierName: FedEx AirbillNo: 7715 3298 1764

DateShipped: 1/21/2025 USEPA CLP COC (LAB COPY)

68HERH20D0011

### SDG # YE8F8

Lab: Alliance Technical Group LLC No: 9-011825-123309-0014 Lab Contact: Mohammad Ahmed

Lab Phone: 908-789-8900

### CHAIN OF CUSTODY RECORD

Case #: 51955 MA 3152.0

8	01/17/2025 16:00	26	283 (Wet Ice), 284 (Wet Ice), 287 (Wet Ice) (4)	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	Grab	Soil/ EAEST	YE8E8	MW-26-SO-51-52
5	01/17/2025 15:55	26	276 (Wet Ice), 277 (Wet Ice), 280 (Wet Ice) (4)	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	Grab	Soil/ EAEST	YE8E7	MW-26-SO-39-40
	01/17/2025 11:10	26	273 (Wet Ice) (2)	SPLP ICP-AES(21)	Grab	Soil/ EAEST	YE8E6	MW-26-SO-20-22
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier

Samples Transferred From Chain of Custody	Special Instructions:
Shipment for Case Complete? N	

		Items/Rea
	Allison flur EA	Items/Reason Relinquished by (Signature and Organization)
	52/2/10	Date/Time
	R	Received by (Signature and Organization)
	1.22.25	Date/Time
Creat for the	TR Con 4 ( 2.0.	Sample Condition Upon Receipt
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### USEPA CLP COC (LAB COPY)

DateShipped: 1/21/2025 AirbillNo: 7715 3303 2404 CarrierName: FedEx

### CHAIN OF CUSTODY RECORD

Case #: 51955 MA 3152.0

SDG # YE8F8

No: 9-011925-103859-0017

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

					MW-924-SO-5-7	MW-24-SO-58-60	MW-24-SO-38-40	Sample Identifier
					YE8D4	YE8D2	YE8D1	CLP Sample No.
					Soil/ EAEST	Soil/ EAEST	Soil/ EAEST	Matrix/Sampler
					Grab	Grab	Grab	Coll. Method
					ICP-AES/MS(21), SVOĄ(21), SPLP ICP- AES(21)	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	SPLP ICP-AES(21)	Analysis/Turnaround (Days)
					185 (Wet Ice), 186 (Wet Ice), 189 (Wet Ice) (4)	171 (Wet Ice), 172 (Wet Ice), 175 (Wet Ice) (4)	168 (Wet Ice) (2)	Tag/Preservative/Bottles
					924	24	24	Location
					01/18/2025 16:30	01/19/2025 09:50	01/19/2025 09:15	Collection Date/Time
					~	9		For Lab Use Only

Samples Transferred From Chain of Custody #	Special Instructions:
Shipment for Case Complete?	

			Items/Reaso
		Allison trus a EA	Items/Reason Relinquished by (Signature and Organization) Date/Time
		52/12/10	Date/Time
		R	Received by (Signeture and Organization)
		1-22-25	Date/Time
In But mes	Custody Spal Tube	10:10 26 EN 18.	Sample Condition Upon Receipt
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SDG # YE8F8

# USEPA CLP COC (LAB COPY)

CarrierName: FedEx AirbillNo: 7715 3303 4885 DateShipped: 1/21/2025

### **CHAIN OF CUSTODY RECORD**

Case #: 51955 MA 3152.0

No: 9-011925-103929-0018

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

				-	_	_				
Sample Identifier	MW-924-SO-38- 40	MW-24-SO-5-7	MW-24-SO-18-20							
CLP Sample No.	YE8C3	YE8C9	YE8D0							
Matrix/Sampler	Soil/ EAEST	Soil/ EAEST	Soil/ EAEST							
Coll. Method	Grab	Grab	Grab							
Analysis/Turnaround (Days)	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	ICP-AES/MS(21)							
Tag/Preservative/Bottles	108 (Wet Ice), 109 (Wet Ice), 112 (Wet Ice) (4)	150 (Wet Ice), 151 (Wet Ice), 154 (Wet Ice) (5)	157 (Wet Ice) (1)							
Location	924	24	24							
Collection Date/Time	01/19/2025 09:15	01/18/2025 16:30	01/18/2025 16:40							
For Lab Use Only	8									

Sample(s) to be used for Lab QC: MW-24-SO-5-7 Tag 150, MW-24-SO-5-7 Tag 151, MW-24-SO-5-7 Tag 154

Samples Transferred From Chain of Custody # Shipment for Case Complete?

Analysis Key: ICP-AES/MS=ICP-AES/MS Metals+Hg MA 3152.0, pH, SVOA=Semivolatiles, SPLP ICP-AES=SPLP ICP-AES Metals + Hg, pH

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10:15	R Molander	52/12/10	43 Simple	All
Date/Time	Received by (Signature and Organization)	Date/Time	Relinguished by (Signature and Organization)	Items/Reason Reling

SDG # YE8F8

# USEPA CLP COC (LAB COPY)

AirbillNo: 7715 3307 8108 CarrierName: FedEx DateShipped: 1/21/2025

### CHAIN OF CUSTODY RECORD

Case #: 51955 MA 3152.0

No: 9-011925-144654-0020

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

								MW-24-SO-69-70	Sample Identifier
								YE8D5	CLP Sample No.
								Soil/ EAEST	Matrix/Sampler
								Grab	Coll. Method
								ICP-AES/MS(21), SVOA(21), SPLP ICP- AES(21)	Analysis/Turnaround (Days)
								192 (Wet Ice), 193 (Wet Ice), 196 (Wet Ice) (4)	Tag/Preservative/Bottles
								24	Location
								01/19/2025 14:20	Collection Date/Time
								1/2	For Lab Use Only

