SDG COVER PAGE

			SDG COVER FAGE	-		
Lab Name:	Alliance	Technical Group, LLC	Contract:	68HERH201	00011	
Lab Code:	ACE	Case No.: 51716	MA No.:			SDG No.: MCOPI1
SOW No. :	SFAM01.1					
				Analysis		
EPA Sampl	e No.	Lab Sample Id	ICP-AES I	ICP-MS	Mercury	Cyanide
MC0PI1		P4584-01	X		Х	
MC0PI5		P4584-02	X		Х	
MCOPIO		P4584-03	X		Х	
MCC0Q4		P4584-04	X		Х	
MCC0Q5		P4584-05	X		Х	
MCC0Q6		P4584-06	X		Х	
MCC0Q7	20Q7 P4584-07 X			Х		
MCC0Q8	MCC0Q8 P4584-08		X			
MCC0Q9		P4584-09	X		Х	
MCC0R0		P4584-10	X		Х	
MCC0R1		P4584-11	X		Х	
MCC0R2		P4584-12	X		Х	
MCC0R3		P4584-13	X		Х	
MCC0R4		P4584-14	X		X	
MCC0R5		P4584-15	X		Х	
MCC0R6		P4584-16	Х		Х	
MCC0R6D		P4584-17	X		Х	
MCC0R6S		P4584-18	Х		Х	
MCC0R8		P4584-19	X		Х	

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:

re: ______ Name: ______ Title: ______

Date:

Items/Reason	Special Instructions: Analysis Key: SVOA=CLP Semivolatiles, PAH SIM=CLP PAH by SIM, PEST=CLP Pesticides, ICP-AES=CLP ICP-AES Metals	PDA-RB01- MC0PI1 20241022	20241022 COPI1	fier Sa	DateShipped: 10/25/2024 CarrierName: FedEx AirbillNo: 7795 2619 4930	
Relinquished b (Signature and Organization)	ivolatiles, PAH SIM=CLF	11 Water/ START	1 Water/START			
anization	PAH by SIM	Grab	Grab	Coll. Method		
Date/Time Receive	, PEST=CLP Pesticides, ICF	ICP-AES(21)	SVOA(21), PAH SIM(21), PEST(21)	Analysis/Turnaround (Days)	CHAIN OF CUSTODY RECORD Case #: 51716 Cooler #: RB01	
Received by (Signature and Organization)	+ Hg	1019 (HNO3 pH<2, <6C) (1)	1013 (<6C), 1014 (<6C), 1015 (<6C), 1016 (<6C), 1017 (<6C), 1018 (<6C) (6)	Tag/Preservative/Bo	DDY RECORD 11716 RB01	
Date/Time 0900 10.26.2	Shipment for Case Complete? N Samples Transferred From Chali - aq	QC	ຄິ	Location		
Date Time Sample Condition Upon Receipt 0900 Tewer 2.1.c 0.26.7024 TR Gue # 1 Cufuly up tezt 1 Tewer Rulicson	Shipment for Case Complete? N Samples Transferred From Chain of Custody # - aq	10/22/2024 16:55	10/22/2024 16:55	Collection Date/Time	No: 3-102524-152340-0001 Lab: Alliance Technical Group, LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	
y sezt intac	Sustody #			For Lab Use Only	No: 3-102524-152340-0001 b: Alliance Technical Group, LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	

