SDG	COVER	PAGE
000		LIIOD

Lab Name: Allianc	e Technical Group, LLC	Contrac	t: <u>68HERH20D</u>	0011	
Lab Code: ACE	Case No.: 51772	MA No.:	3225.1,3226	.1	SDG No.: MYDAT3
SOW No. : SFAM01.	1				
EPA Sample No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
mydat3	P4310-01	Х	Χ		
MYDAT4	P4310-02	Х	X		
MYDAT5	P4310-03	Х	X		
MYDAT5D	P4310-04	Х	Х		
MYDAT5S	P4310-05	Х	Х		
MYDAT6	P4310-06	Х	Х		
MYDAT7	P4310-07	Х	Х		
MYDAT8	P4310-08	Х	Х		
MYDAT9	P4310-09	Х	Х		
MYDAW0	P4310-10	Х	Х		
MYDAW1	P4310-11	Х	Х		
MYDAW2	P4310-12	Х	Х		
mydaw3	P4310-13	Х	Х		
MYDAW4	P4310-14	Х	Х		
MYDAW5	P4310-15	Х	Х		
MYDAW6	P4310-16	Х	Х		
MYDAW7	P4310-17	Х	Х		
MYDAW8	P4310-18	Х	Х		
mydaw9	P4310-19	Х	Х		
MYDAX0	P4310-20	Х	Х		
MYDAX1	P4310-21	Х	Х		
MYDAX2	P4310-22	X	Χ		

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:

	No TCE							
BLL	No Temp							
1 Infact	Colory Seal						CIEM JA	LAB
1 21.4.	The Comt	10.4.14	R	1600		brhan WIESTON	Don th	SHIP TO
6		939) ne	-	Relinquished by (Signature and Organization)	Relinquished 1	Items/Reason
n Upon Receipt	Sample Condition Upon Receipt) Date/Time	Boconized by (Signature and Organization)	-				
						ES 11+Metals	AES 11=ICP-AI	Analysis Key: ICP-AES 11=ICP-AES 11+Metals
	Samples Transferred From Chain of Cuswuy m	Samples Transfer	Sample(s) to be used for Lab QC: 90299-E-0003-03 reg 57200 Provinci AZ Provinc	sb,Se,Tl,V,Zn ICP-MS 11+ Met	Mn,Na,Ni,Pb,S	90299-E-0003-03 Co,Cr,Cu,Fe,K,Mg,I	s,Ba,Be,Ca,Cd, TI, V, Zn	Sample(s) to be us 11+Metals:Ag,Al,A Cu, Ni, Pb, Sb, Se
Sintada #	e Complete? N	Shipment for Case Complete? N		Special Instructions: ICP-AES				
		-			Grab	Soil/ REAC	MYDAT6	90299-E-0006-01
S	06/19/2024 14:38	90299-E-0006	9-5234 (None) (1)	ICD AES 11(21)	Grap	Soil/ REAC	MYDAT5	90299-E-0005-03
م ر م	06/19/2024 14:40	90299-E-0005	9-5233 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAT4	90299-E-0002-01
٢	06/19/2024 14:36	90299-E-0002	9-5232 (None) (1)	ICE AES 11/21)	Grap	Soil/ REAC	MYDAT3	90299-A-0004-01
	06/19/2024 10:45		9-5231 (None) (1)	100-AES 11(21)	Grap	Soil/ REAC	MYDAT2	90299-A-0010-01
	06/19/2024 10:40		9-5230 (None) (1)	ICD AES 11(21)	Grab	Soil/ REAC	MYDAT1	90299-A-0008-01
	06/19/2024 10:42		9-5229 (None) (1)		Grap	Soil/ REAC	MYDATO	90299-A-0007-01
	06/19/2024 10:37	_	9-5228 (None) (1)	ICP AES 11(21)	Grab	Soil/ REAC	MYDAS9	90299-A-0001-01
	06/19/2024 10:48	_	9-5227 (None) (1)		Grab	Soil/ REAC	MYDAS8	90299-C-0004-01
	06/19/2024 10:08	90299-C-0004	9-5226 (None) (1)	ICE AES 11(21)	Grap	Soil/ REAC	MYDAS7	90299-E-0009-01
	06/19/2024 14:30	90299-E-0009	9-5225 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAS6	90299-A-0009-01
	06/19/2024 10:54	90299-A-0009	9-5224 (None) (1)	ICP-AES 11(21)	Grap	Soil/ REAC	MYDAS5	90299-C-0005-01
	06/19/2024 10:25	90299-C-0005	9-5223 (None) (1)	ICP_AES-11(21)	Giab	SOIV REAL	MYDAS4	90299-C-0003-01
	06/19/2024 10:29	-	9-5222 (None) (1)	ICP-AES 11(21)	Grah	SOIL REAC	MYDAS3	90299-C-0001-01
	06/19/2024 10:22	90299-C-0001	9-5221 (None) (1)	· ICP-AES 11(21)	Giap	SOIV REAC	MYDAS2	90299-C-0009-01
	06/19/2024 10:14	90299-C-0009	9-5220 (None) (1)	ICP-AFS 11(21)	Grad	Soll REAC	MYDAS1	90299-C-0007-01
	06/19/2024 10:12		9-5219 (None) (1)	ICP_AES 11/21)	Grap	Soil/ REAC	MYDASO	90299-C-0010-01
	06/19/2024 10:16	90299-C-0010 0	9-5218 (None) (1)	ICP-AES 11(21)	Ciab		MYDARS	90299-C-0002-01
	06/19/2024 10:19	+	9-5217 (None) (1)	ICP-AES 11(21)	Grah		MYDARO	90299-A-0003-01
	00/15/2027 11.01	+	9-5216 (None) (1)	ICP-AES 11(21)	Grab	CALL DEAC	Callpic NC.	
Only	Date/Time	+		Analysis/Turnatound (Days)	Coll.	Matrix/Sampler	CLP CLP	Sample Identifier
For Lab Use	Collection	Location	Tan/Preservative/Bottles					
			2-077	Cooler #: 51772-077			7 5575	AirbillNo: 7790 0057 5575
Lab Phone: 908-728-3151	Lab Phone:		72	Case #: 51772			X I	CarrierName: FedEx
mmad Ahmed	I ah Contact: Mohammad Ahmed						2024	D-1-05:0004: 10/3/
al Group LLC	Lab: Alliance Technical Group LLC	_		CHAIN OF CUS (OUT NECOND			(LAB COPY)	USEPA CLP COC (LAB COPY)