				Shipment for Case Complete? N	omplete? N
Special Instructions:	ns:			Samples Transferred	Samples Transferred From Chain of Custody #
Analysis Key: ICF	Analysis Key: ICP-AES/MS=ICP-AES/MS Metals+Hg MA 3152.0, pH, SVOA=Semivolatiles, SPLP ICP-AES=SPLP ICP-AES Metals + Hg, pH	H, SVOA=Semivola	atiles, SPLP ICP-AES=SPLP ICP-AES Metals	+ Hg, pH	
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receip
	Alliagic House EA	52/12/10	P Holings	10:15	IR gm #1 2.
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Lab Name : Alliance Technical Group		Page 1 of 8
Received By (Print Name)	a Rena	Log-in Date 1/18/2025
Received By (Signature)		
Case Number 51955	SDG No. YE8F8	MA No. 3152.0

D	Τ
Remarks:  1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	771488587235 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.3 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	01/18/2025
12.Time Received	10:54

			Correspond	ling	Domento
	EPA Sample #	Aqueous Water Sample pH	, Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8F5	N/A	332	Q1135-01	Intact
2	YE8F7	N/A	346	Q1135-02	Intact
3	YE8F7D	N/A	346	Q1135-03	Intact
4	YE8F7S	N/A	346	Q1135-04	Intact
5	YE8F8	N/A	353	Q1135-05	Intact
6	YE8F9	N/A	360	Q1135-06	Intact
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By		Logbook No.	N/A
Date	1/27/25	Logbook Page No.	N/A

Lab Name : Alliance Technical Group	Page_2_of	
Received By (Print Name)	Log-in Date 1/18/2025	
Received By (Signature)	₹	
Case Number 51955	SDG No. YE8F8	MA No. 3152.0

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	771488941532 2
Shipping Container     Temperature     Indicator Bottle	Present
7. Shipping Container Temperature	2.1 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	01/18/2025
12.Time Received	10:54

			11/11/01		
	1				1
			Corresponding		Remarks:
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigned Lab #	Condition of Sample
1	ҮЕ8Н9	N/A	448	Q1135-07	Intact
2	YE8J0	N/A	452	Q1135-08	Intact
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By		Logbook No.	N/A	
Date	1/27/25	Logbook Page No.	N/A	

·	Lab Name : Alliance Technical Group, LLC				
Received By (Print Name assance Log-in Date 1/18/2025					
Received By (Signature)	*				
Case Number 51955	SDG No. YE8F8	MA No. 3152.0			

Remarks:		
1. Custody Seal (s)	Present, Intact	
2. Custody Seal Nos.	n/a	
3. Traffic Reports/Chain Of Custody Records	Present	
4. Airbill	Present	
5. Airbill No. and Shipping Container ID No.	771488921210	
6. Shipping Container Temperature Indicator Bottle	Present	
7. Shipping Container Temperature	1.2 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	01/18/2025	
12.Time Received	10:54	

			Thatton		
	T				
	EPA Sample #	Aqueous Water Sample pH	Correspon  Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8H7	1.3	444	Q1135-09	Intact
2	YE8J1	N/A	455	Q1135-10	Intact
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By	CAS.	Logbook No.	N/A	
Date	12725	Logbook Page No.	N/A	

Lab Name : Alliance Technical Group	Page_4_of_\{	
Received By (Print Name)	Log-in Date 1/22/2025	
Received By (Signature)		
Case Number 51955	SDG No. YE8F8	MA No. 3152.0

Dd	
Remarks:	
1. Custody Seal (s)	Present, Intact
Custody Seal     Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and	771533038663
Shipping Container ID No.	4
ID No.	
Shipping Container     Temperature     Indicator Bottle	Present
7. Shipping Container Temperature	1.9 Degree C
8. Sample Condition	Intact
9. Sample Tags	Absent
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	01/22/2025
12.Time Received	10:15

			Corresponding		D
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8E3	N/A	248	Q1135-11	Intact
2	YE8E4	N/A	255	Q1135-12	Intact
3	YE8E5	N/A	262	Q1135-13	Intact
4	YE8E6	N/A	269	Q1135-14	Intact
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By			Logbook No.	N/A
Date	1	2725	Logbook Page No.	N/A

Lab Name : Alliance Technical Group, LLC Page_5_of S				
Received By (Print Name)	nosa Kenó	Log-in Date 1/22/2025		
Received By (Signature)				
Case Number 51955	SDG No. YE8F8	MA No. 3152.0		

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and Shipping Container ID No.	771532981764 5
Shipping Container     Temperature     Indicator Bottle	Present
7. Shipping Container Temperature	2.0 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	01/22/2025
12.Time Received	10:15

			Corresponding		
	EPA Sample #	Aqueous Water Sample pH	, Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8E7	N/A	276	Q1135-15	Intact
2	YE8E8	N/A	283	Q1135-16	Intact
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

 $\boldsymbol{*}$  Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	12725	Logbook Page No.	N/A

Lab Name : Alliance Technical Group	//	Page_6_of_8"
Received By (Print Name) Cassana	va Reno	Log-in Date 1/22/2025
Received By (Signature)	<u> </u>	
Case Number 51955	SDG No. YE8F8	MA No. 3152.0