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Page 1 of 1

68HERH20D0011

SDG # MC0PI1

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USEPA CLP COC (LAB COPY) DateShipped: 10/25/2024 CarrierName: FedEx AirbillNo: 7795 2641 4942	AB COPY) 2024 4942			CHAIN OF CUSTOUY RECORD Case #: 51716 Cooler #: RB02	07 RECORD 1716 1802		NO: 3-102524-154538-0002 Lab: Alliance Technical Group, LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	-102524-154538-0002 nce Technical Group, LLC ontact: Mohammad Ahmed 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
PDA-R802- 20241023	C0PI5	Water/ START	Grab	SVOA(21), PAH SIM(21), PEST(21)	1027 (<6C), 1028 (<6C), 1029 (<6C), 1030 (<6C), 1031 (<6C), 1032 (<6C) (6)	QC	10/23/2024 16:30	
PDA-RB02- 20241023	MC0PI5	Water/ START	Grab	ICP-AES(21)	1033 (HNO3 pH<2, <6C) (1)	â	10/23/2024 16:30	
						Shinmont for Case	Complete N	
Special Instructions:						Samples Transferred From Chair	Samples Transferred From Chain of Custody #	ustody #
1alysis Key: SVOA=C	LP Semivola	tiles, PAH SIM=CLI	P PAH by SIN	Analysis Key: SVOA=CLP Semivolatiles, PAH SIM=CLP PAH by SIM, PEST=CLP Pesticides, ICP-AES=CLP ICP-AES Metals	-AES=CLP ICP-AES Metals + Hg - aq	aq		
Items/Reason Rel	Relinquished by	(Signature and Organization)	anization)	Date/Time Received by	d by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt	Upon Receipt
φ	oh Sh	N STAR	Ą	10/25/24	- (L-1-	10-26-202	TEN 2.0	#0
0			-				Custody seel intect	seal int
							TEMP Ble Nesen	Presen

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SDG # MC0PI1

USEPA CLP COC (LAB COPY) DateShipped: 10/28/2024 CarrierName: FedEx AirbillNo: 7795 7250 1072	(LAB COPY) 8/2024 Ex 0 1072			0	Case #: 51716 Cooler #: Metals 2		Lab: Alliance Technical Group, LLC Lab Contact: Yazmeen Gomez Lab Phone: 908-789-8900	ab: Alliance Technical Group, LLC Lab Contact: Yazmeen Gomez Lab Phone: 908-789-8900
Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	around Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PDA-SS01- 20241022	MCOPIO	Soil/ START	Grab	ICP-AES(21)	1) 1010 (<6C) (1)	SS01	10/22/2024 09:15	۶ -
PDA-SS03- 20241022	MCCOPO	Soil/ START	Grab	ICP-AES(21)	1) 1135 (<6C) (1)	SS03	10/22/2024 11:00	r q
PDA-SS12- 20241023	MCC0Q4	Soil/ START	Grab	ICP-AES(21)	1090 (<6C) (1)	SS12	10/23/2024 09:10	۹ ۲
PDA-SS17- 20241023	MCC0Q5	Soil/ START	Grab	ICP-AES(21)	(1) 1093 (<6C) (1) V	SS17	10/23/2024 10:00	ک مر
PDA-DUP02- 20241022	MCCIQ6	Soil/ START	Grab	ICP-AES(21)	(1) 1096 (<6C) (1)	DUP02	10/22/2024 12:00	؟ د
PDA-SS19- 20241023	MCC0Q7	Soil/ START	Grab	ICP-AES(21)	(1) 1099 (<6C) (1)	SS19	10/23/2024 10:40	۲ ۲
PDA-DUP03- 20241023	MCC0Q8	Soil/ START	Grab	ICP-AES(21)	1) 1102 (<6C) (1)	DUP03	10/23/2024 12:00	٩
PDA-SS13- 20241023	MCC0Q9	Soil/ START	Grab	ICP-AES(21)	1) 1105 (<6C) (1)	SS13	10/23/2024 11:05	۲ ىد
PDA-SS18- 20241023	MCCORO	Soil/ START	Grab	ICP-AES(21)	1) 1108 (<6C) (1)	SS18	10/23/2024 11:25	۲ 8
PDA-SS15- 20241023	MCCOR1	Soil/ START	Grab	ICP-AES(21)	1) 1111 (<6C) (1) V	SS15	10/23/2024 13:00	\ هر
ample(s) to be use	d for Lab QC: P	Sample(s) to be used for Lab QC: PDA-SS03-20241022 Tag 1135	2 Tag 1135		0	Shipment for Case Complete? N Samples Transferred From Chai	Shipment for Case Complete? N Samples Transferred From Chain of Custody #	Custody #
Analysis Key: ICP-AES=CLP ICP-AES Metals + Hg Items/Reason Relinquished by (Signature and	ES=CLP ICP-A	ES=CLP ICP-AES Metals + Hg	anization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt	1 Upon Receipt
	the Shu	L STAR		10/28/24	CQ	455 10-29-24	Th.C. #	1 2.4.
							Custory S	eal Infac
							Temp Blank	1K prese

