

SDG COVER PAGE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51863 MA No.: _____ SDG No.: MC0D37
 SOW No. : SFAM01.1

EPA Sample No.	Lab Sample Id	ICP-AES	Analysis Method		
			ICP-MS	Mercury	Cyanide
MC0D37	P4755-01	X			
MC0D43	P4755-02	X			
MC0D49	P4755-03	X			
MC0D55	P4755-04	X			
MC0D63	P4755-05	X			
MC0D65	P4755-06	X			
MC0D67	P4755-07	X			
MC0DA7	P4755-08	X			
MC0D94	P4755-09	X			
MC0DA0	P4755-10	X			
MC0DA6	P4755-11	X			
MC0D73	P4755-12	X			
MC0D79	P4755-13	X			
MC0D88	P4755-14	X			
MC0DA9	P4755-15	X			
MC0DA9D	P4755-16	X			
MC0DA9S	P4755-17	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 # MC0D37

Page 1 of 1

USEPA CLP COC (LAB COPY)

DateShipped: 11/6/2024

Carrier/Name: FedEx

AirbillNo: 779763140746

CHAIN OF CUSTODY RECORD

Case #: 51863

Cooler #: 1

No: 3-110524-191119-0170

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Arned

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SH-SS-18-a	MC0D32	Soil/ START	Composite	Pb(7)	3389 (4 C) (1)	Pile 18	11/05/2024 15:13	
SH-SS-18-b	MC0D33	Soil/ START	Composite	Pb(7)	3390 (4 C) (1)	Pile 18	11/05/2024 15:17	
SH-SS-18-c	MC0D34	Soil/ START	Composite	Pb(7)	3391 (4 C) (1)	Pile 18	11/05/2024 15:21	
SH-SS-18-d	MC0D35	Soil/ START	Composite	Pb(7)	3392 (4 C) (1)	Pile 18	11/05/2024 15:26	
SH-SS-18-e	MC0D36	Soil/ START	Composite	Pb(7)	3393 (4 C) (1)	Pile 18	11/05/2024 15:28	
SH-SS-18	MC0D37	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3471 (4 C) (1)	Pile 18	11/05/2024 15:32	1
SH-SS-18-a	MC0D38	Soil/ START	Composite	Pb(7)	3395 (4 C) (1)	Pile 19	11/05/2024 15:15	
SH-SS-19-b	MC0D39	Soil/ START	Composite	Pb(7)	3396 (4 C) (1)	Pile 19	11/05/2024 15:20	
SH-SS-19-c	MC0D40	Soil/ START	Composite	Pb(7)	3397 (4 C) (1)	Pile 19	11/05/2024 15:35	
SH-SS-19-d	MC0D41	Soil/ START	Composite	Pb(7)	3398 (4 C) (1)	Pile 19	11/05/2024 15:40	
SH-SS-19-e	MC0D42	Soil/ START	Composite	Pb(7)	3399 (4 C) (1)	Pile 19	11/05/2024 15:45	
SH-SS-19	MC0D43	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3472 (4 C) (1)	Pile 19	11/05/2024 15:50	2
SH-SS-7-a	MC0D44	Soil/ START	Composite	Pb(7)	3401 (4 C) (1)	Pile 7	11/05/2024 15:15	
SH-SS-7-b	MC0D45	Soil/ START	Composite	Pb(7)	3402 (4 C) (1)	Pile 7	11/05/2024 15:18	
SH-SS-7-c	MC0D46	Soil/ START	Composite	Pb(7)	3403 (4 C) (1)	Pile 7	11/05/2024 15:26	
SH-SS-7-d	MC0D47	Soil/ START	Composite	Pb(7)	3404 (4 C) (1)	Pile 7	11/05/2024 15:32	
SH-SS-7-e	MC0D48	Soil/ START	Composite	Pb(7)	3405 (4 C) (1)	Pile 7	11/05/2024 15:40	
SH-SS-7	MC0D49	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3477 (4 C) (1)	Pile 7	11/05/2024 15:45	3

Special Instructions:

Analysis Key: Pb=Pb by ICP-AES, TCLP Metals - Cd+Pb=TCLP Metals - Cd and Pb

Shipment for Case Complete? N

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> TMM	11/6/24 16:55	<i>[Signature]</i>	11/7/24 9:15	26
					Custody Seal intact - Temp Blank present