Remarks:		
1. Custody Seal (s)	Present, Intact	
2. Custody Seal Nos.	n/a	
3. Traffic Reports/Chain Of Custody Records	Present	
4. Airbill	Present	
5. Airbill No. and Shipping Container ID No.	771533032404 6	
6. Shipping Container Temperature Indicator Bottle	Present	
7. Shipping Container Temperature	1.8 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	01/22/2025	

			Correspondir	Corresponding	
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8D2	N/A	171	Q1135-17	Intact
2	YE8D4	N/A	185	Q1135-18	Intact
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By		Logbook No.	N/A
Date	12725	Logbook Page No.	N/A

Lab Name : Alliance Technical Grou	up, LLC	Page_7_of_ <u>V</u>
Received By (Print Name)	naa Pere-	Log-in Date 1/22/2025
Received By (Signature)		
Case Number 51955	SDG No. YE8F8	MA No. 3152.0

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and	771533034885
Shipping Container ID No.	7
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.2 Degree C
8. Sample Condition	Intact
9. Sample Tags	Absent
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	01/22/2025

	1		1		
			Corresponding		Domenulca
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8C3	N/A	108	Q1135-19	Intact
2	YE8D0	N/A	157	Q1135-21	Intact
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By	× ,	30	Logbook No.	N/A
Date	27	25	Logbook Page No.	N/A

Lab Name : Alliance Technical Group	, LLC	Page_8_of		
Received By (Print Name)	neva fejo	Log-in Date 1/22/2025		
Received By (Signature)				
Case Number 51955	SDG No. YE8F8	MA No. 3152.0		

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4. Airbill	Present
5. Airbill No. and	771533078108
Shipping Container ID No.	8
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.5 Degree C
8. Sample Condition	Intact
9. Sample Tags	Absent
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	01/22/2025
12.Time Received	10:15

			Correspon	nding	D
	EPA Sample #	Aqueous Water Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	YE8D5	N/A	192	Q1135-22	Intact
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A	N/A
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

Reviewed By				Logbook No.	N/A
Date	$\overline{\mathcal{C}}$	1/22	25	Logbook Page No.	N/A

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

LAB NAME	Alliance Tech	nical Group, LLC		
LAB CODE	ACE			
CONTRACT NO.	68HERH20D0011			
CASE NO.	51955	SDG NO.	YE8F8	
MA NO.	3152.0	SOW NO.	SFAM01.1	