Page 1 of 2

SDG # MC0PI1

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DateShipped: 10/28/2024	28/2024						Lab: Alliance Technical Group, LLC	nical Group, LLC
CarrierName: FedEx AirbillNo: 7795 7250 1072	Ex 50 1072			Cas Coole	Case #: 51716 Cooler #: Metals 2		Lab Contact: \ Lab Phon	Lab Contact: Yazmeen Gomez Lab Phone: 908-789-8900
Sample Identifier	Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	und Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PDA-SS16- 20241023	MCCOR2	Soil/ START	Grab	ICP-AES(21)	1114 (<6C) (1)	SS16	10/23/2024 13:45	۲ ت
PDA-SB16- 20241023	MCCOR3	Soil/ START	Grab	ICP-AES(21)	1117 (<6C) (1)	SB16	10/23/2024 13:45	<
PDA-DUP04- 20241023	MCC0R4	Soil/ START	Grab	ICP-AES(21)	1120 (<6C) (1)	DUP04	10/23/2024 12:00	14
PDA-SB02- 20241023	MCC0R5	Soil/ START	Grab	ICP-AES(21)	1123 (<6C) (1) √	SB02	10/23/2024 14:45	در
PDA-SS02- 20241023	MCC0R6	Soil/ START	Grab	ICP-AES(21)	1126/(<6C), 1140/(<6C) (2)	SS02	10/23/2024 14:45	5 14-
PDA-SB21- 20241023	MCC0R7	Soil/ START	Grab	ICP-AES(21)	1129, (<6C), 1145, (<6C) (2)	SB21	10/23/2024 15:34	
PDA-SS21- 20241023	MCCOR8	Soil/ START	Grab	ICP-AES(21)	1132,(×6C) (1)	SS21	10/23/2024 15:34	< 15
•						Shipment for Case Complete? N	e Complete? N	
Sample(s) to be used for Lab QC: PDA-SS02-2024 Analysis Key: ICP-AES=CLP ICP-AES Metals + Hg	ed for Lab QC: P AES=CLP ICP-A	•DA-SS02-2024102 \ES Metals + Hg	3 Tag 1140, F	Sample(s) to be used for Lab QC: PDA-SS02-20241023 Tag 1140, PDA-SB21-20241023 Tag 1145 Analysis Key: ICP-AES=CLP ICP-AES Metals + Hg		amples Transfer	Samples Transferred From Chain of Custody #	Custody #
Items/Reason	Relinquished by	Relinquished by (Signature and Organization)	ganization)	Date/Time R	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt	n Upon Receipt
	John Shy	ul STAI	27	10/21/24	Che-	955	TR. G. #	t 2.4.
							Custody Seal	
							and they	- Weber

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Page 2 of 2

USEPA CLP COC (LAB COPY)

