

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51952 MA No.: _____ SDG No.: A6311
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
<u>A6311</u>	<u>Q1245-01</u>	<u> </u>	<u>X</u>	<u> </u>	<u> </u>
<u>A6312</u>	<u>Q1245-02</u>	<u> </u>	<u>X</u>	<u> </u>	<u> </u>
<u>A6315</u>	<u>Q1245-03</u>	<u> </u>	<u> </u>	<u>X</u>	<u> </u>
<u>A6316</u>	<u>Q1245-04</u>	<u> </u>	<u> </u>	<u>X</u>	<u> </u>
<u>A6327</u>	<u>Q1245-05</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6328</u>	<u>Q1245-06</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6329</u>	<u>Q1245-07</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6330</u>	<u>Q1245-08</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6335</u>	<u>Q1245-09</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6335D</u>	<u>Q1245-10</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6335S</u>	<u>Q1245-11</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6336</u>	<u>Q1245-12</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6337</u>	<u>Q1245-13</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6338</u>	<u>Q1245-14</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6339</u>	<u>Q1245-15</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6340</u>	<u>Q1245-16</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>
<u>A6341</u>	<u>Q1245-17</u>	<u> </u>	<u>X</u>	<u>X</u>	<u> </u>

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: _____

68HERH20DD0011

SDG # A6311

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 1-013025-152400-0013

Date Shipped: 1/30/2025

Carrier Name: FedEx

Airbill No: 771783263096

Case #: 51952

Cooler #: 5

Lab: Alliance Technical Group LLC
Lab Contact: Mohammad Ahmed
Lab Phone: 9087898900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
R01092501-1	A6311	PE Water/ ERA	PE	Metals ICP-MS(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-2	A6312	PE Water/ ERA	PE	Metals ICP-MS(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-3	A6313	PE Soil/ ERA	PE	Metals ICP-MS, ICP-AES, Hg(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-4	A6314	PE Soil/ ERA	PE	Metals ICP-MS, ICP-AES, Hg(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-5	A6315	PE Water/ ERA	PE	Hg(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-6	A6316	PE Water/ ERA	PE	Hg(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-7	A6317	PE Water/ ERA	PE	PAH/PCP SIM(21)	A (4 C) (1)	PE	01/09/2025 12:00	5
R01092501-8	A6318	PE Soil/ ERA	PE	PAH/PCP SIM(21)	A (4 C) (2)	PE	01/09/2025 12:00	5
R01092501-9	A6319	PE Soil/ ERA	PE	PAH/PCP SIM(21)	A (4 C) (2)	PE	01/09/2025 12:00	5
SD-026-012925	A6326	Sediment/ T. Furado	Grab	Metals + Hg(21), PAH SIM(21)	R (4 C), S (4 C) (2)	SD/SW/PW-026	01/29/2025 09:35	5
SD-REF-10-012925	A6327	Sediment/ B. Fortier	Grab	Metals + Hg(21), PAH SIM(21)	T (4 C), U (4 C) (2)	REF-10	01/29/2025 09:00	5
SW-REF-03-012925	A6328	Surface Water/ T. Furado	Grab	Metals + Hg(21), PAH SIM(21)	V (HNO3), W (4 C) (4)	REF-03	01/29/2025 10:20	5
SW-REF-02-012925	A6328	Surface Water/ T. Furado	Grab	Metals + Hg(21), PAH SIM(21)	X (HNO3), Y (4 C) (4)	REF-02	01/29/2025 11:20	5

Special Instructions: Sediment samples require 72 hour preliminary results.

Sediment ICP-MS: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Ti, V, Zn

ICP-AES: Al, Ca, Fe, K, Mg, Na

Surface Water ICP-MS Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn

Analysis Key

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	 NBS15	1/30/25 1:00	 OR	1-31-25 9:35	IF-Gown #1 19/29/25 12:00 Custody Seal Intact Temp Block present

USEPA CLP COC (LAB COPY)

