SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51811 MA No.: 3123.0,3124.0 SDG No.: MH2D27

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	Analysis Method ICP-AES	ICP-MS	Mercury	Cyanide
MH2D27	P5392-01	X		X	
MH2D30	P5392-02	X		X	
MH2D33	P5392-03	X		X	
MH2D36	P5392-04	X		X	
MH2D39	P5392-05	X		X	
MH2D42	P5392-06	X		X	
MH2D45	P5392-07	X		X	
MH2D48	P5392-08	X		X	
MH2D51	P5392-09	X		X	
MH2D54	P5392-10	X		X	
MH2D57	P5392-11	X		X	
MH2D60	P5392-12	X		X	
MH2D63	P5392-13	X		X	
MH2D66	P5392-14	X		X	
MH2D69	P5392-15	X		X	
MH2D72	P5392-16	X		X	
MH2D75	P5392-17	X		X	
MH2D75D	P5392-18	X		X	
MH2D75S	P5392-19	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: _____

68HERH20D0011 SDG # MH2D27

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	8 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	2 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	3 1
	MH2D34	1771	MT-SS03	10/28/2024	14:00	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	2
	MH2D35	1776	SL-SS05	10/28/2024	11:25	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	2
	MH2D36	1777	SL-SS05	10/28/2024	11:25	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	4 2
	MH2D37	1778	SL-SS05	10/28/2024	11:25	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	2
	MH2D38	1783	SL-SS06	10/28/2024	11:50	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	2
	MH2D39	1784	SL-SS06	10/28/2024	11:50	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	5 2
	MH2D40	1785	SL-SS06	10/28/2024	11:50	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	2
	MH2D41	1790	MT-SS02	10/28/2024	09:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	2
	MH2D42	1791	MT-SS02	10/28/2024	09:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	6 3
	MH2D43	1792	MT-SS02	10/28/2024	09:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	3
	MH2D44	1797	SL-SS03	10/28/2024	10:45	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	3

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
	ESAT R8	12/26/24 1500			
			R. Melendez	9:40 12.27.24	IR gun # 3.0, 3.2, 2.4, 2.4, 3.0, 3.1
					Temp Blank present
					Custody Seal intact

68HERH20D0011 SDG # MH2D27

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	7 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	8 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	4
	MH2D51	1812	SL-SS01	10/28/2024	10:15	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	9 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	10 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	11 4
	MH2D58	1827	SL-SS02	10/28/2024	10:34	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	5
	MH2D59	1832	MT-SS01	10/28/2024	09:20	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	5
	MH2D60	1833	MT-SS01	10/28/2024	09:20	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	12 5
	MH2D61	1834	MT-SS01	10/28/2024	09:20	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	5
	MH2D62	1839	MT-SS04	10/28/2024	14:30	CLP_TAL Metals+Hg	Soil	Plastic Baggie	1	5
	MH2D63	1840	MT-SS04	10/28/2024	14:30	CLP_Modified SPLP (TAL Metals)+Hg	Soil	Plastic Baggie	1	13 5

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
	ESAT R8	12/26/24 1500			
			R. Melendez	9:40 12.27.24	IR gun #1 3.1°
					Temp Blank present
					Custody seal intact

68HERH20D0011 SDG # MH2D27

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
	MH2D64	1841	MT-SS04	10/28/2024	14:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	5
	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	4 6
	MH2D67	1848	T2-SB	10/28/2024	16:40	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	6
	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	15 6
	MH2D70	1855	T3-SB	10/28/2024	15:30	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	6
	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	16 6
	MH2D73	1862	T1-SB	10/28/2024	11:20	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	6
	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	19 6
	MH2D76	1869	T1-SB	10/28/2024	11:20	CLP_Standard SPLP+Hg	Soil	Plastic Baggie	1	6

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
	ESAT R8	12/26/24 1500			
			R Melendez	9:40 12.27.24	IR gun ID 1 3.1°
					Temp BLANK present
					Custody seal intact