•

68HERH20D0011

CHAIN OF CUSTODY RECORD

No: 9-062024-122449-0077 SDG # MYDAT3

Page 2 of 3

ര
õ
Т
Ш
꼬
T.
な
0
σ
Ō
Ó
_
_

CHAIN OF CUSTODY RECORD

Page 3 of 3

DateShipped: 10/3/2024

CarrierName: FedEx

USEPA CLP COC (LAB COPY)

Case #: 51772 Cooler #: 51772-077

> SDG # MYDAT3 No: 9-062024-122449-0077 Lab: Alliance Technical Group LLC

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-728-3151

Sample Identifier	CLP	Matrix/Sampler	Coll.	Analysis/Turnaround	Tag/Preservative/Bottles	Location	Collection Date/Time	Por Lap Use Only
-	Sample No.		Method	(Days)	0-5035 (None) (1)	90299-E-0004	06/19/2024 14:46	7
+	MYDAT7	Soil/ REAC	Grab	ICP-AES 11(21)	9-0200 (INDIA) (1)		06/10/2024 14-10	
90299-6-0004-01	MYDATO	Shill REAC	Grab	ICP-AES 11(21)	9-5236 (None) (1)	6000-0-66706	+	2
90299-D-0005-01	MITUAIO) (ICP_AES 11(21)	9-5237 (None) (1)	90299-D-0009	-	7
90299-D-0009-01	MYDAT9	Soil/ REAC	Grab		9-5238 (None) (1)	90299-D-0002	06/19/2024 14:14	?
90299-D-0002-01	MYDAWO	Soil/ REAC	Grab		0-5239 (None) (1)	90299-D-0004	06/19/2024 14:27	9
90299-D-0004-01	MYDAW1	Soil/ REAC	Grab	ICP-AES TT(ZT)	0 5040 (None) (1)	90299-D-0010		6
	MYNAWS	Soil/ REAC	Grab	ICP-AES 11(21)			_	1
10-01-00-01		CONTREAC	Grab	ICP-AES 11(21)	9-5241 (None) (1)	1000-1-66706	00101202111120	
90299-E-0001-01	MIYUAVVS		Grah	ICP-AES 11(21)	9-5242 (None) (1)	90299-D-0003	06/19/2024 14:23	
90299-D-0003-01	MYDAV4			ICP_AES 11/21)	9-5243 (None) (1)	90299-E-0008	06/19/2024 14:23	17
90299-E-0008-01	MYDAW5	Soll REAC	Giap		9-5244 (None) (1)	90299-D-0008	06/19/2024 14:21	2
90299-D-0008-01	MYDAW6	Soil/ REAC	Grab		0-5045 (None) (1)	90299-D-0001	06/19/2024 14:19	150
an299-D-0001-01	MYDAW7	Soil/ REAC	Grab			00200-E-0003	06/19/2024 14:18	6
00200	MYDAW8	Soil/ REAC	Grab	ICP-AES 11(21)	9-0240 (NUTE) (1)	00200 E-0010	06/19/2024 14:18	3
00200 E_0010_01	MYDAW9	Soil/ REAC	Grab	ICP-AES 11(21)			06/19/2024 14:17	5
	MYDAXO	Soil/ REAC	Grab	ICP-AES 11(21)	9-5248 (None) (1)		06/10/2024 10-11	9
90299-0-0000 01		Shill REAC	Grab	ICP-AES 11(21)	9-5249 (None) (1)	0000-0-66706	001101001 44.20	5
90299-C-0000-01	MYDAX2	Soil/ REAC	Grab	ICP-AES 11(21)	9-5250 (None) (1)	90299-E-0007	00/10/2027 17:02	2
90299-E-0007-01								
						Shipment for Case Complete? N	se Complete? N	
			Re Ca Cd.Co	CD AES 11 + Matale: An Al As Ba Ba Ca Cd Co.Cr.Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, TI, V, Zn ICP-MS 11+	Sb,Se,TI,V,Zn ICP-MS 11+	Samples Transfe	Samples Transferred From Chain of Custody #	f Custody #