Date Shipped: 1/30/2025

Carrier Name: FedEx

Airbill No: 771783263096

CHAIN OF CUSTODY RECORD

68HERH20DD0011

SDG # A6311

No: 1-013025-152400-0013

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 9087698900

Case #: 51952

Cooler #: 5

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SW-FD01-012925	A6329	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (4)	FD-01	01/29/2025 12:00	PH 1.3 4
SW-REF-01-012925	A6330	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (4)	REF-01	01/29/2025 12:15	PH 1.3 3
SD-REF-03-012925	A6331	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	N (4 C), O (4 C) (2)	REF-03	01/29/2025 11:30	5
SD-REF-02-012925	A6332	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	P (4 C), Q (4 C) (2)	REF-02	01/29/2025 12:55	5
SD-REF-01-012925	A6333	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	R (4 C), S (4 C) (2)	REF-01	01/29/2025 13:15	5
SD-FD02-012925	A6334	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	T (4 C), U (4 C) (2)	FD-02	01/29/2025 13:00	5
SW-REF-07-012925	A6335	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (12)	REF-07	01/29/2025 15:00	PH 1.3 3
SW-REF-08-012925	A6336	Surface Water/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	X (HNO3), Y (4 C) (4)	REF-08	01/29/2025 15:30	PH 1.3 4
SD-EB-012925	A6337	Equipment Blank/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	N (HNO3), O (4 C) (4)	Equipment Blank	01/29/2025 17:00	PH 1.3 3
SW-REF-09-013025	A6338	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (4)	REF-09	01/30/2025 08:10	PH 1.3 2

Sample(s) to be used for Lab QC: SW-REF-07-012925 Tag A, SW-REF-07-012925 Tag Z - Special Instructions: Sediment samples require 72 hour preliminary results.

Sediment ICP-MS: Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Ti, V, Zn

ICP-AES: Al, Ca, Fe, K, Mg, Na

Surface Water ICP-MS Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn

Analysis Key

Shipment for Case Complete? Y				Samples Transferred From Chain of Custody #	
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>[Signature]</i> NBBLS	1/30/25 1700	<i>[Signature]</i>	1-31-25 9:35	ICP-AES 16 19/29/25, 2.1/20
					Custody Seal Intact
					Temp Blank present

CHAIN OF CUSTODY RECORD

No: 1-013025-152400-0013

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 9087898900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SW-REF-06-013025	A6339	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (4)	REF-06	01/30/2025 08:45	✓ pH 13 2
SW-REF-05-013025	A6340	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (4)	REF-05	01/30/2025 09:05	pH 13 2
SW-REF-04-013025	A6341	Surface Water/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (HNO3) (4)	REF-04	01/30/2025 09:40	pH 13 2
SD-REF-07-013025	A6342	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	V (4 C), W (4 C) (6)	REF-07	01/30/2025 08:15	pH 13 2
SD-REF-09-013025	A6343	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	R (4 C), S (4 C) (2)	REF-09	01/30/2025 09:10	1
SD-REF-06-013025	A6344	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	T (4 C), U (4 C) (2)	REF-06	01/30/2025 09:35	5
SD-REF-05-013025	A6345	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	V (4 C), W (4 C) (2)	REF-05	01/30/2025 11:40	1
SD-REF-11-013025	A6346	Sediment/ T.Furtado	Grab	Metals + Hg(21), PAH SIM(21)	X (4 C), Y (4 C) (2)	REF-11	01/30/2025 12:35	1
SD-REF-08-013025	A6347	Sediment/ T.Furtado	Grab	PAH SIM(21), Metals + Hg(21)	A (4 C), Z (4 C) (2)	REF-08	01/30/2025 10:50	1

Shipment for Case Complete? Y

Samples Transferred From Chain of Custody #

Surface Water ICP-MS Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Ti, V, Zn

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Miguel Nobis	11/30/25 1700	[Signature]	9:35 1-31-25	#P66m# d.c. v. 1.9, 2.9, 2.4, 2.1, 2.0

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>4</u>
Received By (Print Name) <u>Cassanova Line</u>		Log-in Date 1/31/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51952	SDG No. A6311	MA No. N/A

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>771783264920</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.9</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>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	A6338	1.3	Z	Q1245-14	Intact
2	A6339	1.3	Z	Q1245-15	Intact
3	A6340	1.3	Z	Q1245-16	Intact
4	A6341	1.3	Z	Q1245-17	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

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>1/31/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>2</u> of <u>4</u>
Received By (Print Name) <u>Cassanova Reia</u>		Log-in Date 1/31/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51952	SDG No. A6311	MA No. N/A

