

SDG COVER PAGE

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

Lab Code: ACE Case No.: 51847 MA No.: _____ SDG No.: ME28M0

SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
ME28M0	P5067-01	X	X	X	X
ME28M1	P5067-02	X	X	X	X
ME28M2	P5067-03	X	X	X	X
ME28M3	P5067-04	X	X	X	X
ME28M4	P5067-05	X	X	X	X
ME28M5	P5067-06	X	X	X	X
ME28M6	P5067-07	X	X	X	X
ME28M7	P5067-08	X	X	X	X
ME28M8	P5067-09	X	X	X	X
ME28M9	P5067-10	X	X	X	X
ME28N0	P5067-11	X	X	X	X
ME28N1	P5067-12	X	X	X	X
ME28N2	P5067-13	X	X	X	X
ME28N3	P5067-14	X	X	X	X
ME28N4	P5067-15	X	X	X	X
ME28N5	P5067-16	X	X	X	X
ME28N6	P5067-17	X	X	X	X
ME28N7	P5067-18	X	X	X	X
ME28N8	P5067-19	X	X	X	X
ME28N8D	P5067-20	X	X	X	X
ME28N8S	P5067-21	X	X	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: _____

CHAIN OF CUSTODY RECORD

Lab Phone: 908-728-3151

[illegible]

Special Instructions: Please return cooler with enclosed airbill (1Z93947Y0300594597).

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

Analysis Key: ARO=Aroclors, VOA=Volatiles, ICP-MS/AES+HG+CN=ICP-AES/MS (5-10, 11+)+HG+CN

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Patrick Davis	12/26/14 1630	UOS	11:00	IL Count # 1 1.9.5
				12-3-24	Custody Seal Intact Team Black Ops. 1

USEPA CLP COC (LAB COPY)

Date Shipped: 12/3/2024

Carrier Name: UPS

Airbill No: 1Z93947Y4418853456

CHAIN OF CUSTODY RECORD

Case #: 51847

Cooler #: 2

No: 5-120324-170356-0297

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Ahmed

Lab Phone: 908-728-3151

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
IA11SB03-0.5-2	E28N6	Soil	Grab	Semivolatiles, PAHs+PCP by SIM (TAT 21 Days)(21), ARO(21), VOA(21)	2931, 4299, 4301 (MeOH), 4302, 4303 (6)	IA-11-SB-03	12/03/2024 14:20	
IA11SB03-13-14	E28N7	Soil	Grab	Semivolatiles, PAHs+PCP by SIM (TAT 21 Days)(21), ARO(21), VOA(21)	2931, 4304, 4306 (MeOH), 4307, 4308 (6)	IA-11-SB-03	12/03/2024 14:30	
IA02MW01S-22-23	E28N8	Soil	Grab	Semivolatiles, PAHs+PCP by SIM (TAT 21 Days)(21), ARO(21), VOA(21)	2931, 4309, 4311 (MeOH), 4312, 4313 (6)	IA-02-MW-01S	12/03/2024 15:30	
IA11MMW04-0.0.5	ME28M9	Soil	Grab	ICP-MS/AES+HG+CN(21)	4265 (1)	IA-11-MMW-04	12/03/2024 10:15	✓
IA11MMW04-0.5-2	ME28N0	Soil	Grab	ICP-MS/AES+HG+CN(21)	4270 (1)	IA-11-MMW-04	12/03/2024 10:25	✓
IA11MMW04-12-13	ME28N1	Soil	Grab	ICP-MS/AES+HG+CN(21)	4275 (1)	IA-11-MMW-04	12/03/2024 10:40	✓
IA02MMW01-0.0.5	ME28N2	Soil	Grab	ICP-MS/AES+HG+CN(21)	4280 (1)	IA-02-MMW-01	12/03/2024 10:55	✓
IA02MMW01-5-6	ME28N3	Soil	Grab	ICP-MS/AES+HG+CN(21)	4285 (1)	IA-02-MMW-01	12/03/2024 11:10	✓
IA02MMW01-27-28	ME28N4	Soil	Grab	ICP-MS/AES+HG+CN(21)	4290 (1)	IA-02-MMW-01	12/03/2024 11:35	✓
IA11SB03-0.0.5	ME28N5	Soil	Grab	ICP-MS/AES+HG+CN(21)	4295 (1)	IA-11-SB-03	12/03/2024 14:15	✓
IA11SB03-0.5-2	ME28N6	Soil	Grab	ICP-MS/AES+HG+CN(21)	4300 (1)	IA-11-SB-03	12/03/2024 14:20	✓
IA11SB03-13-14	ME28N7	Soil	Grab	ICP-MS/AES+HG+CN(21)	4305 (1)	IA-11-SB-03	12/03/2024 14:30	✓
IA02MMW01S-22-23	ME28N8	Soil	Grab	ICP-MS/AES+HG+CN(21)	4310 (1)	IA-02-MMW-01S	12/03/2024 15:30	✓