		7	Boostived by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
Items/Reason	Relinguished by (Signature and Organization)	Date/ I me	Vereiver of (oblighter of a second of the se	010	
		10/2040			· · · + · · · · ·
SHIPTO		1010110		10-4-24	1:0-1 (1.1
N N	A Win KONDER WESTON	1600			
LAD					ristedy Seal Tate
					No Two But
					111

FORM DC-1 SAMPLE LOG-IN SHEET

ance Technical Grou	o, LLC	\bigcap)		Page_1_of_	<u>1</u>	
rint Name)	gard	va K	ere		Log-in Date	10/4/20	24
ignature)	$\langle \subset$						
51772	SDG	No. MYDA	AT3		MA No. 32		
					Correspondir	na	
Present, Intact			Aqueous				Remarks: Condition
<u>n/a</u>		EPA Sample #	Water Sample pH	Sam		Assigned Lab #	of Sample Shipment, etc.
Present	1	MYDAT3	N/A	9-5231		P4310-01	Intact
	2	MYDAT4	N/A	9-5232		P4310-02	Intact
Dresent	3	MYDAT5	N/A	9-5233		P4310-03	Intact
Present	4	MYDAT5D	N/A	9-5233		P4310-04	Intact
779000575575	5	MYDAT5S	N/A	9-5233		P4310-05	Intact
1	6	MYDAT6	N/A	9-5234		P4310-06	Intact
	- 7	MYDAT7	N/A	9-5235		P4310-07	Intact
Absent	8	MYDAT8	N/A	9-5236		P4310-08	Intact
	9	MYDAT9	N/A	9-5237		P4310-09	Intact
21.4 Degree C	10	MYDAW0	N/A	9-5238		P4310-10	Intact
	11	MYDAW1	N/A	9-5239		P4310-11	Intact
Intact	12	MYDAW2	N/A	9-5240		P4310-12	Intact
	13	MYDAW3	N/A	9-5241		P4310-13	Intact
	14	MYDAW4	N/A	9-5242		P4310-14	intact
Absent	15	MYDAW5	N/A	9-5243		P4310-15	Intact
Listed on Traffic	16	MYDAW6	N/A	9-5244		P4310-16	intact
Report	17	MYDAW7	N/A	9-5245		P4310-17	Intact
Yes	18	MYDAW8	N/A	9-5246		P4310-18	Intact
	19	MYDAW9	N/A	9-5247		P4310-19	Intact
	20	MYDAX0	N/A	9-5248		P4310-20	Intact
	21	MYDAX1	N/A	9-5249		P4310-21	Intact
10/04/2024	22	MYDAX2	N/A	9-5250		P4310-22	Intact
	23	N/A	N/A	N/A		N/A	N/A
	rint Name ignature) 51772 Present, Intact n/a Present Present Present 21.4 Degree C Intact Absent Listed on Traffic Report	ignature) SDG 51772 SDG Present, Intact 1 n/a 1 Present 1 Present 1 2 3 Present 4 779000575575 5 1 7 Absent 8 9 10 11 12 Intact 13 IAbsent 15 Listed on Traffic 16 Report 17 Yes 18 19 20 21 20 21 20 21 22	rint Name ignature) 51772 SDG No. MYD/ Present, Intact n/a Present Present Present Present Present 1 MYDAT3 2 MYDAT4 3 MYDAT3 2 MYDAT4 3 MYDAT5 4 MYDAT5 5 MYDAT5 5 MYDAT5 5 MYDAT5 6 MYDAT6 7 MYDAT7 Absent 1 MYDAT8 9 MYDAT9 10 MYDAW0 11 MYDAW1 12 MYDAW2 13 MYDAW3 14 MYDAW3 15 MYDAW3 16 MYDAW3 17 MYDAW3 17 MYDAW3 18 MYDAW3 19 MYDAW3 19 MYDAW3 10 MYD	rint Name ignature) 51772 SDG No. MYDAT3 Present, Intact n/a Present Present Present Present Present 1 MYDAT3 N/A 2 MYDAT3 N/A 2 MYDAT3 N/A 2 MYDAT4 1 MYDAT3 N/A 2 MYDAT5 N/A 3 MYDAT5 N/A 4 MYDAT5 N/A 5 MYDAT55 N/A 6 MYDAT5 N/A 6 MYDAT5 N/A 6 MYDAT5 N/A 6 MYDAT5 N/A 6 MYDAT5 N/A 7 MYDAT5 N/A 8 MYDAT5 N/A 6 MYDAT5 N/A 1 MYDAT7 N/A 8 MYDAT8 N/A 10 MYDAW0 N/A 11 MYDAW0 N/A 11 MYDAW1 N/A 12 MYDAW2 N/A 13 MYDAW3 N/A 14 MYDAW3 N/A 15 MYDAW3 N/A 15 MYDAW3 N/A 16 MYDAW3 N/A 15 MYDAW3 N/A 16 MYDAW3 N/A 17 MYDAW3 N/A 16 MYDAW3 N/A 17 MYDAW3 N/A 16 MYDAW3 N/A 17 MYDAW3 N/A 17 MYDAW3 N/A 18 MYDAW3 N/A 19 MYDAW3 N/A 10 MYDAW3 N/A 11 MYDAW3 N/A 12 MYDAW3 N/A 13 MYDAW3 N/A 14 MYDAW3 N/A 15 MYDAW3 N/A 16 MYDAW3 N/A 19 MYDAW3 N/A 20 MYDAX0 N/A 21 MYDAX1 N/A 22 MYDAX2 N/A	Int Name SDG No. MYDAT3 51772 SDG No. MYDAT3 Present, Intact Aqueous, Water Sample n/a EPA Sample Present 1 MYDAT3 Present 1 MYDAT3 Present 1 MYDAT3 Present 2 MYDAT4 Present 3 MYDAT5 Absent 9 9-5233 21.4 Degree C 1 Intact 12 MYDAT9 Intact 13 MYDAW3 Isted on Traffic Report 12 MYDAW3 Yes 16 MYDAW5 N/A 9 MYDAW3 N/A 9-5243 10 MYDAW3 N/A 9-5243 11 14 MYDAW3 N/A 9 MYDAW3 N/A 9-5243 10 MYDAW3 N/A 9-5243 11 MYDAW3 N/A 9-5243 11	Fint Name Log-in Date ignature) SDG No. MYDAT3 MA No. 32 51772 SDG No. MYDAT3 MA No. 32 present, Intact Aqueous Water Sample Sample present 1 MYDAT3 N/A 9-5231 2 Present 1 MYDAT3 N/A 9-5232 3 779000575575 3 MYDAT5 N/A 9-5233 3 779000575575 4 MYDAT5 N/A 9-5233 3 6 MYDAT5 N/A 9-5233 3 6 779000575575 1 N/A 9-5235 3 6 1 MYDAT5 N/A 9-5236 9 9 9-5237 10 Absent 10 MYDAW0 N/A 9-5237 10 10 9-5239 11 11 MYDAW0 N/A 9-5239 12 MYDAW3 N/A 9-5240 13	Int Name Log-in Date 10/4/20 ignature) SI772 SDG No. MYDAT3 MA No. 3225.1,3226.1 Present, Intact Aqueous Aqueous Corresponding n/a EPA Sample Sample Assigned Present 1 MYDAT3 N/A 9-5231 P4310-01 2 MYDAT3 N/A 9-5232 P4310-02 3 MYDAT5 N/A 9-5233 P4310-02 779000575575 1 MYDAT5 N/A 9-5233 P4310-05 7 MYDAT6 N/A 9-5233 P4310-06 7 MYDAT6 N/A 9-5235 P4310-07 Absent 8 MYDAT8 N/A 9-5235 P4310-01 11 MYDAWD N/A 9-5236 P4310-01 11 MYDAWD N/A 9-5237 P4310-01 11 MYDAWD N/A 9-5238 P4310-11 11 MYDAWD N/A 9-5240