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>771783265147</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.4</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>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	A6327	1.3	<u>W V dl</u>	Q1245-05	Intact
2	A6330	1.3	Z	Q1245-08	Intact
3	A6335	1.3	Z	Q1245-09	Intact
4	A6335D	1.3	Z	Q1245-10	Intact
5	A6335S	1.3	Z	Q1245-11	Intact
6	A6337	1.3	O	Q1245-13	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

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>1/31/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>4</u>
Received By (Print Name) <u>Casanova Lino</u>		Log-in Date 1/31/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51952	SDG No. A6311	MA No. N/A

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>771783266599</u> <u>3</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.1</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	A6328	1.3	XX <u>28</u>	Q1245-06	Intact
2	A6329	1.3	Z	Q1245-07	Intact
3	A6336	1.3	Y	Q1245-12	Intact
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

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>1/31/25</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>4</u> of <u>4</u>
Received By (Print Name) <u>Casanova Per</u>		Log-in Date 1/31/2025
Received By (Signature) <u>[Signature]</u>		
Case Number 51952	SDG No. A6311	MA No. N/A

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>771783265331</u> <u>4</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.0</u> Degree C
8. Sample Condition	Intact
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	<u>01/31/2025</u>
12. Time Received	<u>09:35</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	A6311	N/A	A	Q1245-01	Intact
2	A6312	N/A	A	Q1245-02	Intact
3	A6315	N/A	A	Q1245-03	Intact
4	A6316	N/A	A	Q1245-04	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

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>1/31/25</u>	Logbook Page No. N/A

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

LAB NAME	Alliance Technical Group, LLC		
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51952	SDG NO.	A6311
MA NO.		SOW NO.	SFAM01.1

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

	PAGE NOS:		CHECK	
	FROM	TO	LAB	REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	4	✓	
3. Sample Log-In Sheet (DC-1)	5	8	✓	
4. CSF Inventory Sheet (DC-2)	9	11	✓	
5. SDG Narrative	12	15	✓	
6. Communication Logs	16	21	✓	
7. Percent Solids Log	NA	NA	✓	
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	NA	NA	✓	
9. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
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	✓	
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	22	34	✓	
18. Instrument raw data by instrument in analysis order	35	810	✓	
Other Data				
19. Standard and Reagent Preparation Logs	811	964	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	965	966	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	967	973	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	974	975	✓	

	<u>PAGE NOS:</u>		<u>CHECK</u>	
	<u>FROM</u>	<u>TO</u>	<u>LAB</u>	<u>REGION</u>
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	976	988	✓	
27 . Instrument raw data by instrument in analysis order	989	991	✓	

Other Data

28 . Standard and Reagent Preparation Logs	992	1019	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1020	1021	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1022	1025	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	1026	1027	✓	
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 4)

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
1028	1031	✓	
NA	NA	✓	
1032	1033	✓	
NA	NA	✓	
1034	1036	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # A6311

CASE # 51952

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # Q1245

A. Number of Samples and Date of Receipt

15 Water samples were delivered to the laboratory intact on 01/31/2025

B. Parameters

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

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.9°C, 2.4°C, 2.1°C, 2.0°C

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

Issue : The laboratory is missing instructions for all PT samples for this Case; the laboratory would also like confirmation if the PT samples require PRs.

E. Corrective Action taken for above:

Resolution : Per Region 1, the PT samples do not require preliminary results (PRs). The PT instructions are attached. Please note the issue in the SDG narrative and proceed with analysis of the samples.

F. Analytical Techniques:

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



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Mountainside, NJ 07092**

G. Calculation:

Calculation for ICP-MS Water Sample:

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \frac{V_f}{V_i} \times \text{DF}$$

Where,

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

V_f = Final digestion volume (mL)

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

DF = Dilution Factor

Example Calculation For Sample A6311 For Arsenic:

If C = 648.67 ppb

V_f = 50 ml

V_i = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 648.67 \times \frac{50}{50} \times 1$$

$$= 648.67 \mu\text{g/L}$$

$$= 650 \mu\text{g/L} \text{ (Reported Result with Signification)}$$

Calculation for Hg Water Sample:

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \text{DF}$$

Where,

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

DF = Dilution Factor

Example Calculation For A6315:

If C = 8.6599 ppb

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 8.6599 \times 1$$

$$= 8.6599 \mu\text{g/L}$$

$$= 8.7 \mu\text{g/L} \text{ (Reported Result with Signification)}$$



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Mountainside, NJ 07092**

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. MS Spike sample did meet requirements except for Selenium. 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
Aluminum	45Sc
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Calcium	45Sc
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Iron	45Sc
Lead	209Bi
Magnesium	45Sc
Manganese	45Sc
Nickel	45Sc



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Potassium	45Sc
Selenium	89Y
Silver	159Tb
Sodium	45Sc
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

From: DeBerry, Eric <Eric.Deberry@gdit.com>
Sent: Friday, January 31, 2025 2:30 PM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: Johnson, Matthew; Bauer, Heather E; Iverson, Jessica
Subject: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Multiple | FINAL
Attachments: PE Instructions 01.31.25 (003).pdf; SKM_95825013110190.pdf; 51952-TR COC.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 ACE,

Non-Standard Matrix

Issue 1: The laboratory received sediment samples on 1/30/2025. The laboratory began SVOA analysis upon receipt and found that Samples A6301, A6302, A6305, A6307, A6322, A6323, and A6324 contain less than 30% solids. Because PRs are scheduled, the laboratory proceeded with analysis using 30g of sample volume. Please note that the samples do not have any standing water, and the sample matrix is very light textured soil. Please confirm that the laboratory should proceed with reporting the results for these samples.

Resolution 1: Per Region 1, the laboratory should proceed with reporting the results for these samples. Please note the issue in the SDG narrative and proceed with analysis of the samples.

Incorrect/missing PT instructions

Issue 2: The laboratory is missing instructions for all PT samples for this Case; the laboratory would also like confirmation if the PT samples require PRs.

Resolution 2: Per Region 1, the PT samples do not require preliminary results (PRs). The PT instructions are attached. Please note the issue in the SDG narrative and proceed with analysis of the samples.

Please note that the laboratory may contact the appropriate CLP PM should any defects need to be waived for this issue.

Thanks,

Eric DeBerry

Associate Environmental Analyst
CLP QSS Coordinator – EPA Regions 1 & 3

Under contract to the EPA

T: (571) 833-5166
Eric.DeBerry@GDIT.com

15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com



From: Iverson, Jessica <iverson.jessica@epa.gov>
Sent: Friday, January 31, 2025 1:18 PM
To: DeBerry, Eric <Eric.Deberry@gdit.com>
Subject: FW: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Multiple

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Non-Standard Matrix

Issue 1: The laboratory received sediment samples on 1/30/2025. The laboratory began SVOA analysis upon receipt and found that Samples A6301, A6302, A6305, A6307, A6322, A6323, and A6324 contain less than 30% solids. Because PRs are scheduled, the laboratory proceeded with analysis using 30g of sample volume. Please note that the samples do not have any standing water, and the sample matrix is very light textured soil. Please confirm that the laboratory should proceed with reporting the results for these samples.

Yes, the laboratory should proceed with reporting the results for these samples.

Incorrect/missing PT instructions

Issue 2: The laboratory is missing instructions for all PT samples for this Case; the laboratory would also like confirmation if the PT samples require PRs.

The PT samples do not require preliminary results (PRs). The PT instructions are attached.

Jessica Iverson
QA Chemist/Regional Sample Coordinator
Quality Assurance Branch
Laboratory Services and Applied Science Division
EPA Region 1 – New England
Phone: 617-918-8630

From: Gary Glennon <gglennon@nobis-group.com>
Sent: Friday, January 31, 2025 12:40 PM
To: Iverson, Jessica <iverson.jessica@epa.gov>
Cc: Alyssa Epstein <aepstein@nobis-group.com>
Subject: RE: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Multiple

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

Hi Jessica,

Please see my responses in red below.
Thanks!

Gary Glennon *he/him/his*

Data Integration Specialist



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engineering & environmental **solutions**

55 Technology Drive Suite 101, Lowell, MA 01851

p (978) 703-6007 • c (617) 943-3361



From: Iverson, Jessica <iverson.jessica@epa.gov>

Sent: Friday, January 31, 2025 11:56 AM

To: Gary Glennon <gglennon@nobis-group.com>

Subject: FW: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Multiple

EXTERNAL

Hello,

Please advise on the following issues from ACE.