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

PAGE NOSE   CHECK   TROM NO					
1. SDG Cover Page		PAGE	NOs:	СН	ECK
2. Traffic Report/Chain of Custody Record(s)  2. Sample Log-In Sheet (DC-1)  4. CSF Inventory Sheet (DC-2)  5. SDG Narrative  6. Communication Logs  7. Percent Solids Log  29 32 ✓  Analysis Forms and Data (ICP-AES)  8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory OC as applicable  9. Instrument raw data by instrument in analysis order  Chearup Loghonks  10. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Loghonks  11. Original Analysis or Instrument Run forms or copies of Analysis or S47 555 ✓ Instrument Loghooks  12. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  13. Raw GPC Data  14. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or S75 1942 ✓  Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or S75 1942 ✓  Analysis Forms and Data (ICP-MS)  18. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or S75 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs  20. Original Preparation and Cleanup forms or copies of Preparation and S122 2125 ✓ Cleanup Loghooks  19. Standard and Reagent Preparation Logs  20. Original Preparation and Cleanup forms or copies of Preparation and S122 2125 ✓ Cleanup Loghooks  21. Original Analysis or Instrument Run forms or copies of Preparation and S122 2125 ✓ Cleanup Loghooks  22. Performance Evaluation (FE)/Proficiency Testing (PT) Sample  NA NA ✓		FROM	TO	LAB	REGION
2. Traffic Report/Chain of Custody Record(s)  2. Sample Log-In Sheet (DC-1)  4. CSF Inventory Sheet (DC-2)  5. SDG Narrative  6. Communication Logs  7. Percent Solids Log  29 32 ✓  Analysis Forms and Data (ICP-AES)  8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory OC as applicable  9. Instrument raw data by instrument in analysis order  Chearup Loghooks  10. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Loghooks  12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Loghooks  13. Bard GPC Data  14. Extraction Logs for ICLP and SPLP  15. Raw GPC Data  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory OC as applicable  18. Raw Florisil Data  19. Standard and Reagent Preparation Logs  20. Original Preparation and Cleanup forms or copies of Analysis or Instrument Run forms or copies of Nallysis Ports and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or S75 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs  20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  22. Ferformance Evaluation (FE)/Proficiency Testing (FT) Sample  NA NA ✓					
3. Sample Log-In Sheet (DC-1) 4. CSF Inventory Sheet (DC-2) 5. SDG Marrative 6. Communication Logs 7. Percent Solids Log 8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory CC as applicable 9. Instrument Logbooks 12. Original Preparation and Cleanup forms or copies of Analysis or Tatrument Logbooks 13. Performance Evaluation (FE)/Proficiency CE as applicable 14. Extraction Logs for TCLP and SFLP 15. Raw GFC Data 16. Raw Florisil Data 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis or Tatrument Logbooks 18. Tatrument Logbooks 19. Performance Evaluation (FE)/Proficiency Testing (PT) Sample NA NA ✓ 16. Raw Florisil Data NA V  Analysis Forms and Data (ICP-MS) 17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory CC as applicable 18. Instrument raw data by instrument in analysis order 19. Standard and Reagent Preparation Logs 19. Standard and Reagent Preparation Logs 19. Coriginal Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 19. Standard and Reagent Preparation Logs 20. Original Preparation and Cleanup forms or copies of Preparation and 2122 2125 ✓ 21. Original Preparation and Cleanup forms or copies of Preparation and 2122 2125 ✓ 22. Original Preparation and Cleanup forms or copies of Preparation and 2122 2125 ✓ 23. Original Preparation (FE)/Proficiency Testing (FT) Sample NA NA NA ✓	1. SDG Cover Page	1	1	✓	
4. CSF Inventory Sheet (DC-2)  5. SDG Narrative  6. Communication Logs  7. Percent Solids Log  8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable  9. Instrument Logbooks  10. Original Preparation and Cleanup forms or copies of Analysis or SdC Data  12. Extractions Logs for TCLP and SPLP  13. Raw GPC Data  14. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable  15. Sample Analysis or Instrument Run forms or copies of Preparation and SdS Sd6 ✓  16. Original Preparation and Cleanup forms or copies of Analysis or Sd7 Sd5 ✓  17. Instrument Logbooks  18. Extraction Logs for TCLP and SPLP  19. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable  18. Instrument raw data by instrument in analysis order  19. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable  19. Instrument raw data data by instrument in analysis order  20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  21. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  22. Performance Evaluation (FE)/Proficiency Testing (FT) Sample  NA NA NA ✓	2. Traffic Report/Chain of Custody Record(s)	2	9	✓	
5. SDG Narrative 6. Communication Logs 7. Percent Solids Log 33 34 ✓  Analysis Forms and Data (ICP-AES)  8. Sample Analysis Data Forms (IA-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order  Other Data 10. Standard and Reagent Preparation Logs 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample 14. Straction Logs for TCLP and SPLP 15. Raw GPC Data 16. Raw Florisil Data 17. Sample Analysis Data Forms (IA-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument and Data (ICP-MS)  Other Data 19. Standard and Reagent Preparation Logs 19. Standard and Reagent Preparation Logs 20. Original Preparation and Cleanup forms or copies of Analysis or Instrument Run forms or copies of Preparation and Cleanup Logbooks 21. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 22. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 22. Original Preparation and Cleanup forms or copies of Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 23. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA V	3. Sample Log-In Sheet (DC-1)	10	17	✓	
6. Communication Logs 29 32	4. CSF Inventory Sheet (DC-2)	18	20	✓	
Analysis Forms and Data (ICP-AES)  8. Sample Analysis Data Forms (IA-OR, IB-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 53 408	5. SDG Narrative	21	28	✓	
Analysis Forms and Data (ICP-AES)  8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order  53 408 ✓  Other Data  10. Standard and Reagent Preparation Logs 409 544 ✓ 11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 1547 555 ✓ Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA ✓ 15. Raw GPC Data NA NA ✓ 16. Raw Florisil Data NA NA ✓ Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order 575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs 20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or 11strument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓	6. Communication Logs	29	32	✓	
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order  53 408 ✓  Other Data 10. Standard and Reagent Preparation Logs 409 544 ✓ 11. Original Preparation and Cleanup forms or copies of Preparation and cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA NA Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA V 15. Raw GPC Data NA NA V  Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order  575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs 20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or 2126 2138 ✓ 1nstrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA V	7. Percent Solids Log	33	34	✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order 53 408   Other Data 10. Standard and Reagent Preparation Logs 409 544   11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or 547 555   Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	Analysis Forms and Data (ICP-AES)				
Other Data  10. Standard and Reagent Preparation Logs 409 544 ✓  11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 22. Original Analysis or Instrument Run forms or copies of Analysis or S47 555 ✓ Instrument Logbooks 32. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ Instructions 14. Extraction Logs for TCLP and SPLP NA NA NA ✓  15. Raw GPC Data NA NA NA ✓  Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs 1943 2121 ✓  Other Data  19. Standard and Reagent Preparation Logs 1943 2121 ✓  Otiginal Preparation and Cleanup forms or copies of Preparation and 2122 2125 ✓ Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or 2126 2138 ✓ Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA		35	52	✓	
10 . Standard and Reagent Preparation Logs 409 544		53	408	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  12. Original Analysis or Instrument Run forms or copies of Analysis or 547 555 ✓  Instrument Logbooks  13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA NA ✓  Instructions  14. Extraction Logs for TCLP and SPLP NA NA NA ✓  15. Raw GPC Data NA NA NA ✓  16. Raw Florisil Data NA NA NA ✓  Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable  18. Instrument raw data by instrument in analysis order 575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs 1943 2121 ✓  Octional Preparation and Cleanup forms or copies of Preparation and 2122 2125 ✓  Cleanup Logbooks 10 Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or 2126 2138 ✓  Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓	Other Data				
Cleanup Logbooks  12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  13 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample	10 . Standard and Reagent Preparation Logs	409	544	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample 14. Extraction Logs for TCLP and SPLP  15. Raw GPC Data 16. Raw Florisil Data  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order  19. Standard and Reagent Preparation Logs 19. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 20. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA V		545	546	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions 14. Extraction Logs for TCLP and SPLP NA NA V  15. Raw GPC Data NA NA V  16. Raw Florisil Data NA NA V  Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order  19. Standard and Reagent Preparation Logs 19. Standard and Reagent Preparation Logs 19. Standard and Reagent Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓	12. Original Analysis or Instrument Run forms or copies of Analysis or	547	555		
14. Extraction Logs for TCLP and SPLP  15. Raw GPC Data  16. Raw Florisil Data  NA NA ✓  Analysis Forms and Data (ICP-MS)  17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order  19. Standard and Reagent Preparation Logs  19. Standard and Reagent Preparation Logs  20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA ✓	13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA		
Analysis Forms and Data (ICP-MS)  17 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18 . Instrument raw data by instrument in analysis order  575 1942 ✓  Other Data  19 . Standard and Reagent Preparation Logs 19 . Standard and Reagent Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA ✓		NA	NA		
Analysis Forms and Data (ICP-MS)  17 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18 . Instrument raw data by instrument in analysis order  575 1942  Cher Data  19 . Standard and Reagent Preparation Logs 19 . Standard and Reagent Preparation and Cleanup forms or copies of Preparation and 2122 2125  Cleanup Logbooks 21 . Original Analysis or Instrument Run forms or copies of Analysis or 2126 2138  Instrument Logbooks 22 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA	15 . Raw GPC Data	NA	NA		
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order  575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs 1943 2121 ✓  20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or 2126 2138 ✓ Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓	16. Raw Florisil Data	NA	NA_		
or sample analysis, laboratory QC as applicable  18. Instrument raw data by instrument in analysis order  575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs  1943 2121 ✓  20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA ✓	Analysis Forms and Data (ICP-MS)				
18. Instrument raw data by instrument in analysis order 575 1942 ✓  Other Data  19. Standard and Reagent Preparation Logs 1943 2121 ✓  20. Original Preparation and Cleanup forms or copies of Preparation and 2122 2125 ✓  Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or 2126 2138 ✓  Instrument Logbooks  22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓		556	574	✓	
19. Standard and Reagent Preparation Logs  20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  1943 2121  ✓  2125  ✓  2126 2138  ✓  NA NA ✓		575	1942	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks  22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample  NA NA ✓	Other Data				
Cleanup Logbooks  21. Original Analysis or Instrument Run forms or copies of Analysis or	19. Standard and Reagent Preparation Logs	1943	2121	_ ✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or		2122	2125	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA $\checkmark$	21. Original Analysis or Instrument Run forms or copies of Analysis or	2126	2138		
	22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA_	<b>✓</b>	

