

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51811 MA No.: _____ SDG No.: MH2D28
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
MH2D28	P5393-01	X		X	
MH2D31	P5393-02	X		X	
MH2D34	P5393-03	X		X	
MH2D37	P5393-04	X		X	
MH2D40	P5393-05	X		X	
MH2D43	P5393-06	X		X	
MH2D46	P5393-07	X		X	
MH2D49	P5393-08	X		X	
MH2D52	P5393-09	X		X	
MH2D55	P5393-10	X		X	
MH2D58	P5393-11	X		X	
MH2D61	P5393-12	X		X	
MH2D64	P5393-13	X		X	
MH2D67	P5393-14	X		X	
MH2D70	P5393-15	X		X	
MH2D73	P5393-16	X		X	
MH2D76	P5393-17	X		X	
MH2D76D	P5393-18	X		X	
MH2D76S	P5393-19	X		X	

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____
 Date: _____ Title: _____

TechLaw - ESAT Scott Vanovermeiren
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900
CarrierName: FedEx

CHAIN OF CUSTODY RECORD
Site #: 0000
ESAT - 1 Denver Federal Center, Denver, CO 80225
Case #: 51811

No: 2024_OCT_SO_BPMD_#51811
Lab: Alliance Technical Group LLC
Lab Address: 284 Sheffield Street
Mountainside, NJ 07092

Lab #	CLP Sample #	Tag	Location	Collected	Sample Time	Analyses	Matrix	Container	Numb Cont	Lab QC
	MH2D26	1755	EF-SS01	10/28/2024	15:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1
	MH2D27	1756	EF-SS01	10/28/2024	15:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	1
	MH2D28	1757	EF-SS01	10/28/2024	15:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	1
	MH2D29	1762	EF-SB01	10/28/2024	15:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1
	MH2D30	1763	EF-SB01	10/28/2024	15:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	1
	MH2D31	1764	EF-SB01	10/28/2024	15:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	1
	MH2D32	1769	MT-SS03	10/28/2024	14:00	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1
	MH2D33	1770	MT-SS03	10/28/2024	14:00	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	1
	MH2D34	1771	MT-SS03	10/28/2024	14:00	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	1
	MH2D35	1776	SL-SS05	10/28/2024	11:25	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1
	MH2D36	1777	SL-SS05	10/28/2024	11:25	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	1
	MH2D37	1778	SL-SS05	10/28/2024	11:25	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	1
	MH2D38	1783	SL-SS06	10/28/2024	11:50	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1
	MH2D39	1784	SL-SS06	10/28/2024	11:50	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	1
	MH2D40	1785	SL-SS06	10/28/2024	11:50	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	1
	MH2D41	1790	MT-SS02	10/28/2024	09:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1
	MH2D42	1791	MT-SS02	10/28/2024	09:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	1
	MH2D43	1792	MT-SS02	10/28/2024	09:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	1
	MH2D44	1797	SL-SS03	10/28/2024	10:45	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	1

Special Instructions: QC to be determined by the lab

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>Amr H. Esat RS</i>	12/26/24 (5:00)	<i>R. Melendez</i>	9:40 12.27.24	± 2 gms #1 2.4, 3.2, 3.1, 3.0, 3.1, 2.4 Temp Blank present Custody Seal intact

68HERH20D0011

SDG # MH2D28

TechLaw - ESAT Scott Vanovermeiren
Lab Contact: Mohammad Ahmed
Lab Phone: 908-789-8900
CarrierName: FedEx

CHAIN OF CUSTODY RECORD
Site #: 0000
ESAT - 1 Denver Federal Center, Denver, CO 80225
Case #: 51811

No: 2024_OCT_SO_BPMD_#51811
Lab: Alliance Technical Group LLC
Lab Address: 284 Sheffield Street
Mountainside, NJ 07092