* Contact SMO and attach record of resolution

Reviewed By	CK-	Logbook No.	N/A	
Date	1014/24	Logbook Page No.	N/A	

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

Alliance Technical	l Group, LLC	
ACE		
68HERH20D0011		
51772	SDG NO.	MYDAT3
3225.1,3226.1	SOW NO.	SFAM01.1
	ACE 68HERH20D0011 51772	68HERH20D0011 51772 SDG NO.

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.4)

		PAGE FROM	NOs: TO	CH LAB	<u>ECK</u> REGION
1.	SDG Cover Page	1	1	✓	
2.	Traffic Report/Chain of Custody Record(s)	2	3	✓	
з.	Sample Log-In Sheet (DC-1)	4	4	~	
4.	CSF Inventory Sheet (DC-2)	5	7	✓	
5.	SDG Narrative	8	17	✓	
6.	Communication Logs	NA	NA	~	
7.	Percent Solids Log	18	20	✓	
Ana	lysis Forms and Data (ICP-AES)				
8.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	21	40	√	
9.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	41	721	✓	
Oth	er Data				
10.	Standard and Reagent Preparation Logs	722	876	✓	
11.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	877	878	✓	
12.	Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	879	896	_	
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	✓	
Ana	lysis Forms and Data (ICP-MS)				
17.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	897	916	✓	
18.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	917	2404		
Oth	er Data				
19.	Standard and Reagent Preparation Logs	2405	2545	✓	
20.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	2546	2547	✓	
21.	Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	2548	2566	✓	·
22.	Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