	PAGE	NOs:	CH	IECK
	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	2139	2157	✓	
or sample analysis, laboratory QC as applicable 27. Instrument raw data by instrument in analysis order	2158	2162	_	
Other Data				
28. Standard and Reagent Preparation Logs	2163	2196	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	2197	2204	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or	2205	2210	✓	
Instrument Logbooks  31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
Instructions 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	NA	NA	✓	
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	NA	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	✓	
Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
Instructions 41. Extraction Logs for TCLP and SPLP	NA	NA	✓	
42 . Raw GPC Data	NA	NA	<b>✓</b>	
43 . Raw Florisil Data	NA	NA	✓	

	PAGE NOs:		CH	CHECK	
	FROM	TO	LAB	REGION	
Additional					
44. EPA Shipping/Receiving Documents					
Airbill (No. of Shipments8)	2211	2218	✓		
Sample Tags	NA	NA	<b>√</b>		
Sample Log-In Sheet (Lab)	2219	2222	<b>√</b>		
45. Misc. Shipping/Receiving Records(list all individual records)					
	NA_	NA			
46. Internal Lab Sample Transfer Records and Tracking Sheets					
(describe or list)	2223	2228	,		
				-	
47. Other Records and related Communication Logs (describe or list)					
(40001120 01 1200)	NA	NA	✓		
48. Comments:					
Completed by:					
(CLP Lab) Nimisha Pandya, Do		l Officer			
(Signature) (Print Name & Tit Audited by:	tle)		(Da	te)	
(EPA)					
(Signature) (Print Name & Tit	cle)		(Da	te)	



### **SDG NARRATIVE**

USEPA
SDG # YE8F8
CASE # 51955
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # Q1135
MODIFIED ANALYSIS # 3152.0

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

18 Soil and 01 Water samples were delivered to the laboratory intact on 01/18/2025, 01/22/2025

### **B.** Parameters

Test requested for Metals CLP12= Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium & Mercury.

Test requested for Metals CLP MS = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Vanadium, Zinc.

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

### C. Cooler Temp

Indicator Bottle: <a href="Presence/">Presence/</a> Absence

Cooler: 2.3°C, 2.1°C, 1.2°C, 1.9°C, 2.0°C, 1.8°C, 2.2°C, 2.5°C

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

Issue: The COC indicates that water sample YE8H7 should be analyzed by ICP-AES, but water samples are scheduled for ICP-MS analysis. Please advise on how the laboratory may proceed.

### E. Corrective Action taken for above:

Resolution: Per Region 9, proceed with analyzing sample YE8H7 by ICP-MS as scheduled. The laboratory should note the issue in the SDG Narrative and proceed with the analysis of the samples.