Special Instructions: Please return cooler with enclosed airbill (1Z93947Y0306544602).

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ARO=Aroclors, VOA=Volatiles, ICP-MS/AES+HG+CN=ICP-AES/MS (5-10, 11+) +HG+CN

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		12/3/24 1720	UPS	11:18 12-6-24	23- Custody Seal intact Temp Out preserved

FORM DC-1
SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC		Page <u>1</u> of <u>2</u>
Received By (Print Name) <u>Cassandra Peña</u>		Log-in Date 12/3/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51847	SDG No. ME28M0	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>1Z93947Y4412280442</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>1.9</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>12/03/2024</u>
12. Time Received	<u>11:00</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME28M0	N/A	4220	P5067-01	Intact
2	ME28M1	N/A	4225	P5067-02	Intact
3	ME28M2	N/A	4230	P5067-03	Intact
4	ME28M3	N/A	4235	P5067-04	Intact
5	ME28M4	N/A	4240	P5067-05	Intact
6	ME28M5	N/A	4245	P5067-06	Intact
7	ME28M6	N/A	4250	P5067-07	Intact
8	ME28M7	N/A	4255	P5067-08	Intact
9	ME28M8	N/A	4260	P5067-09	Intact
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>12/3/24</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>2</u>
Received By (Print Name) <u>Cassie Lee</u>		Log-in Date 12/4/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51847	SDG No. ME28M0	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>1Z93947Y4418853456</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.3</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>12/04/2024</u>
12. Time Received	<u>10:20 11:18</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	ME28M9	N/A	4265	P5067-10	Intact
2	ME28N0	N/A	4270	P5067-11	Intact
3	ME28N1	N/A	4275	P5067-12	Intact
4	ME28N2	N/A	4280	P5067-13	Intact
5	ME28N3	N/A	4285	P5067-14	Intact
6	ME28N4	N/A	4290	P5067-15	Intact
7	ME28N5	N/A	4295	P5067-16	Intact
8	ME28N6	N/A	4300	P5067-17	Intact
9	ME28N7	N/A	4305	P5067-18	Intact
10	ME28N8	N/A	4310	P5067-19	Intact
11	ME28N8D	N/A	4310	P5067-20	Intact
12	ME28N8S	N/A	4310	P5067-21	Intact
13	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A
21	N/A	N/A	N/A	N/A	N/A
22	N/A	N/A	N/A	N/A	N/A
23	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By <u>[Signature]</u>	Logbook No. N/A
Date <u>12/4/24</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.	51847	SDG NO.	ME28M0
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	3	✓	
3. Sample Log-In Sheet (DC-1)	4	5	✓	
4. CSF Inventory Sheet (DC-2)	6	8	✓	
5. SDG Narrative	6	8	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	9	10	✓	

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	11	29	✓	
18. Instrument raw data by instrument in analysis order	30	351	✓	

Other Data

19. Standard and Reagent Preparation Logs	352	495	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	496	497	✓	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	498	500	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	<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	NA	NA	✓	
27 . Instrument raw data by instrument in analysis order	NA	NA	✓	

Other Data

28 . Standard and Reagent Preparation Logs	NA	NA	✓	
29 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
30 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
31 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
32 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
33 . Raw GPC Data	NA	NA	✓	
34 . Raw Florisil Data	NA	NA	✓	

Analysis Forms and Data (Cyanide)

35 . Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable	NA	NA	✓	
36 . Instrument raw data by instrument in analysis order	NA	NA	✓	