23. Extraction Logs for TCLF and SPLP TO LAB REGION 24. Raw GPC Data NA NA NA NA NA 25. Raw Florisil Data NA NA NA V		PAGE N	10s:	CH	IECK
24. Raw GPC Data NA NA YA 25. Raw Florisil Data NA NA YA 26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA YA 27. Instrument raw data by instrument in analysis order NA NA YA YA 28. Standard and Reagent Preparation logs NA NA Y YA 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA Y 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA Y 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA Y 32. Extraction Logs for TCLP and SPLE NA NA Y 33. Raw GPC Data NA NA Y 34. Raw Florisil Data NA NA Y 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA Y 36. Instrument raw data by instrument in analysi		FROM	TO	LAB	REGION
25. Raw Florisil Data NA NA NA Analysis Forms and Data (Mercury) 26. Sample analysis, laboratory QC as applicable NA NA ✓ 27. Instrument raw data by instrument in analysis order NA NA ✓ 27. Instrument raw data by instrument in analysis order NA NA ✓ 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 (FE)/Proficiency Testing (FT) Sample Instructions NA NA ✓ 32. Extraction Logs for TCLP and SPLP NA NA ✓ 33. Raw GPC Data NA NA ✓ 34. Raw Florisil Data NA ✓ ✓ 35. Sample Analysis, Laboratory QC as applicable NA NA ✓ 36. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks ✓ ✓ ✓ 37. Standard and Reagent Preparation Logs NA ✓ ✓ ✓	23. Extraction Logs for TCLP and SPLP	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 ✓ ✓ 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-TN) for each sample or sample analysis, laboratory QC as applicable NA NA ✓ 36. Instrument raw data by instrument in analysis order NA NA ✓ ✓ 36. Joriginal Preparation Logs NA NA ✓ ✓ 37. Standard and Reagent Preparat	24. Raw GPC Data	NA	NA	_ ✓	
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA	25. Raw Florisil Data	NA	NA	✓	
or sample analysis, laboratory QC as applicable NA NA NA NA NA V 27. Instrument raw data by instrument in analysis order NA NA NA V 28. Standard and Reagent Preparation Logs NA NA V V 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA V 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA V 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA V 32. Extraction Logs for TCLP and SPLP NA NA V NA NA V 33. Raw GPC Data NA NA V NA NA V 34. Raw Florisil Data NA NA V NA NA V 35. Sample Analysis Data Forms (IA-OR, IB-OR, and I-IN) for each sample or sample analysis, laboratory QC as applicable NA NA V 36. Instrument raw data by instrument in analysis order NA NA V NA V 37. Standard and Reagent Preparation Logs NA NA V NA	Analysis Forms and Data (Mercury)				
27. Instrument raw data by instrument in analysis order NA 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 ✓ 29. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA ✓ 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA ✓ 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA ✓ 32. Extraction Logs for TCLP and SPLF 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 ✓ 37. Standard and Reagent Preparation Logs NA NA ✓ ✓ <tr< td=""><td></td><td>NA</td><td>NA</td><td>✓</td><td></td></tr<>		NA	NA	✓	
28. Standard and Reagent Preparation Logs NA NA NA 29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA NA 30. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA NA NA 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA NA NA 33. Raw GPC Data NA NA NA NA NA NA NA 34. Raw Florisil Data NA NA NA NA NA NA NA 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA NA NA 36. Instrument raw data by instrument in analysis order NA NA ✓ MA MA ✓ 37. Standard and Reagent Preparation Logs Sa NA NA ✓ ✓ ✓ 39. Original Analysis or Instrument Run forms or copies of Preparation and Cleanup Logbooks NA NA ✓ ✓ <td></td> <td>NA</td> <td>NA</td> <td>✓</td> <td>·</td>		NA	NA	✓	·
29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA<	Other Data				
Cleanup Logbooks NA NA NA 30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA NA 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA NA 33. Raw GPC Data NA NA NA NA NA NA 34. Raw Florisil Data NA NA NA NA NA NA Analysis Forms and Data (Cyanide) Sample Analysis, laboratory QC as applicable NA NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA NA NA 37. Standard and Reagent Preparation Logs NA NA NA NA NA 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA NA NA 39. Original Analysis or Instrument Run forms or copies of Analysis or Instructions NA NA V NA NA 31. Extraction Logs for TCLP and SPLP NA NA V NA	28. Standard and Reagent Preparation Logs	NA	NA	✓	
30. Original Analysis or Instrument Run forms or copies of Analysis or NA NA<		NA	NA	✓	
31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA NA 32. Extraction Logs for TCLP and SPLP NA NA NA NA 33. Raw GPC Data NA NA NA NA NA 34. Raw Florisil Data NA NA NA NA NA Analysis Forms and Data (Cyanide) NA NA NA NA NA 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA NA NA 37. Standard and Reagent Preparation Logs NA N	30. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA		
32. Extraction Logs for TCLP and SPLP NA NA NA 33. Raw GPC Data NA NA NA NA 34. Raw Florisil Data NA NA NA NA Analysis Forms and Data (Cyanide) NA NA NA NA 35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample or sample analysis, laboratory QC as applicable NA NA NA 36. Instrument raw data by instrument in analysis order NA NA NA ✓ Other Data 37. Standard and Reagent Preparation Logs NA NA ✓ ✓ 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 ✓ ✓ <td< td=""><td>31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample</td><td>NA</td><td>NA</td><td>✓</td><td>·</td></td<>	31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	·
34. Raw Florisil Data NA 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 NA ✓ 36. Instrument raw data by instrument in analysis order NA NA ✓		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 36. Instrument raw data by instrument in analysis order NA NA Other Data 37. Standard and Reagent Preparation Logs NA 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA 41. Extraction Logs for TCLP and SPLP NA 42. Raw GPC Data NA	33. Raw GPC Data	NA	NA	✓	
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 ✓	34. Raw Florisil Data	NA	NA	✓	
or sample analysis, laboratory QC as applicable 36. Instrument raw data by instrument in analysis order NA NA V Other Data 37. Standard and Reagent Preparation Logs NA NA V 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions 41. Extraction Logs for TCLP and SPLP 42. Raw GPC Data NA NA V	Analysis Forms and Data (Cyanide)				
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 ✓		NA	NA	✓	
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 ✓		NA	NA	✓	
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 ✓	Other Data				
Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions 41. Extraction Logs for TCLP and SPLP 42. Raw GPC Data		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 ✓		NA	NA	✓	
40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample NA NA ✓ 1. Extraction Logs for TCLP and SPLP NA NA ✓ 42. Raw GPC Data NA NA ✓	39. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA		
41. Extraction Logs for TCLP and SPLP NA NA ✓ 42. Raw GPC Data NA NA ✓	40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
		NA	NA		
43. Raw Florisil Data NA NA 🖌	42. Raw GPC Data	NA	NA	✓	
	43. Raw Florisil Data	NA	NA	✓	

