SDG	COVER	PAGE
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Lab Name: A	Alliance	Technical Group,	LLC Contra	ct: 68HERH20	D0011		
Lab Code: A	ACE	Case No.: 5177	9 MA No.	: 3225.1,322	6.1	SDG No.: MYCZ5	9
SOW No. : S	SFAM01.1						
EPA Sample I	No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	s Method Mercury	Cyanide	
MYCZ59		P5177-01	X	Х			
MYCZ60		P5177-02	X	Х			
MYCZ61		P5177-03	X	Х			
MYCZ62		P5177-04	X	Х			
MYCZ63		P5177-05	X	Х			
MYCZ64		P5177-06	X	Х			
MYCZ65		P5177-07	X	Х			
MYCZ66		P5177-08	X	Х			
MYCZ67		P5177-09	X	Х			
MYCZ68		P5177-10	X	Х			
MYD012		P5177-11	X	Х			
MYD013		P5177-12	X	Х			
MYD014		P5177-13	X	Х			
MYD015		P5177-14	X	Х			
MYD016		P5177-15	X	Х			
MYD017		P5177-16	X	Х			
MYD018		P5177-17	X	Х			
MYD019		P5177-18	X	Х			
MYD020		P5177-19	X	Х			
MYD021		P5177-20	X	Х			
MYD021D		P5177-21	X	Х			
MYD021S		P5177-22	X	X			

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the SDG Narrative. All edits and manual integrations have been peer-reviewed. Release of the data contained in this hardcopy Complete SDG File and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:	 Name:	

Date:

Title:

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SDG # MYCZ59

USEPA CLP COC (LAB COPY) DateShipped: 12/5/2024 CarrierName: FedEx

CHAIN OF CUSTODY RECORD

Case #: 51779 Cooler #: 51779-115

No: 9-091724-124303-0115 Lab: Alliance Technical Group LLC Lab Contact: Max Bonner Lab Phone: 601-264-2854

ustody #	Samples Transferred From Chain of Custody #	Samples Transferr		ror مريد با سنديمية مريم، منه، بما يحريم، حيات، حيات و مريد، الله الله المالية المالية المالية المالية المالية Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn	e,n,iviy,iviri,iva	Zn	o, Sb, Se,Tl, V,	Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn
	Complete? N	Shipment for Case Complete? N	_	Special Instructions: Percent solids required for every sample, Use MAs 3225 and 3226. Lab should select samples for Lab QC.	ample, Use M/	required for every si	Dercent solids r	Special Instructions: F
ş	09/16/2024 16:22	007D-A-006	9-7164 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ68	007D-A-006-01
×	09/16/2024 16:15	O07D-B-S0003	9-7163 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ67	O07D-B-S0003-01
•	09/16/2024 16:14	007D-B-002	9-7162 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ66	O07D-B-002-02
•	09/16/2024 16:13	O07D-B-002	9-7161 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ65	O07D-B-002-01
	09/16/2024 16:10	007D-B-S0002	9-7160 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ64	O07D-B-S0002-01
	09/16/2024 16:08	O07D-B-S0001	9-7159 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ63	О07D-B-S0001-01
	09/16/2024 16:06	О07D-B-001	9-7158 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ62	O07D-B-001-01
-	09/16/2024 16:26	007C-A-003	9-7157 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ61	O07C-A-003-01
ž	09/16/2024 16:25	007C-A-S0001	9-7156 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ60	O07C-A-S0001-01
-	09/16/2024 16:23	O07C-A-002	9-7155 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYCZ59	00/C-A-002-01
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier

12-6-24	, S	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
(21.00) (2.4-24)	NIPTO	Celtona Cayeno			1010	
	Cha)	weban	(3:00	( Na)	12-6-24	
Costady Seal I No fer p But,						
No le But,						Rotady Seal I
No ten But,						
						No feno But