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SDG # MC0D37

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USEPA CLP COC (LAB COPY)

Date Shipped: 11/6/2024

Carrier Name: FedEx

Airbill No: 779763140676

CHAIN OF CUSTODY RECORD

Case #: 51863

Cooler #: 2

No: 3-110524-191400-0171

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Arned

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collector Date/Time	For Lab Use Only
SHI-SS-3.9-a	MC0D50	Soil/ START	Composite	Pb(7)	3407 (4 C) (1)	Pile 3.9	11/05/2024 15:50	
SHI-SS-3.9-b	MC0D51	Soil/ START	Composite	Pb(7)	3408 (4 C) (1)	Pile 3.9	11/05/2024 15:52	
SHI-SS-3.9-c	MC0D52	Soil/ START	Composite	Pb(7)	3409 (4 C) (1)	Pile 3.9	11/05/2024 15:55	
SHI-SS-3.9-d	MC0D53	Soil/ START	Composite	Pb(7)	3410 (4 C) (1)	Pile 3.9	11/05/2024 15:59	
SHI-SS-3.9-e	MC0D54	Soil/ START	Composite	Pb(7)	3411 (4 C) (1)	Pile 3.9	11/05/2024 16:03	
SHI-SS-3.9	MC0D55	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3524 (4 C) (1)	Pile 3.9	11/05/2024 16:08	4
SHI-SS-HR-a	MC0D56	Soil/ START	Composite	Pb(7)	3413 (4 C) (1)	Haul Road	11/05/2024 15:40	
SHI-SS-HR-b	MC0D57	Soil/ START	Composite	Pb(7)	3414 (4 C) (1)	Haul Road	11/05/2024 15:42	
SHI-SS-HR-c	MC0D58	Soil/ START	Composite	Pb(7)	3415 (4 C) (1)	Haul Road	11/05/2024 15:47	
SHI-SS-HR-d	MC0D59	Soil/ START	Composite	Pb(7)	3416 (4 C) (1)	Haul Road	11/05/2024 15:51	
SHI-SS-HR-e	MC0D60	Soil/ START	Composite	Pb(7)	3417 (4 C) (1)	Haul Road	11/05/2024 15:54	
SHI-SS-HR-c-D	MC0D61	Soil/ START	Composite	Pb(7)	3418 (4 C) (1)	Haul Road	11/05/2024 15:48	
SHI-SS-HR-d-D	MC0D62	Soil/ START	Composite	Pb(7)	3419 (4 C) (1)	Haul Road	11/05/2024 15:52	
SHI-SS-HR	MC0D63	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3479 (4 C) (1)	Haul Road	11/05/2024 15:56	5
SHI-SS-11-a	MC0D64	Soil/ START	Composite	Pb(7)	3421 (4 C) (1)	Pile 11	11/05/2024 16:22	
SHI-SS-11	MC0D65	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3469 (4 C) (1)	Pile 11	11/05/2024 16:24	6
SHI-SS-20.21-a	MC0D66	Soil/ START	Composite	Pb(7)	3423 (4 C) (1)	Pile 20.21	11/05/2024 17:05	
SHI-SS-20.21	MC0D67	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3473 (4 C) (1)	Pile 20.21	11/05/2024 17:00	7

Sample(s) to be used for Lab QC: SHI-SS-20.21-a Tag 3423

Analysis Key: Pb=Pb by ICP-AES, TCLP Metals - Cd+Pb=TCLP Metals - Cd and Pb

Shipment for Case Complete? N

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>Nguyen Chau T/SMK</i>	11/6/24 1640	<i>AR</i>	11-7-24 9:15	28 Coats 1 2.8 C
					Custody Seal Intact
					Temp OK

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SDG # MC0D37

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USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-110624-076354-0175