CHAIN OF CUSTODY RECORD

SDG # MC0PI1

68HERH20D0011

No: 3-102824-140023-0007

FORM DC-1

SAMPLE LOG-IN SHEET

Received By (Pr	int Name)					Log-in Date	10/26/2	024
Received By (Si		SE)	JESMON					
Case Number	51716	SDG	No. MCOP	T1		MA No. N/	A	
	51710	1000						
Remarks:						Correspondir	ng	
1. Custody Seal (s)	Present, Intact			Aqueous	/			Remarks: Condition
2. Custody Seal Nos.	n/a		EPA Sample #	Water Sample pH	Sarr Tag	•	Assigned Lab #	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MC0PI1	1.3	1019		P4584-01	Intact
Custody Records		2	N/A	Ń/A	N/A		N/A	N/A
4. Airbill	Describ	3	N/A	N/A	N/A		N/A	N/A
4. Alıbili	Present	4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and	779526194930	5	N/A	N/A	N/A		N/A	N/A
Shipping Container ID No.	1	6	N/A	N/A	N/A		N/A	N/A
1		- 7	N/A	N/A	N/A		N/A	N/A
6. Shipping Container Temperature	Present	8	N/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A		N/A	N/A
7. Shipping Container	2.1 Degree C	10	N/A	N/A	N/A		N/A	N/A
Temperature	2.1 Degree 0	11	N/A	N/A	N/A		N/A	N/A
8. Sample	Intact	12	N/A	N/A	N/A		N/A	N/A
Condition		13	N/A	N/A	N/A		N/A	N/A
•		14	N/A	N/A	N/A		N/A	N/A
Sample Tags	Absent	15	N/A	N/A	N/A		N/A	N/A
Sample Tag Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
	Report	17	N/A	N/A	N/A		N/A	N/A
0. Does information on Traffic	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of		19	N/A	N/A	N/A		N/A	N/A
Custody Records and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
1. Date Received at	10/26/2024	22	N/A	N/A	N/A		N/A	N/A
Lab	10/20/2024	23	N/A	N/A	N/A		N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	\checkmark	Logbook No.	N/A
Date	10/30/24	Logbook Page No.	N/A

FORM DC-1

SAMPLE LOG-IN SHEET

Received By (Pr	int Name)					Page 2 of Log-in Date	/	024
Received By (Si	V 100	500	NESULON					
Case Number	51716	SDG	No. MCOPI	1		MA No. N/	Α	
case Number	51/10	1300						
Remarks:] [Correspondir	ıg	
1. Custody Seal (s)	Present, Intact			Aqueous	,			Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned Lab #	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	МСОРІ5	1.3	1033		P4584-02	Intact
Custody Records		2	N/A	N/A	N/A		N/A	N/A
Airbill	Dresent	3	N/A	N/A	N/A		N/A	N/A
Allon	Present	4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and	779526414942	5	N/A	N/A	N/A		N/A	N/A
Shipping Container	2	6	N/A	N/A	N/A		N/A	N/A
		7	N/A	N/A	N/A		N/A	N/A
6. Shipping Container Temperature	Present	8	N/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A		N/A	N/A
7. Shipping Container	2.0 Degree C	10	N/A	N/A	N/A		N/A	N/A
Temperature	2.0 Degree 0	11	N/A	N/A	N/A		N/A	N/A
3. Sample	Intact	12	N/A	N/A	N/A		N/A	N/A
Condition		13	N/A	N/A	N/A		N/A	N/A
		14	N/A	N/A	N/A		N/A	N/A
9. Sample Tags	Absent	15	N/A	N/A	N/A		N/A	N/A
Sample Tag Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
	Report	17	N/A	N/A	N/A		N/A	N/A
0. Does information on Traffic	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of		19	N/A	N/A	N/A		N/A	N/A
Custody Records and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
1. Date Received at	10/26/2024	22	N/A	N/A	N/A		N/A	N/A
Lab	10/20/2024	23	N/A	N/A	N/A		N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By	U.	Logbook No.	N/A	
Date	10/30/201	Logbook Page No.	N/A	