				NOs:		IECK
			FROM	TO	LAB	REGION
Additional 44. EPA Shipp	ping/Receiving Documents					
Airbill	(No. of Shipments <u>1</u>)		2567	2567	✓	
Sample Ta	ags		NA	NA	✓	
Sample Lo	og-In Sheet (Lab)		2568	2570	~	-
45. Misc. Shi	pping/Receiving Records(list all individua	al records)	NA	NA	✓	
	Lab Sample Transfer Records and Tracking S e or list)	Sheets	2571	2574	✓	
	cords and related Communication Logs e or list)		NA	NA	✓	
						·
48. Comments:						
Completed by (CLP Lab)	1	Nimisha Pandya, Documen	nt Contro	l Officer	_	
Audited by: (EPA)	(Signature)	(Print Name & Title)			(Da	te)
	(Signature)	(Print Name & Title)			(Da	te)



SDG NARRATIVE

USEPA SDG # MYDAT3 CASE # 51772 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4310 MODIFIED ANALYSIS #3225.1, 3226.1

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 10/04/2024.

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.

Test requested for Metals CLP MS FULL = Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 21.4°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.

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 MYDAT3 For Antimony:

If C = 0.0072801 ppm
Vf = 100 ml
W = 1.08g
S = 0.969(96.9/100)
DF = 2
Concentration (mg/kg) = 0.0072801 x
$$\frac{100}{1.08 \times 0.969} \times 2$$

= 1.391296 mg/kg

= 1.4 mg/kg (Reported Result with Signification)

Calculation for ICP-MS 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 value in ppb (The average of all replicate integrations)
 Vf = Final digestion 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 MYDAT3 For Antimony:

If C = 1.38 ppb Vf = 500 ml W = 1.08 g S = 0.969(96.9/100) DF = 1 Concentration (mg/kg) = $1.38 \times \frac{500}{1.08 \times 0.969} \times 1 / 1000$ = 0.6593 mg/kg = 0.66 mg/kg (Reported Result with Signification)

H. QA/QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Antimony, Arsenic, Lead, Selenium, Zinc. Spike sample(MYDAT5SRE) did meet requirements except for Lead. Spike sample(MYDAT5S) did meet requirements except for Arsenic, Lead. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc

Internal Standard Association for ICP-MS analysis.



Cobalt	45Sc
Copper	45Sc
Lead	209Bi
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

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

	MA: 3225.1	Title: ICP-MS with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
Method Source: SFAM01.1	Method: ICP-MS	
Matrix: Soil/Sediment		
Summary of Modification		
with additional modified LCS and Unless specifically modified by th	Matrix Spikes and ar is modification, all ar	mples by EPA Draft Method 3050C (see below) nalyze for the scheduled target analytes by ICP-MS. nalyses, Quality Control (QC), and reporting ent EPA agreement remain unchanged and in full
I. Analyte Modifications		Not applicable
II. Calibration and QC Requirem	ents	Not applicable
Recovery limits do NOT aPrepare a Matrix Spike sp	dditional Laboratory pply to this LCS and r piked at three times t	Control Sample (LCS) spiked at the CRQL. Percent no corrective actions are required. the levels specified in the SOW.
for this Modified AnalysisPost-Digestion Spike requPost-Digestion Spike corr	s (i.e., 15x the levels suirements apply to the	ne 5x Matrix Spike only.
Post-Digestion Spike requ	s (i.e., 15x the levels s uirements apply to th ective actions apply t	specified in the SOW). ne 5x Matrix Spike only.

IV. Special Reporting Requirements

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 1.0 and a final volume of 500 mL, per the SOW.
- Report the additional LCS as "LCSD" in the raw data and in the EDD with QCType "Laboratory_Control_Sample_Duplicate".
- Report the additional Matrix Spike with an "SRE" suffix in the raw data and EDD.
- Report any Post-Digestion Spike of the additional 5x Matrix Spike with an "ARE" suffix.