Date Shipped: 11/6/2024

Lab: Alliance Technical Group LLC

Carrier Name: FedEx

Case #: 51863

Lab Contact: Mohammad Ahmed

Airbill No: 779772897863

Cooler #: 4

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SHI-SS-17-a	MC0D89	Soil/ START	Composite	Pb(7)	3446 (4 C) (1)	Pile 17	11/05/2024 16:39	
SHI-SS-17-b	MC0D90	Soil/ START	Composite	Pb(7)	3447 (4 C) (1)	Pile 17	11/05/2024 16:45	
SHI-SS-17-c	MC0D91	Soil/ START	Composite	Pb(7)	3448 (4 C) (1)	Pile 17	11/05/2024 16:52	
SHI-SS-17-d	MC0D92	Soil/ START	Composite	Pb(7)	3449 (4 C) (1)	Pile 17	11/05/2024 16:55	
SHI-SS-17-e	MC0D93	Soil/ START	Composite	Pb(7)	3450 (4 C) (1)	Pile 17	11/05/2024 17:02	
SHI-SS-17	MC0D94	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3470 (4 C) (1)	Pile 17	11/05/2024 17:03	9
SHI-SS-8-a	MC0D95	Soil/ START	Composite	Pb(7)	3452 (4 C) (1)	Pile 8	11/05/2024 16:28	
SHI-SS-8-b	MC0D96	Soil/ START	Composite	Pb(7)	3453 (4 C) (1)	Pile 8	11/05/2024 16:33	
SHI-SS-8-c	MC0D97	Soil/ START	Composite	Pb(7)	3454 (4 C) (1)	Pile 8	11/05/2024 16:45	
SHI-SS-8-d	MC0D98	Soil/ START	Composite	Pb(7)	3455 (4 C) (1)	Pile 8	11/05/2024 16:49	
SHI-SS-8-e	MC0D99	Soil/ START	Composite	Pb(7)	3456 (4 C) (1)	Pile 8	11/05/2024 16:53	
SHI-SS-8	MC0DA0	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3478 (4 C) (1)	Pile 8	11/05/2024 16:58	10
SHI-SS-10-a	MC0DA1	Soil/ START	Composite	Pb(7)	3458 (4 C) (1)	Pile 10	11/05/2024 16:30	
SHI-SS-10-b	MC0DA2	Soil/ START	Composite	Pb(7)	3459 (4 C) (1)	Pile 10	11/05/2024 16:35	
SHI-SS-10-c	MC0DA3	Soil/ START	Composite	Pb(7)	3460 (4 C) (1)	Pile 10	11/05/2024 16:40	
SHI-SS-10-d	MC0DA4	Soil/ START	Composite	Pb(7)	3461 (4 C) (1)	Pile 10	11/05/2024 16:45	
SHI-SS-10-e	MC0DA5	Soil/ START	Composite	Pb(7)	3462 (4 C) (1)	Pile 10	11/05/2024 16:50	
SHI-SS-10	MC0DA6	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3467 (4 C) (1)	Pile 10	11/05/2024 16:55	11

Sample(s) to be used for Lab QC: SHI-SS-8-e Tag 3456, SHI-SS-10-d Tag 3461

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

Analysis Key: Pb=Pb by ICP-AES, TCLP Metals - Cd+Pb=TCLP Metals - Cd and Pb

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>[Signature]</i> T7/STP/STP	11/6/24 16:58	<i>[Signature]</i>	11-7-24 9:15	It Cont #1 2.Y. Custody Seal Intact - Temp Plant present

USEPA CLP COC (LAB COPY)