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page 1 of 6
Received By (Print Name) Cassanova Lexie		Log-in Date **12/27/2024**
Received By (Signature)		
Case Number 51811	SDG No. MH2D27	MA No. 3123.0,3124.0

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.	771042901591 1
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	3.2 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	12/27/2024
12.Time Received	09:40

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2D27	N/A	1756	P5392-01	Intact
2	MH2D30	N/A	1763	P5392-02	Intact
3	MH2D33	N/A	1770	P5392-03	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 2 of 6
Received By (Print Name) Cassandra Perie		Log-in Date **12/27/2024**
Received By (Signature)		
Case Number 51811	SDG No. MH2D27	MA No. 3123.0,3124.0

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

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2D36	N/A	1777	P5392-04	Intact
2	MH2D39	N/A	1784	P5392-05	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		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 3 of 6
Received By (Print Name) Cassandra Rose		Log-in Date **12/27/2024**
Received By (Signature)		
Case Number 51811	SDG No. MH2D27	MA No. 3123.0,3124.0

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.	771042901617 3
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.4 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	12/27/2024
12.Time Received	09:40

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2D42	N/A	1791	P5392-06	Intact
2	MH2D45	N/A	1798	P5392-07	Intact
3	MH2D48	N/A	1805	P5392-08	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 4 of 6
Received By (Print Name) Cassiopeia Lee		Log-in Date **12/27/2024**
Received By (Signature)		
Case Number 51811	SDG No. MH2D27	MA No. 3123.0,3124.0

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.	771042901628 4
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	3.0 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	12/27/2024
12.Time Received	09:40

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2D51	N/A	1812	P5392-09	Intact
2	MH2D54	N/A	1819	P5392-10	Intact
3	MH2D57	N/A	1826	P5392-11	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		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 5 of 6
Received By (Print Name) Rosanna Pena		Log-in Date **12/27/2024**
Received By (Signature)		
Case Number 51811	SDG No. MH2D27	MA No. 3123.0,3124.0

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.	771042901639 5
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	3.1 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	12/27/2024
12.Time Received	09:40

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MH2D60	N/A	1833	P5392-12	Intact
2	MH2D63	N/A	1840	P5392-13	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		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 6 of 6
Received By (Print Name) Casandra Rene		Log-in Date **12/27/2024**
Received By (Signature)		
Case Number 51811	SDG No. MH2D27	MA No. 3123.0,3124.0

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.	771042901640 6
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	2.4 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	12/27/2024
12.Time Received	09:40

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MH2D66	N/A	1847	P5392-14	Intact
2	MH2D69	N/A	1854	P5392-15	Intact
3	MH2D72	N/A	1861	P5392-16	Intact
4	MH2D75	N/A	1868	P5392-17	Intact
5	MH2D75D	N/A	1868	P5392-18	Intact
6	MH2D75S	N/A	1868	P5392-19	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		Logbook No.	N/A
Date	12/30/24	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.	**MH2D27**
MA NO.	**3123.0,3124.0**	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 NOs: FROM	PAGE NOs: TO	CHECK LAB	CHECK 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	18	✓	
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	19	35	✓	
9 . Instrument raw data by instrument in analysis order	36	397	✓	
Other Data				
10 . Standard and Reagent Preparation Logs	398	560	✓	
11 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	561	562	✓	
12 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	563	570	✓	
13 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14 . Extraction Logs for TCLP and SPLP	571	574	✓	
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: FROM	TO	CHECK 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	575	591	✓	
27. Instrument raw data by instrument in analysis order	592	594	✓	
Other Data				
28. Standard and Reagent Preparation Logs	595	621	✓	
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	622	623	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	624	626	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32. Extraction Logs for TCLP and SPLP	627	630	✓	
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	✓	