### 284 Sheffield Street Mountainside, NJ 07092

### F. Analytical Techniques:

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

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

### **G.** Calculation:

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

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

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

Where,

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

Vf = Final digestion volume (mL)

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

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

DF = Dilution Factor

### **Example Calculation For Sample YE8F5 For Aluminum:**

DF = 1

Concentration (mg/kg) = 
$$194.5363 \text{ x} \frac{100}{1.30 \text{ x } 0.959} \text{x } 1$$

= 15604.0988 mg/kg

= 16000 mg/kg (Reported Result with Signification)

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

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

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



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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 YE8F5 For Antimony:**

If 
$$C = 0.56 \text{ ppb}$$

Vf = 500 ml

W = 1.25 g

S = 0.959(95.9/100)

DF = 1

Concentration (mg/kg) = 
$$0.56 \text{ x}$$
  $500$  x 1 / 1000  $1.25 \text{ x } 0.959$ 

= 0.23357 mg/kg

= 0.23 mg/kg (Reported Result with Signification)

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

Concentration or Result (
$$\mu$$
g/L) = C x Vf x DF

Vi

Where,

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

Vf = Final digestion volume (mL)

Vi = Initial aliquot amount (mL) (Sample amount taken in prep)

DF = Dilution Factor

### **Example Calculation For Sample YE8H7 For Manganese:**

If 
$$C = 0.37 \text{ ppb}$$

$$Vf = 50 \text{ ml}$$

Vi = 50 ml

DF = 1

Concentration or Result (
$$\mu$$
g/L) = 0.37 x  $\underline{50}$  x 1



 $= 0.37 \, \mu g/L$ 

=  $0.37 \mu g/L$  (Reported Result with Signification)

### **Calculation for Hg Soil Sample:**

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

Concentration (mg/kg) = 
$$C \times Vf \times DF / 1000$$
  
W x S

Where,

C = Instrument response in  $\mu$ g/L from the calibration curve.

Vf = Final prepared (absorbing solution) volume (mL)

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

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

DF = Dilution Factor

### **Example Calculation For Sample YE8F5:**

If C = 0.4536 ppb

Vf = 100 mL

W = 0.56g

S = 0.959(95.9/100)

DF = 1

Concentration (mg/kg) = 
$$0.4536 \text{ x} \frac{100}{0.56 \text{ x } 0.959} \text{ x } 1 / 1000$$

= 0.08446 mg/kg

= 0.084 mg/kg (Reported Result with Signification)

### **Calculation for Hg Water Sample:**

Concentration or Result ( $\mu g/L$ ) = C x DF

Where,

C = Instrument response in  $\mu$ g/L from the calibration curve.

DF = Dilution Factor



### **Example Calculation For Mercury:**

$$\begin{array}{cc} \text{If C} &= 0.1811 \text{ ppb} \\ \text{DF} &= 1 \end{array}$$

Concentration or Result (
$$\mu$$
g/L) = 0.1811 x 1  
= 0.1811  $\mu$ g/L  
= 0.18  $\mu$ g/L (Reported Result with Signification)

### H. QA/QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Molybdenum,. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Aluminum, Calcium, Iron, Magnesium, Arsenic, Sodium.

As per scheduling, pH analysis is required for soil samples and the pH analysis data is provided with hardcopy.

Chemical or physical interference effect was suspected and the data for all affected analytes in the sample received and associated with this serial dilution were flagged.

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
Aluminum	45Sc
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb



### 284 Sheffield Street Mountainside, NJ 07092

Mountainside,	NJ 07092
Calcium	45Sc
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Iron	45Sc
Lead	209Bi
Magnesium	45Sc
Manganese	45Sc
Molybdenum	89Y
Nickel	45Sc
Potassium	45Sc
Selenium	89Y
Silver	159Tb
Sodium	45Sc
Strontium	89Y
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature	Name: Nimisha Pandya
Date	Title: Document Control Officer

Date: 04/13/2022	MA: 3152.0	Title: ICP-MS Analysis Plus Molybdenum and Strontium
Method Source: SFAM01.1	Method: ICP-MS	

Matrix: Aqueous/Water and Soil/Sediment

### **Summary of Modification**

The purpose of this modified analysis is to analyze aqueous/water and soil/sediment samples by ICP-MS with the addition of the non-routine analytes Molybdenum (Mo) and Strontium (Sr). 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.

### I. Analyte Modifications

Not	арр	licab	le
	~PP		

Analyte	CAS Number	CRQL (µg/L)	CRQL (mg/kg)	Spike Added (µg/L)	Spike Added (mg/kg)
Molybdenum (Mo)	7439-98-7	10.0	2.0	200	50
Strontium (Sr)	7440-24-6	2.0	96.0	100	1000

### II. Calibration and QC Requirements

Not applicable

The Laboratory shall:

- Ensure Method Detection Limits have been determined for Molybdenum and Strontium in aqueous/water and soil/sediment matrices by the preparation methods used for the samples that meet all applicable SOW requirements.
- Perform the Initial Calibration with at least one non-blank standard at or below the modified CRQLs, converted to µg/L as necessary.
- Add Mo and Sr to the ICV and CCV at appropriate mid-range concentrations.
- Evaluate the ICB and CCB against the modified CRQLs converted to µg/L as necessary.
- Evaluate the Preparation Blanks using the modified CRQLs.
- Perform the Matrix Spike at the levels specified above. Post-digestion spike requirements are per the SOW.
- Flag the Duplicates based on the modified CRQLs.
- Add Mo and Sr to the LCS at 2 times the appropriate modified CRQLs.
- Not add Sr to the ICS. Use a true value of 0 (zero) and acceptance windows of ±2x the aqueous CRQL, unless a non-zero concentration for Sr has been determined.
- If mass 97 is monitored for Mo, ensure that isobaric interference correction is applied if necessary for levels of Calcium found in samples.