Other Data

37 . Standard and Reagent Preparation Logs	NA	NA	✓	
38 . Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
39 . Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA	✓	
40 . Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
41 . Extraction Logs for TCLP and SPLP	NA	NA	✓	
42 . Raw GPC Data	NA	NA	✓	
43 . Raw Florisil Data	NA	NA	✓	

Additional

44. EPA Shipping/Receiving Documents

Airbill (No. of Shipments 2)

Sample Tags

Sample Log-In Sheet (Lab)

45. Misc. Shipping/Receiving Records (list all individual records)

46. Internal Lab Sample Transfer Records and Tracking Sheets
(describe or list)

47. Other Records and related Communication Logs
(describe or list)

48. Comments:

Completed by:
(CLP Lab)

(Signature)

Nimisha Pandya, Document Control Officer

(Print Name & Title)

(Date)

Audited by:
(EPA)

(Signature)

(Print Name & Title)

(Date)

PAGE NOs:		CHECK	
FROM	TO	LAB	REGION
501	502	✓	
NA	NA	✓	
503	506	✓	
NA	NA	✓	
507	507	✓	
NA	NA	✓	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/9/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 12:35
In Date: 12/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 07:44
Out Date: 12/08/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC:LB133812

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P5067-01	ME28M0	1	1.16	8.37	9.53	8.95	93.1	
P5067-02	ME28M1	2	1.17	8.77	9.94	8.7	85.9	
P5067-03	ME28M2	3	1.16	8.52	9.68	8.37	84.6	
P5067-04	ME28M3	4	1.17	8.71	9.88	9.00	89.9	
P5067-05	ME28M4	5	1.14	8.45	9.59	8.96	92.5	
P5067-06	ME28M5	6	1.17	8.53	9.7	9.34	95.8	
P5067-07	ME28M6	7	1.16	8.82	9.98	9.16	90.7	
P5067-08	ME28M7	8	1.19	8.48	9.67	8.96	91.6	
P5067-09	ME28M8	9	1.16	8.58	9.74	8.63	87.1	
P5067-10	ME28M9	10	1.16	8.66	9.82	7.99	78.9	
P5067-11	ME28N0	11	1.16	8.43	9.59	8.54	87.5	
P5067-12	ME28N1	12	1.15	8.57	9.72	9.00	91.6	
P5067-13	ME28N2	13	1.16	8.76	9.92	8.25	80.9	
P5067-14	ME28N3	14	1.17	8.55	9.72	8.83	89.6	
P5067-15	ME28N4	15	1.17	8.51	9.68	5.54	51.4	
P5067-16	ME28N5	16	1.18	8.49	9.67	7.67	76.4	
P5067-17	ME28N6	17	1.17	8.48	9.65	8.07	81.4	
P5067-18	ME28N7	18	1.16	8.40	9.56	8.74	90.2	
P5067-19	ME28N8	19	1.16	8.58	9.74	7.86	78.1	
P5067-20	ME28N8D	20	1.16	8.58	9.74	7.86	78.1	
P5067-21	ME28N8S	21	1.16	8.58	9.74	7.86	78.1	

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

WORKLIST(Hardcopy Internal Chain)

18
~~133810~~ 20133812

WorkList Name : %1-P5067

WorkList ID : 186099

Department : Wet-Chemistry

Date : 12-07-2024 10:49:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5067-01	ME28M0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-02	ME28M1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-03	ME28M2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-04	ME28M3	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-05	ME28M4	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-06	ME28M5	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-07	ME28M6	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-08	ME28M7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-09	ME28M8	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-10	ME28M9	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/02/2024	Chemtech -SO
P5067-11	ME28N0	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-12	ME28N1	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-13	ME28N2	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-14	ME28N3	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-15	ME28N4	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-16	ME28N5	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-17	ME28N6	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-18	ME28N7	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-19	ME28N8	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-20	ME28N8D	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO
P5067-21	ME28N8S	Solid	Percent Solids	Cool 4 deg C	USEP01	C32	12/03/2024	Chemtech -SO

Date/Time 12/07/24 12:00

Raw Sample Received by: 28 WLC

Raw Sample Relinquished by: 30 CSM

Date/Time 12/07/24

Raw Sample Received by: 30 CSM

Raw Sample Relinquished by: 30 CSM