Non-Standard Matrix

Issue 1: The laboratory received sediment samples on 1/30/2025. The laboratory began SVOA analysis upon receipt and found that Samples A6301, A6302, A6305, A6307, A6322, A6323, and A6324 contain less than 30% solids. Because PRs are scheduled, the laboratory proceeded with analysis using 30g of sample volume. Please note that the samples do not have any standing water, and the sample matrix is very light textured soil. Please confirm that the laboratory should proceed with reporting the results for these samples.

Yes, the laboratory should proceed with reporting the results for these samples.

Incorrect/missing PT instructions

Issue 2: The laboratory is missing instructions for all PT samples for this Case; the laboratory would also like confirmation if the PT samples require PRs.

The PT samples do not require preliminary results (PRs). The PT instructions are attached.

Jessica Iverson

QA Chemist/Regional Sample Coordinator

Quality Assurance Branch

Laboratory Services and Applied Science Division

EPA Region 1 – New England

Phone: 617-918-8630

From: Iverson, Jessica

Sent: Friday, January 31, 2025 11:55 AM

To: DeBerry, Eric <Eric.Deberry@gdit.com>

Cc: Bauer, Heather E <Heather.Bauer@gdit.com>; Johnson, Matthew <Matthew.Johnson32@gdit.com>

Subject: RE: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Multiple

Hello,

On the last communication the sampler stated that PT instructions were provided to the laboratory when the samples were dropped off. I will inquire about both issues and ask for additional copies of the instructions to be sent.

Jessica Iverson

QA Chemist/Regional Sample Coordinator

Quality Assurance Branch

Laboratory Services and Applied Science Division

EPA Region 1 – New England

Phone: 617-918-8630

From: DeBerry, Eric <Eric.Deberry@gdit.com>

Sent: Friday, January 31, 2025 11:44 AM

To: Iverson, Jessica <iverson.jessica@epa.gov>

Cc: Bauer, Heather E <Heather.Bauer@gdit.com>; Johnson, Matthew <Matthew.Johnson32@gdit.com>

Subject: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Multiple

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

Good morning Jessica,

Please advise on the following issues from ACE.

Non-Standard Matrix

Issue 1: The laboratory received sediment samples on 1/30/2025. The laboratory began SVOA analysis upon receipt and found that Samples A6301, A6302, A6305, A6307, A6322, A6323, and A6324 contain less than 30% solids. Because PRs are scheduled, the laboratory proceeded with analysis using 30g of sample volume. Please note that the samples do not have any standing water, and the sample matrix is very light textured soil. Please confirm that the laboratory should proceed with reporting the results for these samples.

Incorrect/missing PT instructions

Issue 2: The laboratory is missing instructions for all PT samples for this Case; the laboratory would also like confirmation if the PT samples require PRs.

Thanks,

[Eric DeBerry](#)

Associate Environmental Analyst

CLP QSS Coordinator – EPA Regions 1 & 3

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Chantilly, VA 20151
www.gdit.com



From: Deepak Parmar Deepak.Parmar@alliancetg.com
Sent: Friday, January 31, 2025 11:23 AM
To: DeBerry, Eric Eric.Deberry@gdit.com
Cc: Sohil Jodhani Sohil.Jodhani@AllianceTG.com
Subject: Region 01 | Case 51952 | Lab ACE | Issue Discrepancies with COC /PE Instruction.

This Message Is From an External Sender

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



Good morning,

PE Instruction missing for all PE sample received for this Case. PE samples required PR ?

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
www.alliancetg.com     

From: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Sent: Friday, January 31, 2025 10:23 AM
To: DeBerry, Eric <Eric.Deberry@gdit.com>
Cc: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Task Area SST | Region 01 | Case 51952 | Lab ACE | Issue Percent Solids

This Message Is From an External Sender

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

Hi,

Lab has received sediments samples for this case and samples required PR as per scheduling. Lab has proceeded with the analysis for SVOA upon receipt of the samples. Lab did the percent solids for the samples under this case and found that the samples A6301, A6302, A6305, A6307, A6322, A6323 & A6324 has less than 30% solids. In this case, lab has already processed the samples with 30g sample volume due to Preliminary results required for the samples and Lab will report final data as processed. Please note that samples do not have any standing water received in the container and sample matrix is very light textured soil. Please confirm that the resolution will be applied for this case.

Please see attached.

Thanks & Regards,



Sohil Jodhani

QA/QC Director

An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3152

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

www.alliancetg.com