### **III. Preparation and Method Modifications**

Not applicable



### **IV. Special Reporting Requirements**

Not applicable

The Laboratory shall:

- Add Molybdenum and Strontium to Form 1.
- Report the "J" and "U" qualifiers in accordance with the requirements in Exhibit B, Section 3.4.3.2.4.2, using the modified CRQLs.
- Ensure that the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the corrective action taken. These problems may include

problems encountered during analysis, dilutions, re-analyses or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analysis including a copy of the approved modification with the SDG Narrative.

From: Hairston, Miles (NE) <Miles.Hairston@gdit.com>

Sent: Tuesday, January 21, 2025 3:34 PM

**To:** Sohil Jodhani; Mohammad Ahmed; Deepak Parmar

Cc: R9RSCC (R9RSCC@epa.gov); carmon.jamie@epa.gov; Spiegel, Michael (he/him/his);

Bauer, Heather E; Johnson, Matthew

**Subject:** Task Area SST | Region 09 | Case 51955 | Lab ACE | Issue Discrepancies with tags, jars,

and/or COC | FINAL

**Attachments:** SKM\_95825011811530.pdf

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

**Secured by Check Point** 

Good afternoon,

Please see the resolutions below.

Issue 1: The COC indicates that water sample YE8H7 should be analyzed by ICP-AES, but water samples are scheduled for ICP-MS analysis. Please advise on how the laboratory may proceed.

Resolution 1: Per Region 9, proceed with analyzing sample YE8H7 by ICP-MS as scheduled. The laboratory should note the issue in the SDG Narrative and proceed with the analysis of the samples.

Issue 2: The COC indicates that water sample YE8H8 should be analyzed by VOA, but water samples are not scheduled for VOA analysis. Please advise on how the laboratory may proceed.

Resolution 2: Per Region 9, proceed with analyzing sample YE8H8 by TVOA as scheduled. 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 7, 8, and 9

Work Phone: +1 571-454-0346

Miles.Hairston@gdit.com

15036 Conference Center Drive
Chantilly, VA 20151

www.gdit.com

Leave alert: N/A

GENERAL DYNAMICS
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From: R9RSCC <R9RSCC@epa.gov>
Sent: Tuesday, January 21, 2025 1:28 PM

To: Hairston, Miles (NE) <Miles.Hairston@gdit.com>; Shaeffer, Casey <Casey.Shaeffer@gdit.com>

Cc: R9RSCC < R9RSCC@epa.gov>

Subject: RE: Task Area SST | Region 09 | Case 51955 | 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.

Hi Casey,

Issue 1: The sampler made a mistake, please run the water samples as scheduled (ICP-MS)

Issue 2: The sample made a mistake, please run the water samples as scheduled (Trace VOAs)

Thanks

-Jamie

Jamie Carmon (she/her)

\*\*\*\*\*\*

Region 9

RSCC (Regional Sample Control Coordinator)

Email: R9RSCC@epa.gov

From: Shaeffer, Casey <Casey.Shaeffer@gdit.com> On Behalf Of Hairston, Miles (NE)

Sent: Monday, January 20, 2025 6:36 AM

To: R9RSCC < R9RSCC@epa.gov >; Carmon, Jamie (she/her/hers) < Carmon.Jamie@epa.gov >; Spiegel, Michael

(he/him/his) <Spiegel.Michael@epa.gov>

Subject: Task Area SST | Region 09 | Case 51955 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

**Caution:** This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good morning,

Please see the below issues from ACE.

Issue 1: The COC indicates that water sample YE8H7 should be analyzed for ICP-AES analysis, but water samples are scheduled for ICP-MS analysis. Please advise on how the laboratory may proceed.

Issue 2: The COC indicates that water sample YE8H8 should be analyzed for VOA analysis, but water samples are not scheduled for VOA analysis. Please advise on how the laboratory may proceed.

### Thank you,

### **Casey Shaeffer**

Associate Environmental Analyst CLP QSS Coordinator - EPA Regions 4 & 10 **Under contract to the EPA** 

T: (571) 454-2416 casev.shaeffer@gdit.com 15036 Conference Center Drive Chantilly, VA 20151 www.gdit.com

**GENERAL DYNAMICS** n'erration Technology

**Leave Alert: None** 

From: Deepak Parmar < Deepak.Parmar@alliancetg.com >

Sent: Monday, January 20, 2025 8:22 AM

To: Hairston, Miles (NE) < Miles. Hairston@gdit.com> Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>

Subject: RE: Region 09 | Case 51955 | 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,

One more issue found after further review As per ASR ICP-MS analysis is schedule for water sample. however ICP-AES analysis is mentioned on COC. Therefor Lab like to know how to process?

Please see attachment for your reference.

### Thanks & Regards,



**Deepak Parmar An Alliance Technical Group Company** Main: 908-789-8900

Direct: 908-728-3154

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

www.alliancetg.com

From: Deepak Parmar

Sent: Saturday, January 18, 2025 12:12 PM

To: Hairston, Miles (NE) < Miles. Hairston@gdit.com >

Cc: Sohil Jodhani < Sohil.Jodhani@AllianceTG.com >

Subject: Region 09 | Case 51955 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

Good morning,

As per ASR VOA analysis is not schedule for water sample in this Case however, sample YE8H8 mentioned for VOA analysis. Therefor Lab like to know how to process?

Please see attachment for your reference.