Date Shipped: 11/6/2024

Carrier Name: FedEx

Airbill No: 779763141341

CHAIN OF CUSTODY RECORD

Case #: 51863

Cooler #: 3

No: 3-110524-191402-0172

Lab: Alliance Technical Group LLC

Lab Contact: Mohammad Amed

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SHI-SS-4.5-a	MC0D68	Soil/ START	Composite	Pb(7)	3425 (4 C) (1)	Pile 4.5	11/05/2024 16:02	
SHI-SS-4.5-b	MC0D69	Soil/ START	Composite	Pb(7)	3426 (4 C) (1)	Pile 4.5	11/05/2024 16:04	
SHI-SS-4.5-c	MC0D70	Soil/ START	Composite	Pb(7)	3427 (4 C) (1)	Pile 4.5	11/05/2024 16:07	
SHI-SS-4.5-d	MC0D71	Soil/ START	Composite	Pb(7)	3428 (4 C) (1)	Pile 4.5	11/05/2024 16:11	
SHI-SS-4.5-e	MC0D72	Soil/ START	Composite	Pb(7)	3429 (4 C) (1)	Pile 4.5	11/05/2024 16:13	
SHI-SS-4.5	MC0D73	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3475 (4 C) (1)	Pile 4.5	11/05/2024 16:16	✓
SHI-SS-6.12.13-a	MC0D74	Soil/ START	Composite	Pb(7)	3431 (4 C) (1)	Pile 6.12.13	11/05/2024 16:14	
SHI-SS-6.12.13-b	MC0D75	Soil/ START	Composite	Pb(7)	3432 (4 C) (1)	Pile 6.12.13	11/05/2024 16:20	
SHI-SS-6.12.13-c	MC0D76	Soil/ START	Composite	Pb(7)	3433 (4 C) (1)	Pile 6.12.13	11/05/2024 16:25	
SHI-SS-6.12.13-d	MC0D77	Soil/ START	Composite	Pb(7)	3434 (4 C) (1)	Pile 6.12.13	11/05/2024 16:29	
SHI-SS-6.12.13-e	MC0D78	Soil/ START	Composite	Pb(7)	3435 (4 C) (1)	Pile 6.12.13	11/05/2024 16:37	
SHI-SS-6.12.13	MC0D79	Soil/ START	Composite	TCLP Metals - Cd+Pb(14)	3476 (4 C) (1)	Pile 6.12.13	11/05/2024 16:32	✓
SHI-SS-1.2-b	MC0D81	Soil/ START	Composite	Pb(7)	3438 (4 C) (1)	Pile 1.2	11/05/2024 16:10	
SHI-SS-1.2-c	MC0D82	Soil/ START	Composite	Pb(7)	3439 (4 C) (1)	Pile 1.2	11/05/2024 16:00	
SHI-SS-1.2-d	MC0D83	Soil/ START	Composite	Pb(7)	3440 (4 C) (1)	Pile 1.2	11/05/2024 16:15	
SHI-SS-1.2-e	MC0D84	Soil/ START	Composite	Pb(7)	3441 (4 C) (1)	Pile 1.2	11/05/2024 16:20	
SHI-SS-1.2-c-D	MC0D86	Soil/ START	Composite	Pb(7)	3443 (4 C) (1)	Pile 1.2	11/05/2024 16:02	
SHI-SS-22-a	MC0D87	Soil/ START	Composite	Pb(7)	3444 (4 C) (1)	Pile 22	11/05/2024 17:14	

Special Instructions:

Analysis Key: Pb=Pb by ICP-AES, TCLP Metals - Cd+Pb=TCLP Metals - Cd and Pb

Shipment for Case Complete? N

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>Langford / START</i>	11/06/2024 17:00	<i>AS</i>	11-8-24 0930	1.9-x TCLP SW #1
					Custody seals intact
					Temp 30K - passed

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

No: 3-110524-191402-0172

DateShipped: 11/6/2024

CarrierName: FedEx

Case #: 51863

AirbillNo: 779763141341

Cooler #: 3

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

[illegible]

Special Instructions:

Analysis Key: Pb=Pb by ICP-AES, TCLP Metals - Cd and Pb

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #	Quantity	Remarks

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	<i>[Signature]</i> / START	4/06/2024 17:00	<i>[Signature]</i>	11-8-24 0950	1.9°C ILG 0000 #4
					custody cells without
					Temo 20X. missing

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>Christopher Lee</u>		Log-in Date 11/7/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51863	SDG No. MC0D37	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>779763140746</u> <u>1</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.6</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>11/07/2024</u>
12. Time Received	<u>09:15</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0D37	N/A	3471	P4755-01	Intact
2	MC0D43	N/A	3472	P4755-02	Intact
3	MC0D49	N/A	3477	P4755-03	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 <u>[Signature]</u>	Logbook No. N/A
Date <u>11/9/24</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>4</u>
Received By (Print Name) <u>Cayanava Peric</u>		Log-in Date 11/7/2024
Received By (Signature) <u>Cayanava Peric</u>		
Case Number 51863	SDG No. MC0D37	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>779763140676</u> <u>2</u>
6. Shipping Container Temperature Indicator Bottle	Present
7. Shipping Container Temperature	<u>2.8</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>11/07/2024</u>
12. Time Received	<u>09:15</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0D55	N/A	3524	P4755-04	Intact
2	MC0D63	N/A	3479	P4755-05	Intact
3	MC0D65	N/A	3469	P4755-06	Intact
4	MC0D67	N/A	3473	P4755-07	Intact
5	MC0DA7	N/A	3481	P4755-08	Intact
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>11/9/24 4/24/24</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>Caspera Leic</u>		Log-in Date 11/7/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51863	SDG No. MC0D37	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>779772897863</u> <u>3</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>11/07/2024</u>
12. Time Received	<u>09:15</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0D94	N/A	3470	P4755-09	Intact
2	MC0DA0	N/A	3478	P4755-10	Intact
3	MC0DA6	N/A	3467	P4755-11	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>11/9/24</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>[Signature]</u>		Log-in Date 11/8/2024
Received By (Signature) <u>[Signature]</u>		
Case Number 51863	SDG No. MC0D37	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>779763141341</u> <u>4</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>11/08/2024</u>
12. Time Received	<u>09:50</u>