Date: 09/11/2024	MA: 3226.1	Title: ICP-AES with Modified Preparation Method and Analysis of Soils with Additional
		Laboratory QC
Method Source: SFAM01.1	Method: ICP-AES	
Matrix: Soil/Sediment		
Summary of Modification		
with additional modified LCS a AES. Unless specifically modified	nd Matrix Spikes and a ed by this modificatior	amples by EPA Draft Method 3050C (see below) analyze for the scheduled target analytes by ICP- n, all analyses, Quality Control (QC), and reporting rent EPA agreement remain unchanged and in full
I. Analyte Modifications		Not applicable 🔀
II. Calibration and QC Require	ements	Not applicable
 for Draft Method 3050 Prepare and analyze and Recovery limits do NO Prepare a Matrix Spike Post-Digestion Spike recovery 	C. n additional Laborator T apply to this LCS and spiked at two times t equirements apply to t	•
Post-Digestion Spike co	· · · ·	
III. Preparation and Method N The Laboratory shall:	lodifications	Not applicable
 Mix sample the Add 10 mL 1:1 minutes. Add 5 mL conc digestion complete 	oroughly and transfer HNO ₃ and 5 mL 1:1 H centrated HNO ₃ and re	t Method 3050C as follows: 1.00 – 1.50 g to a digestion vessel. Cl, heat the sample at 95°C (±3°C) and reflux 10 -15 flux for 30 minutes at 95°C (±3°C), repeat until

• Method Blanks, both LCS, and all instrument QC are to be analyzed undiluted.

IV. Special Reporting Requirements

The Laboratory shall:

- Ensure the SDG Narrative is updated as stated in the SOW, including any technical and administrative problems encountered and the resolution or corrective actions taken. These problems may include interference problems encountered during analysis, dilutions, re-analyses and/or re-preparations performed, and problems with the analysis of samples. Also include a discussion of any SOW Modified Analyses, including a copy of the approved modification form with the SDG Narrative.
- Initial analysis data are reported with a dilution factor of 2.0 and a final volume of 100 mL, per the SOW.
- Report the additional LCS as "LCSD" in the raw data and in the EDD with QCType "Laboratory_Control_Sample_Duplicate".
- Ensure that up-to-date Interelement Correction Factors (IECs) are provided with the data package.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	K2	Calc-in-fit
	As 189.042 {479}	\boxtimes	1	Fe	-0.000064	0.000000	No
	TI 190.856 {477}	X	5	Мо	-0.002450	0.000000	No
				Co	0.002248	0.000000	No
			····	Ti	-0.000500	0.000000	No
				Mn	0.000370	0.000000	No
				V	-0.012340	0.000000	No
	Pb 220.353 {453}	M	6	Мо	-0.001480	0.000000	No
				Al	-0.000075	0.000000	No
				Cu	0.001400	0.000000	No
				Fe	0.000030	0.000000	No
				Mn	0.000340	0.000000	No
				Ni	0.000630	0.000000	No
	Se 196.090 {472}		3	Fe	-0.000308	0.000000	No
			1	Mn	0.000470	0.000000	No
			•	Co	-0.000630	0.000000	No
	Sb 206.833 {463}	\boxtimes	4	Cr	0.010700	0.000000	No
	00 200:000 [100]	<u> </u>		V	-0.001168	0.000000	No
				Mo	-0.002850	0.000000	No
				Ni	-0.002850		
	AI 396.152 { 85}		4	å		0.000000	No
	Ba 493.409 { 68}		Nono	Мо	0.037230	0.000000	No
	Be 234.861 {144}	H	None	Ma	0.000000	0.000000	. NI-
	De 234.001 {144}	X	3	Mo	-0.000320	0.000000	No
		******		Fe	0.000010	0.000000	No
-	CH 214 420 (457)	57	4	Mn	-0.000047	0.000000	No
****	Cd 214.438 {457}	<u> </u>	1	Fe	0.000040	0.000000	No
	Ca 373.690 { 90}		None				
****	Cr 267.716 {126}	<u> </u>	1	Mn	0.000160	0.000000	No
	Co 228.616 {448}		2	Ti	0.001840	0.000000	No
į				Мо	-0.001230	0.000000	No
	Cu 324.754 {104}		4	Co	-0.000796	0.000000	No
ļ				Fe	-0.000100	0.000000	No
ļ				Mn	0.000345	0.000000	No
				Ni	0.000895	0.000000	No
	Fe 259.837 {130}		None				
ļ	Vn 257.610 {131}		1	Ni	0.000897	0.000000	No
*****	Vg 279.079 {121}		None				
	Ni 231.604 {446}		None				
1	Ag 328.068 {103}	\boxtimes	3	Fe	-0.000100	0.000000	No
1				Mn	0.000146	0.000000	No
				V	-0.000889	0.000000	No
1	Na 818.326 { 41}		None			1	<u> </u>
1	/ 292.402 {115}	\boxtimes	2	Мо	-0.008480	0.000000	No
Ī				Cr	-0.002220	0.000000	No
Z	n 206.200 {464}		None				*·····
Z	n 213.856 {158}		1 1	Ni	0.007280	0.000000	No
K	(769.896 { 44 }		None				······
	177.495 {490}		2	Ni	0.001640	0.000000	No
1	· · · · · · · · · · · · · · · · · · ·	¥		Cu	-0.012530	0.000000	No
İВ	249.678 {135}		3	Co	0.002880	0.000000	No
Ť		KN		V	-0.002000	0.000000	No
<u>†</u>		İ	<u> </u>	Fe	-0.001360	0.000000	No
Ň	lo 202.030 {467}		None	10	-0.001000	0.00000	110
					+		
	182.034 {485}		2	Mo	-0.008000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Si 251.611 {134}		2	Мо	0.010520	0.000000	No
				Ti	0.005650	0.000000	No
	Sn 189.989 {478}		None		<u> </u>		
	Ti 336.121 {100}		1	Ni	-0.001000	0.000000	No
	Li 670.784 { 50}		None		1	1	110
	Y 224.306 {450}*		None				
I	Y 360.073 { 94}*		None				÷
Î	Y 371.030 { 91}*		None				
Ī	Y 224.306 {150}*		None				<u> </u>
	In 230.606 {446}*		None				
	Sr 407.771 { 83}		None				[[