Lab Name - Alli	ance Technical Group	C n	<u>â∳?o ‼∵â</u> n	a≢Ç aa∗	<u>e</u> t â∳	Page 3 of	2	
Received By (Pr	<u> </u>	y LLC	-()					2024 ^{Tw+}
1	Contra	2010	-fere	-		Log-in Date	9 10/29/2	.024
Received By (Si		Lana	MCOD	, ·	_	ALC: NO	A	· · · · ·
Case Number	51716	SDG	No. MCOP	11 *5		MA No. N/	A	
Remarks:						Correspondir	na	
4. Eusfody Seal (s)	Present, Intact		ar gradit gradi	Aqueous				Remarks: Condition
2 Sustedy Seal 2, 12 Nos	18n/a		EPA Sample #	Water Sample pH	Sam Tag		Assigned Lab #	of Sample Shipment, etc.
3. Traffic -'Reports/Chain Of	Present	1	MCOPIO	N/A	1010		P4584-03	Intact
Custody Records		2	MCC0Q4	N/A	1090		P4584-04	Intact
		3	MCC0Q5	N/A	1093	3	P4584-05	Intact
l. Airbill	Present	4	MCC0Q6	N/A	1096		P4584-06	Intact
. Airbill No. and	779572501072	5	MCC0Q7	N/A	1099		P4584-07	Intact
Shipping Container ID No.		6	MCC0Q8	N/A	1102	1	P4584-08	Intact
	3	7	MCC0Q9	N/A	1105		P4584-09	Intact
5. Shipping Container Temperature	Present	8	MCCORO	N/A	1108	d l'	P4584-10	Intact /
Indicator Bottle		9	MCCOR1	N/A	1111		P4584-11	Intact
. Shipping Container	2.4 Degree C	10	MCCOR2	N/A	1114	×	P4584-12	Intact
Temperature	2.4 Degree C	11	MCCOR3	N/A	1117		P4584-13	Intact
. Sample	Intact	12	MCC0R4	N/A	1120	5	P4584-14	Intact
Condition		13	MCC0R5	N/A	1123		P4584-15	Intact
		14	MCCOR6	N/A	1126,1140		P4584-16	Intact
Sample Tags	Absent	15	MCC0R6D	N/A	1126,1140		P4584-17	Intact
Sample Tag Numbers	Listed on Traffic	16	MCCOR6S	[™] N∕A	1126,1140		P4584-18	Intact
	Report	17	MCCOR8	N/A	1132		P4584-19	Intact
). Does information on Traffic	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of		19	N/A	N/A	N/A		N/A	N/A
Custody Records and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
. Date Received at	10/29/2024	22	N/A	N/A	N/A		N/A	N/A
Lab	+0/23/2024	23	N/A	N/A	N/A		N/A	N/A

* Contact SMO and attach record of resolution

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Reviewed By		(Y	N STATIST	Logbook No.	N/A	
Date	*Č*	2020 10 10 10 10 DEP	DAOUB 7 0	Lagbook Page Mg.		o ¥::#o
0-402 0			FORMODC	- 1 o	SFAMO	1_ # (11/2020)

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

LAB NAME	Alliance Technic	cal Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51716	SDG NO.	MC0PI1
MA NO.		SOW NO.	SFAM01.1
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:	CH	ECK
	FROM	TO	LAB	REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	5	✓	
3. Sample Log-In Sheet (DC-1)	6	8	✓	
4. CSF Inventory Sheet (DC-2)	9	11	✓	
5. SDG Narrative	12	15	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	16	17	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	18	34	_ ✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	35	870	1	
Other Data				
10. Standard and Reagent Preparation Logs	871	1040	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1041	1044	✓	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1045	1074		
 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	NA	NA	✓	
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
19. Standard and Reagent Preparation Logs	NA	NA	1	
20. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	✓	
Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

	PAGE	NOs:	CH	IECK
	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	1075	1091	✓	
or sample analysis, laboratory QC as applicable 27. Instrument raw data by instrument in analysis order	1092	1096	✓	
Other Data				
28. Standard and Reagent Preparation Logs	1097	1146		
29. Original Preparation and Cleanup forms or copies of Preparation and	1147	1150	✓	
Cleanup Logbooks 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1151	1155	✓	
 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	NA	NA	✓	
or sample analysis, laboratory QC as applicable 36. Instrument raw data by instrument in analysis order	NA	NA		
Other Data				
37. Standard and Reagent Preparation Logs	NA	NA	1	
38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	NA	NA	✓	
 Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 	NA	NA	✓	. <u> </u>
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:	CH	IECK
			FROM	TO	LAB	REGION
Additional 44. EPA Shipp	ing/Receiving Documents					
Airbill (No. of Shipments)		1156	1158	✓	
Sample Ta	gs		NA	NA	✓	
Sample Lo	g-In Sheet (Lab)		1159	1161	✓	
45. Misc. Shi	pping/Receiving Records(list all individ	ual records)	NA	NA	✓	
	Lab Sample Transfer Records and Tracking e or list)	Sheets	1162	1166		
	cords and related Communication Logs e or list)		NA	NA		
48. Comments:						
Completed by (CLP Lab)	:	Nimisha Pandya, Docu	ment Control	Officer		
Audited by: (EPA)	(Signature)	(Print Name & Title		UTICEL	(Da	te)
	(Signature)	(Print Name & Title)		(Da	te)