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1	MC0D73	N/A	3475	P4755-12	Intact
2	MC0D79	N/A	3476	P4755-13	Intact
3	MC0D88	N/A	3474	P4755-14	Intact
4	MC0DA9	N/A	3480	P4755-15	Intact
5	MC0DA9D	N/A	3480	P4755-16	Intact
6	MC0DA9S	N/A	3480	P4755-17	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>11/9/24</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.	51863	SDG NO.	MC0D37
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	7	✓	
3. Sample Log-In Sheet (DC-1)	8	11	✓	
4. CSF Inventory Sheet (DC-2)	12	14	✓	
5. SDG Narrative	15	16	✓	
6. Communication Logs	17	20	✓	
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	21	35	✓	
9. Instrument raw data by instrument in analysis order	36	266	✓	

Other Data

10. Standard and Reagent Preparation Logs	267	409	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	410	411	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	412	421	✓	
13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	422	425	✓	
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	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 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
426	429	✓	
NA	NA	✓	
430	431	✓	
NA	NA	✓	
432	432	✓	
NA	NA	✓	



**284 Sheffield Street
Mountainside, NJ 07092**

SDG NARRATIVE

USEPA

SDG # MC0D37

CASE # 51863

CONTRACT # 68HERH20D0011

SOW# SFAM01.1

LAB NAME: Alliance Technical Group, LLC

LAB CODE: ACE

LAB ORDER ID # P4755

A. Number of Samples and Date of Receipt

15 Soil samples was delivered to the laboratory intact on 11/07/2024, 11/08/2024

B. Parameters

Test requested for TCLP Metals Group1 = Cadmium, Lead.

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.6°C, 2.8°C, 2.4°C, 1.9°C

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

Issue 1 : A "P" or "M" prefix was listed at the beginning of a CLP sample ID.

Issue 2: Laboratory QC has not been performed for SDG MC0D37 (TCLP ICP-AES 1-4 Metals with a 14-day TAT) and SDG MC0DA8 (ICP-AES 1-4 Metals with a 7-day TAT). The samples designated on the attached COC for Laboratory QC were already used for other SDGs. The laboratory would like to use samples MC0DA9 and MC0DA8 for QC analysis and has confirmed that these samples are not blanks, rinsates or PE samples.

E. Corrective Action taken for above:

Resolution 1 : 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.

Resolution 2: Per Region 3, the laboratory should use samples MC0DA9 and MC0DA8 for QC analysis, note the issue in the SDG Narrative and proceed with the analysis of the samples.



**284 Sheffield Street
Mountainside, NJ 07092**

F. Analytical Techniques:

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

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

G. Calculation:

Calculation for ICP-AES 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 MC0D37 For Cadmium:

If C = 0.0010947 ppm

V_f = 50 ml

V_i = 50 ml

DF = 1

$$\text{Concentration or Result } (\mu\text{g/L}) = 0.0010947 \times \frac{50}{50} \times 1 \times 1000$$

$$= 1.0947 \mu\text{g/L}$$

$$= 1.1 \mu\text{g/L (Reported Result with Signification)}$$

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. Duplicate sample did meet. Serial Dilution did meet requirements.