	PAGE NOs: FROM	TO	CHECK LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments 6)	631	636	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	637	638	✓	
45. Misc. Shipping/Receiving Records (list all individual records)				
	NA	NA	✓	
46. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
	639	639	✓	
47. Other Records and related Communication Logs (describe or list)				
	NA	NA	✓	

48. Comments:

Completed by:
(CLP Lab)

(Signature)	Nimisha Pandya, Document Control Officer (Print Name & Title)	(Date)

Audited by:
(EPA)

(Signature)	(Print Name & Title)	(Date)

284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MH2D27
CASE # 51811
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID #P5392
MODIFIED ANALYSIS # 3124.0, 3123.0

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^{o}C, 3.1^{o}C, 2.4^{o}C, 3.0^{o}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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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:

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

Where,

C = Instrument value in ppm (The average of all replicate exposures)
Vf = Final digestion volume (mL)
Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
DF = Dilution Factor

Example Calculation For Sample MH2D27 For Arsenic:

If C = 0.0156865 ppm
Vf = 50 ml
Vi = 50 ml
DF = 1

$$\text{Concentration or Result } (\mu g/L) = 0.0156865 \times \frac{50}{50} \times 1 \times 1000$$

$$= 15.6865 \ \mu g/L$$

$$= 16 \ \mu g/L \ \text{(Reported Result with Signification)}$$

Calculation for Hg Water Sample:

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

Where,

C = Instrument response in µg/L from the calibration curve.
DF = Dilution Factor

Example Calculation For Sample MH2D27:

If C = 0.2667 ppb
DF = 1

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Concentration or Result (µg/L) = 0.2667 x 1

= 0.2667 µg/L

= 0.27 µg/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, 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

Date: 10/04/2021	**MA:** 3123.0	**Title:** Mercury with SPLP with Reduced Ratio of Extraction Fluid to Sample
Method Source: SFAM01.1	**Method:** CVAA	
Matrix: Soil/Sediment		

Summary of Modification

The purpose of this modified analysis is to prepare modified SPLP leachates of samples and analyze them for Mercury by CVAA. 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 applicable** ☒

II. Calibration and QC Requirements **Not applicable** ☒

III. Preparation and Method Modifications **Not applicable** ☐

The Laboratory shall:

- Calculate the amount of extraction fluid necessary for each sample based on 4 times the percent solids x weight of sample filtered. See Equation 33 in Section 3.6 of Exhibit G and change the "20" to "4" for calculating the amount of fluid required.
- Digest the extracts using the aqueous sample preparation method for Mercury samples. Prepare the extraction blank as the Leachate Extraction Blank (LEB).
- If there is insufficient volume for the full-volume preparation of samples by all scheduled analytical methods, prepare the samples at reduced volume with adjusted reagent and spike volumes.

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

The Laboratory shall:

- 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.

Date: 10/04/2021	**MA:** 3124.0	**Title:** ICP-AES with SPLP with Reduced Ratio of Extraction Fluid to Sample
Method Source: SFAM01.1	**Method:** ICP-AES	
Matrix: Soil/Sediment		

Summary of Modification

The purpose of this modified analysis is to prepare modified SPLP leachates of samples and analyze them by ICP-AES. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

I. Analyte Modifications **Not applicable** ☒

II. Calibration and QC Requirements **Not applicable** ☒

III. Preparation and Method Modifications **Not applicable** ☐

The Laboratory shall:

- Calculate the amount of extraction fluid necessary for each sample based on 4 times the percent solids x weight of sample filtered. See Equation 33 in Section 3.6 of Exhibit G and change the "20" to "4" for calculating the amount of fluid required.
- Digest the extracts using the aqueous sample preparation method for ICP-AES samples. Prepare the extraction blank as the Leachate Extraction Blank (LEB).
- If there is insufficient volume for the full-volume preparation of samples by all scheduled analytical methods, prepare the samples at reduced volume with adjusted reagent and spike volumes. The sample final volume shall equal the sample initial volume.

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

The Laboratory shall:

- 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.