~



PERCENT SOLID

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

OVENTEMP IN Celsius (°C): 107 Time IN: 12:25 In Date: 10/09/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1

QC:LB132839

OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:33 Out Date: 10/10/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

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
P4310-01	MYDAT3	1	1.14	8.58	9.72	9.45	96.9	
P4310-02	MYDAT4	2	1.15	8.37	9.52	9.38	98.3	
P4310-03	MYDAT5	3	1.18	8.50	9.68	9.51	98.0	
P4310-04	MYDAT5D	4	1.18	8.50	9.68	9.51	98.0	
P4310-05	MYDAT5S	5	1.18	8.50	9.68	9.51	98.0	
P4310-06	MYDAT6	6	1.17	8.55	9.72	9.55	98.0	
P4310-07	MYDAT7	7	1.13	8.80	9.93	9.68	97.2	
P4310-08	MYDAT8	8	1.18	8.60	9.78	9.61	98.0	
P4310-09	MYDAT9	9	1.18	8.62	9.8	9.7	98.8	
P4310-10	MYDAW0	10	1.18	8.47	9.65	9.53	98.6	
P4310-11	MYDAW1	11	1.18	8.70	9.88	9.72	98.2	
P4310-12	MYDAW2	12	1.17	8.59	9.76	9.57	97.8	
P4310-13	MYDAW3	13	1.16	8.61	9.77	9.57	97.7	
P4310-14	MYDAW4	14	1.18	8.55	9.73	9.6	98.5	
P4310-15	MYDAW5	15	1.16	8.40	9.56	9.37	97.7	
P4310-16	MYDAW6	16	1.17	8.49	9.66	9.53	98.5	
P4310-17	MYDAW7	17	1.18	8.63	9.81	9.71	98.8	
P4310-18	MYDAW8	18	1.14	8.40	9.54	9.34	97.6	
P4310-19	MYDAW9	19	1.18	8.45	9.63	9.5	98.5	
P4310-20	MYDAX0	20	1.15	8.73	9.88	9.77	98.7	
P4310-21	MYDAX1	21	1.18	8.44	9.62	9.3	96.2	
P4310-22	MYDAX2	22	1.18	8.75	9.93	9.78	98.3	

% Solid = (C-A) * 100 (B-A)

		-	WORKLIST(Hardcopy Internal Chain)	lcopy Internal Ch		PERCEN CN		
WorkList Name :	%1-p4310	WorkList ID :	: 184271	Department :	Wet-Chemistry	Da	 Ø	10-09-2024 10:13:01
Sample	Customer Sample	Matrix .	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4310-01	MYDAT3	Solid	Percent Solids	Cool 4 door 0				
P4310-02	MYDAT4		Percent Solids		USEPUT	A11	06/19/2024	Chemtech -SO
P4310-03	MYDAT5		Dercont Colido		USEP01	A11	06/19/2024	Chemtech -SO
P4310-04	MYDAT5D		Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-05	MYDAT5S		Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-06	MYDAT6		Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-07	MYDAT7			Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-08	MYDAT8			Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-09	MYDAT9			Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
D4310_10			Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
010101010			Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
	MYDAW1	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-12	MYDAW2	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chamtach SO
P4310-13	MYDAW3	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4310-14	MYDAW4	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech_20
P4310-15	MYDAW5	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chamtach - 20
P4310-16	MYDAW6	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech SO
P4310-17	MYDAW7	Solid P	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -50
P4310-18	MYDAW8	Solid P	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech SO
P4310-19	MYDAW9	Solid P	Percent Solids	Cool 4 deg C	USEP01	A11		
P4310-20	MYDAX0	Solid	Percent Solids	Cool 4 deg C	USEPO1	A11		Cnemtech -SO
P4310-21	MYDAX1	Solid P	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
Date/Time ð (ð	10109(24 121, UC)					41 1 1 1		2
Raw Sample Receiv	Raw Sample Received by: "AO /1.00 /	1			Date/Time	hriboin	e)	04.181
Raw Sample Relinquished by:	quished by:	1			Raw Sample Received by:	sceived by:	Z	SH
		L.	Page 1 of 2	of 2	Raw Sample Relinquished by:	linquished by:	& leve	0

20200 C

PESKEL AN	Date: 10-09-2024 10:13:01	Raw Sample Storage Collect Date Method Location
WORKLIST(Hardcopy Internal Chain)	Department : Wet-Chemistry	Preservative Customer
WORKLIST(Hard	WorkList ID: 184271	Matrix Test
	%1-p4310	Customer Sample
	WorkList Name: %1-p4310	Sample

06/19/2024 Chemtech -SO

A11

USEP01

Cool 4 deg C

Percent Solids

Solid

MYDAX2

P4310-22

14 121.00	by: 7) welc/	hed by:
Date/Time <u>\0/09/A</u>	Raw Sample Received by:	Raw Sample Relinquished by:

12,130 Un C あ R Raw Sample Relinquished by: Date/Time 10/09/24 Raw Sample Received by:

Page 2 of 2