284 Sheffield Street Mountainside, NJ 07092

SDG NARRATIVE

USEPA SDG # MC0PI1 CASE # 51716 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4584

A. Number of Samples and Date of Receipt

15 Soil and 01 Water samples were delivered to the laboratory intact on 10/26/2024 and 10/29/2024.

B. Parameters

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

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.1°C, 2.0°C, 2.4°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.

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



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G. Calculation:

Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

Concentration (mg/kg) = $C \times \frac{Vf}{W \times S} \times DF$

Where,

C = Instrument value in ppm (The average of all replicate exposures)
 Vf = Final digestion volume (mL)
 W = Initial aliquot amount (g) (Sample amount taken in prep)
 S = % Solids / 100 (Fraction of Percent Solids)
 DF = Dilution Factor

Example Calculation For Sample MC0PI0 For Antimony:

If C = 0.0171752 ppm Vf = 100 ml W = 1.42gS = 0.707 (70.7/100)DF = 1

Concentration (mg/kg) = $0.0171752 \text{ x} \frac{100}{1.42 \text{ x} 0.707} \text{ x} 1$

= 1.7108 mg/kg

= 1.7 mg/kg (Reported Result with Signification)

Calculation for ICP-AES Water Sample:

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



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Example Calculation For Sample MC0PI1 For Aluminum:

If C = 0.0596831 ppm Vf = 50 ml Vi = 50 ml DF = 1

Concentration or Result (μ g/L) = 0.0596831x $\underline{50}$ x 1 x 1000 $\underline{50}$

 $= 59.6831 \, \mu g/L$

= 60 μ g/L (Reported Result with Signification)

Calculation for Hg Soil Sample:

Conversion of Results from μg /L or ppb to mg/kg :

Concentration (mg/kg) = $C \times \frac{Vf}{W \times S} \times DF / 1000$

Where,

C = Instrument response in μg/L from the calibration curve.
 Vf = Final prepared (absorbing solution) volume (mL)
 W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
 S = % Solids / 100 (Fraction of Percent Solids)
 DF = Dilution Factor

Example Calculation For Sample MC0PI0:

If C =0.6597 ppb
Vf = 100 mL
W = 0.55g
S = 0.707(70.7/100)
DF = 1
Concentration (mg/kg) =
$$0.6597 \text{ x} \frac{100}{0.55 \text{ x} 0.707} \text{ x} 1 / 1000$$

= 0.1697 mg/kg
= 0.17 mg/kg (Reported Result with Signification)



284 Sheffield Street Mountainside, NJ 07092 Calculation for Hg Water Sample:

Concentration or Result $(\mu g/L) = C \times DF$ Where, $C = \text{Instrument response in } \mu g/L$ from the calibration curve. DF = Dilution Factor

Example Calculation For Sample:

If C = 0.1236 ppb DF = 1 Concentration or Result (μ g/L) = 0.1236 x 1 = 0.1236 μ g/L = 0.12 μ 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 Lead, and Selenium. Duplicate sample did meet requirements. 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



PERCENT SOLID

Supervisor: Iwona Analyst: jignesh Date: 10/31/2024

OVENTEMP IN Celsius(°C): 107 Time IN: 12:25 In Date: 10/30/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius (°C): 103 Time OUT: 08:00 Out Date: 10/31/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLIDS-OVEN