Lab #	CLP Sample #	Tag	Location	Collected	Sample Time	Analyses	Matrix	Container	Numb Cont	Lab QC
	MH2D45	1798	SL-SS03	10/28/2024	10:45	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	3
	MH2D46	1799	SL-SS03	10/28/2024	10:45	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	3
	MH2D47	1804	SL-SS04	10/28/2024	11:00	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	3
	MH2D48	1805	SL-SS04	10/28/2024	11:00	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	3
	MH2D49	1806	SL-SS04	10/28/2024	11:00	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	3
	MH2D50	1811	SL-SS01	10/28/2024	10:15	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	3
	MH2D51	1812	SL-SS01	10/28/2024	10:15	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	4
	MH2D52	1813	SL-SS01	10/28/2024	10:15	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	4
	MH2D53	1818	MT-SS05	10/28/2024	15:00	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	4
	MH2D54	1819	MT-SS05	10/28/2024	15:00	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	4
	MH2D55	1820	MT-SS05	10/28/2024	15:00	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	4
	MH2D56	1825	SL-SS02	10/28/2024	10:34	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	4
	MH2D57	1826	SL-SS02	10/28/2024	10:34	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	4
	MH2D58	1827	SL-SS02	10/28/2024	10:34	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	4
	MH2D59	1832	MT-SS01	10/28/2024	09:20	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	4
	MH2D60	1833	MT-SS01	10/28/2024	09:20	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	4
	MH2D61	1834	MT-SS01	10/28/2024	09:20	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	4
	MH2D62	1839	MT-SS04	10/28/2024	14:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	4
	MH2D63	1840	MT-SS04	10/28/2024	14:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	4

Special Instructions: QC to be determined by the lab

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>Quarck ESAT R8</i>	12/26/24 <i>5:50</i>	<i>R. Meland</i>	9:40 12.27.24	IE gun #1 & 4 th
					Temp Blank present
					Custody seal intact

68HERH20D0011

SDG # MH2D28

TechLaw - ESAT Scott Vanovermeiren
 Lab Contact: Mohammad Ahmed
 Lab Phone: 908-789-8900
 Carrier Name: FedEx

CHAIN OF CUSTODY RECORD
 Site #: 0000
 ESAT - 1 Denver Federal Center, Denver, CO 80225
 Case #: 51811

No: 2024_OCT_SO_BPMD_#51811
 Lab: Alliance Technical Group LLC
 Lab Address: 284 Sheffield Street
 Mountainside, NJ 07092

Lab #	CLP Sample #	Tag	Location	Collected	Sample Time	Analyses	Matrix	Container	Numb Cont	Lab QC
	MH2D64	1841	MT-SS04	10/28/2024	14:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	135
	MH2D65	1846	T2-SB	10/28/2024	16:40	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	5
	MH2D66	1847	T2-SB	10/28/2024	16:40	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	5
	MH2D67	1848	T2-SB	10/28/2024	16:40	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	146
	MH2D68	1853	T3-SB	10/28/2024	15:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	6
	MH2D69	1854	T3-SB	10/28/2024	15:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	6
	MH2D70	1855	T3-SB	10/28/2024	15:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	136
	MH2D71	1860	T1-SB	10/28/2024	11:20	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	6
	MH2D72	1861	T1-SB	10/28/2024	11:20	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	6
	MH2D73	1862	T1-SB	10/28/2024	11:20	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	166
	MH2D74	1867	T1-SB	10/28/2024	11:20	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	6
	MH2D75	1868	T1-SB	10/28/2024	11:20	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	6
	MH2D76	1869	T1-SB	10/28/2024	11:20	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	618-02

Special Instructions: QC to be determined by the lab

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>Chapman</i> ESAT P8	12/26/24 1500	<i>R. Melendy</i>	12-27-24	EQ gun #1 240
					Temp Blank Preserved
					Custody Seal intact

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>1</u>
Received By (Print Name) <u>Gregory Rice</u>		Log-in Date 12/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51811	SDG No. MH2D28	MA No. N/A

Remarks:			Aqueous/ Water Sample pH	Corresponding Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
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.	<u>771042901591</u> <u>1</u>					
6. Shipping Container Temperature Indicator Bottle	Present					
7. Shipping Container Temperature	<u>3.2</u> Degree C					
8. Sample Condition	Intact					
9. Sample Tags Sample Tag Numbers	Absent Listed on Traffic Report					
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes					
11. Date Received at Lab	<u>12/27/2024</u>					
12. Time Received	<u>09:40</u>					

#	EPA Sample #	Aqueous/ Water Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2D28	N/A	1757	P5393-01	Intact
2	MH2D31	N/A	1764	P5393-02	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

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>12/30/24</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>6</u>
Received By (Print Name) <u>Cassanova</u>		Log-in Date 12/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51811	SDG No. MH2D28	MA No. N/A


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.	<u>771042901606</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>3.1</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>12/27/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MH2D34	,	1771	P5393-03	Intact
2	MH2D37	N/A	1778	P5393-04	Intact
3	MH2D40	N/A	1785	P5393-05	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>12/30/24</u>	Logbook Page No. N/A


SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>3</u> of <u>6</u>
Received By (Print Name) <u>Agencia</u>		Log-in Date 12/27/2024
Received By (Signature) 		
Case Number 51811	SDG No. MH2D28	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>771042901617</u> <u>3</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.4</u> <u>Degree C</u>
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>12/27/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MH2D43	N/A	1992 1792 dN	P5393-06	Intact
2	MH2D46	N/A	1799	P5393-07	Intact
3	MH2D49	N/A	1806	P5393-08	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		Logbook No.	N/A
Date	12/30/24	Logbook Page No.	N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>4</u> of <u>6</u>
Received By (Print Name) <u>Esq. [Signature]</u>		Log-in Date 12/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51811	SDG No. MH2D28	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>771042901628</u> <u>4</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>3.0</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>12/27/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MH2D52	N/A	1813	P5393-09	Intact
2	MH2D55	N/A	1820	P5393-10	Intact
3	MH2D58	N/A	1827	P5393-11	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>12/30/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>5</u> of <u>1</u>
Received By (Print Name) <u>Essenava</u>		Log-in Date 12/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51811	SDG No. MH2D28	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>771042901639</u> <u>5</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>3.1</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>12/27/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MH2D61	N/A	1834	P5393-12	Intact
2	MH2D64	N/A	1841	P5393-13	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

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>12/30/24</u>	Logbook Page No. N/A

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>6</u> of <u>6</u>
Received By (Print Name) <u>Gregory Riser</u>		Log-in Date 12/27/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51811	SDG No. MH2D28	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>771042901640</u> <u>6</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>12/27/2024</u>
12. Time Received	<u>09:40</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MH2D67	N/A	1848	P5393-14	Intact
2	MH2D70	N/A	1855	P5393-15	Intact
3	MH2D73	N/A	1862	P5393-16	Intact
4	MH2D76	N/A	1869	P5393-17	Intact
5	MH2D76D	N/A	1869	P5393-18	Intact
6	MH2D76S	N/A	1869	P5393-19	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>12/30/24</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.	51811	SDG NO.	MH2D28
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	10	✓	
4. CSF Inventory Sheet (DC-2)	11	13	✓	
5. SDG Narrative	14	16	✓	
6. Communication Logs	NA	NA	✓	
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	17	33	✓	
9. Instrument raw data by instrument in analysis order	34	395	✓	

Other Data

10. Standard and Reagent Preparation Logs	396	558	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	559	560	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	561	568	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	569	572	✓	
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	NA	NA	✓	
18. Instrument raw data by instrument in analysis order	NA	NA	✓	

Other Data

19. Standard and Reagent Preparation Logs	NA	NA	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

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

Analysis Forms and Data (Mercury)

26 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	573	589	✓	
27 . Instrument raw data by instrument in analysis order	590	592	✓	

Other Data

28 . Standard and Reagent Preparation Logs	593	619	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	620	621	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	622	624	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32 . Extraction Logs for TCLP and SPLP	625	628	✓	
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 6)

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
629	634	✓	
NA	NA	✓	
635	636	✓	
NA	NA	✓	
637	637	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MH2D28

CASE # 51811

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID #P5393

A. Number of Samples and Date of Receipt

17 Soil samples were delivered to the laboratory intact on 12/27/2024.

B. Parameters

Test requested for SPLP MetalGroup3 = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc & SPLP Mercury.

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 3.2°C, 3.1°C, 2.4°C, 3.0°C

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

Issue : A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

E. Corrective Action taken for above:

Resolution: To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

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



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Mountainside, NJ 07092**

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

G. Calculation:

Calculation for ICP-AES Water Sample:

$$\text{Concentration or Result } (\mu\text{g/L}) = C \times \frac{V_f}{V_i} \times \text{DF} \times 1000$$

Where,

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

V_f = Final digestion volume (mL)

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

DF = Dilution Factor

Example Calculation For Sample MH2D28 For Arsenic:

If C = 0.0139316 ppm

V_f = 50 ml

V_i = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.0139316 \times \frac{50}{50} \times 1 \times 1000$$

$$= 13.9316 \mu\text{g/L}$$

$$= 14 \mu\text{g/L} \text{ (Reported Result with Signification)}$$

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 Sample MH2D28:

If C = 0.0389 ppb

DF = 1



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Concentration or Result ($\mu\text{g/L}$) = 0.0389×1
= $0.0389 \mu\text{g/L}$
= $0.039 \mu\text{g/L}$ (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 Antimony, Arsenic, Barium, Silver. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

Samples receive as soil but as per ASR process for SPLP and forms are reported with water.

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