### Thanks & Regards,



**Deepak Parmar** QA/QC An Alliance Technical Group Company

Main: 908-789-8900 **Direct:** 908-728-3154

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



### PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/24/2025

OVENTEMP IN Celsius (°C): 106

OVENTEMP OUT Celsius (°C): 103

Time IN: 13:25 Time OUT: 07:47

 Weight Check 1.0g: 1.00
 Weight Check 1.0g: 1.00

 Weight Check 10g: 10.00
 Weight Check 10g: 10.00

 OvenID: M OVEN#1
 BalanceID: M SC-4

Thermometer ID: % SOLID- OVEN

qc:LB134377

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)		Dish+Dry Sample Wt(g)(C)	% Solid	Comments
Q1135-01	YE8F5	1	1.17	8.57	9.74	9.39	95.9	
Q1135-02	YE8F7	2	1.16	8.60	9.76	9.00	91.2	
Q1135-03	YE8F7D	3	1.16	8.60	9.76	9.00	91.2	
Q1135-04	YE8F7S	4	1.16	8.60	9.76	9.00	91.2	
Q1135-05	YE8F8	5	1.15	8.70	9.85	9.23	92.9	
Q1135-06	YE8F9	6	1.14	8.83	9.97	9.41	93.7	
Q1135-07	YE8H9	7	1.19	8.50	9.69	8.34	84.1	
Q1135-08	YE8J0	8	1.12	8.65	9.77	7.98	79.3	
Q1135-10	YE8J1	9	1.19	8.63	9.82	8.15	80.6	
Q1135-11	YE8E3	10	1.18	8.45	9.63	7.46	74.3	
Q1135-12	YE8E4	11	1.15	8.82	9.97	8.5	83.3	
Q1135-13	YE8E5	12	1.19	8.58	9.77	7.96	78.9	
Q1135-14	YE8E6	13	1.15	8.81	9.96	9.09	90.1	
Q1135-15	YE8E7	14	1.14	8.84	9.98	9.42	93.7	
Q1135-16	YE8E8	15	1.16	8.79	9.95	8.67	85.4	
Q1135-17	YE8D2	16	1.13	8.56	9.69	9.13	93.5	
Q1135-18	YE8D4	17	1.18	8.50	9.68	8.38	84.7	
Q1135-19	YE8C3	18	1.13	8.63	9.76	9.15	92.9	
Q1135-21	YE8D0	19	1.12	8.66	9.78	8.81	88.8	
Q1135-22	YE8D5	2.0	1.18	8.50	9.68	9.32	95.8	

# WORKLIST(Hardcopy Internal Chain)

WorkList Name: %1-q1135

WorkList ID: 187094

Jr 134347

WOLKLIST NAME:	%1-q1135	WorkList ID :	ID: 187094	Department:	Wet-Chemistry		Date: 01-23-20%	01-23-2025 11:22:17
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Colle	Method
Q1135-01	YE8F5	l igo	O tracerous					
O1135-02	VESE7		reiceill Solids	Cool 4 deg C	USEP01	Q31	01/15/2025	Chemtech -SO
2000	1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/15/2025	Chemtech -SO
G1139-03	YE8F7D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/15/2025	Chemtech -SO
Q1135-04	YE8F7S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/15/2025	Chamtech CO
Q1135-05	YE8F8	Solid	Percent Solids	Cool 4 deg C	USEP01	031	04/45/2026	100
Q1135-06	YE8F9	Solid	Percent Solids	Cool 4 deg C	USEP01	034	01/15/2023	Onemiech -50
Q1135-07	YE8H9	Solid	Percent Solids	Cool 4 deg C	USEP01	29 60	01/15/2023	Chemtech -SO
Q1135-08	YE8J0	Solid	Percent Solids	Cool 4 deg C	USEP01	2 2	01/10/2025	Chemtech -SO
Q1135-10	YE8J1	Solid	Percent Solids	Cool 4 deg C	USEP01	23   53	04/46/2025	Chemtech -SO
Q1135-11	YE8E3	Solid	Percent Solids	Cool 4 deg C	LISEPO4	25 5	01/10/2025	Chemtech -SO
Q1135-12	YE8E4	Solid	Percent Solids	Cool 4 dea C	LISEBOA	3 3	01/11/2025	Chemtech -SO
Q1135-13	YE8E5	Solid	Percent Solids	0 0 0 0 0	וסבוסס	20	01/17/2025	Chemtech -SO
Q1135-14	YE8E6	Pilo		Cool 4 deg C	USEP01	Q31	01/17/2025	Chemtech -SO
Q1135-15	VE8E7		rercent Solids	Cool 4 deg C	USEP01	Q31	01/17/2025	Chemtech -SO
Q1135-16	VESES	Dillos	Percent Solids	Cool 4 deg C	USEP01	Q31	01/17/2025	Chemtech -SO
O1135-17	X E8D3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/17/2025	Chemtech -SO
04136 18	I EODZ	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/19/2025	Chemtech -SO
01-02-10	YE&U4	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/18/2025	Chemtech -SO
Q1135-19	YE8C3	Solid	Percent Solids	Cool 4 deg C	USEP01	Q31	01/19/2025	Chemtech -SO
Q1135-21	YE8D0	Solid	Percent Solids	Cool 4 deg C	USEP01	031	01/18/2026	
Q1135-22	YE8D5	Solid	Percent Solids	Cool 4 deg C	USEP01	034	04/40/2025	One-milech -SO
							01/19/2023	Chemtech -SO

Date/Time (1) (2) (2) (2) (3)

Raw Sample Received by: 12 WULL

Raw Sample Relinquished by:

Raw Sample Relinquished by: Date/Time 01/23/1 Raw Sample Received by:

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