QC:LB133206

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
P4584-03	MCOPIO	1	1.14	8.82	9.96	7.38	70.7	
P4584-04	MCC0Q4	2	1.16	8.42	9.58	7.84	79.3	
P4584-05	MCC0Q5	3	1.15	8.38	9.53	7.64	77.4	
P4584-06	MCC0Q6	4	1.16	8.69	9.85	9.22	92.8	
P4584-07	MCC0Q7	5	1.15	8.78	9.93	8.61	85.0	
P4584-08	MCC0Q8	6	1.16	8.50	9.66	8.35	84.6	
P4584-09	MCC0Q9	7	1.14	8.79	9.93	9.57	95.9	
P4584-10	MCC0R0	8	1.13	8.83	9.96	8.82	87.1	
P4584-11	MCC0R1	9	1.15	8.66	9.81	7.9	77.9	
P4584-12	MCC0R2	10	1.15	8.64	9.79	7.53	73.8	
P4584-13	MCC0R3	11	1.17	8.56	9.73	7.84	77.9	
P4584-14	MCC0R4	12	1.16	8.42	9.58	7.19	71.6	
P4584-15	MCC0R5	13	1.18	8.77	9.95	9.55	95.4	
P4584-16	MCC0R6	14	1.15	8.62	9.77	9.3	94.5	
P4584-17	MCC0R6D	15	1.15	8.62	9.77	9.3	94.5	
P4584-18	MCC0R6S	16	1.15	8.62	9.77	9.3	94.5	
P4584-19	MCC0R8	17	1.15	8.41	9.56	8.85	91.6	

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

			WORKLIST(Hardcopy Internal Chain)	arucopy internal CI				
WorkList Name :	%14-p[4584	WorkList ID :	ID : 184949	Department :	Wet-Chemistry	Ő	Date : 10-30-20	10-30-2024 11:52:11
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
P4584-03	MC0PI0	Solid	Percent Solids	Cool 4 deg C				
P4584-04	MCC0Q4	Solid	Percent Solids	Cool 4 dea C	USED01	722	10/22/2024	Chemtech -SO
P4584-05	MCC0Q5	Solid	Percent Solids	Cool 4 dea C			10/23/2024	Chemtech -SO
P4584-06	MCC0Q6	Solid	Percent Solids	Cool 4 den C		770	10/23/2024	Chemtech -SO
P4584-07	MCC0Q7	Solid	Percent Solids	Cool 4 ded C		770	10/22/2024	Chemtech -SO
P4584-08	MCC0Q8	Solid	Percent Solids	Cool 4 dea C		770	10/23/2024	Chemtech -SO
P4584-09	MCC0Q9	Solid	Percent Solids		USEPUT	022	10/23/2024	Chemtech -SO
P4584-10	MCCDRD			coul 4 deg c	USEP01	Q22	10/23/2024	Chemtech -SO
DAGOA 44			Percent Solids	Cool 4 deg C	USEP01	Q22	10/23/2024	Chemtech -SO
11-4004-1	MCCUR1	Solid	Percent Solids	Cool 4 deg C	USEP01	Q22	10/23/2024	Chemtech _CO
P4584-12	MCC0R2	Solid	Percent Solids	Cool 4 dea C	LISED01	233		
P4584-13	MCC0R3	Solid	Percent Solids	Cool 4 den C		777	10/23/2024	Chemtech -SO
P4584-14	MCC0R4	Solid	Percent Solids			770	10/23/2024	Chemtech -SO
P4584-15	MCC0R5	Solid	Doroomt Colida		USEPUT	022	10/23/2024	Chemtech -SO
DIEDI 16				Cool 4 deg C	USEP01	Q22	10/23/2024	Chemtech -SO
14304-10	MCCUR6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q22	10/23/2024	Chemtech -SO
P4584-17	MCC0R6D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q22	10/23/2024	Chamtach _ CO
P4584-18	MCC0R6S	Solid	Percent Solids	Cool 4 deg C	USEP01	Q22	10/23/2024	Chemtech -SO
P4584-19	MCC0R8	Solid	Percent Solids	Cool 4 deg C	USEP01	022	10/23/2024	Chemtech -SO

46 12130 [2130 Raw Sample Relinquished by: Date/Time (0)) 0124 Raw Sample Received by: Page 1 of 1

auc ,

Date/Time 18/38 (24 121.00 Raw Sample Received by: -20 W. C. I Raw Sample Relinquished by: 2.M

JARKEN M