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: Bett, Daisy <Daisy.Bett@gdit.com>
Sent: Tuesday, November 12, 2024 11:33 AM
To: Deepak Parmar; Sohil Jodhani; Mohammad Ahmed
Cc: burman.jarmael@epa.gov; roberson.sharon@epa.gov; Bauer, Heather E; Johnson, Matthew
Subject: Region 03 | Case 51863 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC | FINAL
Attachments: SKM_95824110912340.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 morning,

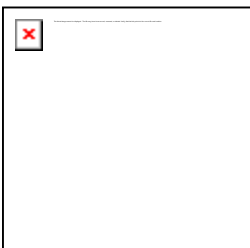
Issue: Laboratory QC has not been performed for SDG MC0D37 (TCLP ICP-AES 1-4 Metals with a 14-day TAT) and SDG MC0DA8 (ICP-AES 1-4 Metals with a 7-day TAT). The samples designated on the attached COC for Laboratory QC were already used for other SDGs. The laboratory would like to use samples MC0DA9 and MC0DA8 for QC analysis and has confirmed that these samples are not blanks, rinsates or PE samples.

Resolution: Per Region 3, the laboratory should use samples MC0DA9 and MC0DA8 for QC analysis, note the issue in the SDG Narrative and proceed with the 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.

Thank you,
Daisy Bett
Research Analyst Associate
GDIT Federal Civilian Division
EPA Region 2&3 CLP QSS Coordinator
Under contract to the EPA

T: 571.454.0186
daisy.bett@gdit.com
15036 Conference Center Drive
Chantilly, VA 20151
www.gdit.com



Leave alert: Nov 29th

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From: Burman, Jarmael <Burman.Jarmael@epa.gov>

Sent: Tuesday, November 12, 2024 8:32 AM

To: Bett, Daisy <Daisy.Bett@gdit.com>

Cc: Roberson, Sharon <Roberson.Sharon@epa.gov>

Subject: RE: NEW ISSUE | Case 51863 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC

This Message Is From an External Sender

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

Daisy,

Have ACE use Samples MC0DA9 and MC0DA8 for Laboratory QC, for SDGs MC0D37 & MC0DA8, make note of the issue in their SDG Narrative, and proceed with the analysis of the samples.

Jarmael Burman
US EPA Region 3 - CLP RR/RSCC/DDS/QA Chemist/DAS PO/EEOC
701 Mapes Road
Fort Meade, Maryland 20755-5350
(410) 305-2743 (office)
(410) 305-3095 (fax)

From: Bett, Daisy <Daisy.Bett@gdit.com>

Sent: Monday, November 11, 2024 4:36 PM

To: Burman, Jarmael <Burman.Jarmael@epa.gov>

Cc: Roberson, Sharon <Roberson.Sharon@epa.gov>

Subject: NEW ISSUE | Case 51863 | Lab ACE | Issue Insufficient/inappropriate designation of laboratory QC

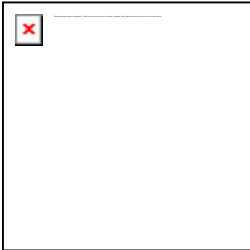
Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good afternoon,

Issue: Laboratory QC has not been performed for SDG MC0D37 (TCLP ICP-AES 1-4 Metals with a 14-day TAT) and SDG MC0DA8 (ICP-AES 1-4 Metals with a 7-day TAT). The samples designated on the COC for Laboratory QC were used for other SDGs. The laboratory would like to use samples MC0DA9 and MC0DA8 for QC analysis and has confirmed that these samples are not blanks, rinsates or PE samples.

Thank you,
Daisy Bett
Research Analyst Associate
GDIT Federal Civilian Division
EPA Region 2&3 CLP QSS Coordinator
Under contract to the EPA

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Chantilly, VA 20151
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Leave alert: Nov 29th

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From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Saturday, November 9, 2024 12:55 PM
To: Bett, Daisy <Daisy.Bett@gdit.com>
Cc: Sohil Jodhani <Sohil.Jodhani@AllianceTG.com>
Subject: Region3 | Case 51863 | Lab ACE | Issue Discrepancies with tags, jars, and/or COC

This Message Is From an External Sender

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

Good morning,

Issue 1 : two SDGs MC0D37 for TCLP METALS and MC0DA8 FOR ICP-AES is open without lab QC. However, a sample was not designated for Laboratory QC. Lab like to use samples MC0DA9, MC0DA8 for Lab QC. these samples are not blanks, rinsates or PE samples. It's 14 days and 7 days SDGs. Qc sample mentioned on COC are use for other SDGs.

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