Analysis Key: ICP-AES 11 ICP-MS 11=CLP ICP-AES 11 Metals and ICP-MS 11 Metals

Page 5 of 5

68HERH20D0011

USEPA CLP COC (LAB COPY)

DateShipped: 12/5/2024 CarrierName: FedEx AirbillNo: 7704 9477 9297

CHAIN OF CUSTODY RECORD

Case #: 51779 Cooler #: 51779-122

SDG # MYCZ59

No: 9-091924-190010-0122

Lab: Alliance Technical Group LLC Lab Contact: Max Bonner Lab Phone: 601-264-2854

	e Complete? N	Shipment for Case Complete? N	enotial Instructions. Dement solids required for every sample, Use MAs 3225 and 3226. Lab should select samples for Lab QC.	Mae 2005 and 2006 I ah shoul	ample lies N	required for every s		
é.	09/20/2024 09:41	2115-B-0003	9-7465 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD021	2115-B-0003-01
2	09/20/2024 09:56	2115-C-0004	9-7464 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD020	2115-C-0004-01
	09/20/2024 09:44	2115-B-0001	9-7463 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD019	2115-B-0001-01
-	09/20/2024 09:46	2115-B-0004	9-7462 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD018	2115-B-0004-01
	09/20/2024 09:47	2115-B-0008	9-7461 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD017	2115-B-0008-01
3	09/20/2024 09:48	2115-C-0005	9-7460 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD016	2115-C-0005-01
	09/20/2024 09:49	2115-C-0005	9-7459 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD015	2115-C-0005-02
	09/20/2024 09:51	2115-C-0002	9-7458 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD014	2115-C-0002-01
-	09/20/2024 09:52	2115-C-0006	9-7457 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD013	2115-C-0006-01
3	09/20/2024 09:53	2115-C-0003	9-7456 (None) (1)	ICP-AES 11 ICP-MS 11(21)	Grab	Soil/ REAC	MYD012	2115-C-0003-01
For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier

No ten BLAK NO ICT					
Custedy Seal Infact					
ZR.G. 41 9.0.	12-6-24	R	12105/2024	Correlivius Calemic 12/05/2024	Shipto
Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	Date/Time	Relinquished by (Signature and Organization)	Items/Reason

Special Instructions: Percent solids required for every sample, Use MAs 3225 and 3226. Lab should select samples for Lab QC. ICP-AES 11+Metals:Ag,AI,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,TI,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Co, Cr, Cu, Ni, Pb, Sb, Se,TI, V, Zn

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES 11 ICP-MS 11=CLP ICP-AES 11 Metals and ICP-MS 11 Metals

Page 1 of 2

### FORM DC-1

## SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC	$\wedge$			Page_1_of	2	
Received By (Pr	int Name	ja	Reno			Log-in Date	e <b>12/6/2</b> 0	)24
Received By (Si		~	- Grue					
Case Number	51779	SDO	G No. MYCZ	259		MA No. 3	225.1,3226.1	
r						1		
Remarks:						Correspondi	na	
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	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MYCZ59	N/A	9-7155		P5177-01	Intact
Custody Records		2	MYCZ60	N/A	9-7156		P5177-02	Intact
4. Airbill	Present	3	MYCZ61	N/A	9-7157		P5177-03	Intact
	Present	4	MYCZ62	N/A	9-7158		P5177-04	Intact
5. Airbill No. and	770494783223	5	MYCZ63	N/A	9-7159		P5177-05	Intact
Shipping Container ID No.	1	6	MYCZ64	N/A	9-7160		P5177-06	Intact
6. Shipping Container		7	MYCZ65	N/A	9-7161		P5177-07	Intact
Temperature	Absent	8	MYCZ66	N/A	9-7162		P5177-08	Intact
Indicator Bottle		9	MYCZ67	N/A	9-7163		P5177-09	Intact
7. Shipping Container	8.3 Degree C	10	MYCZ68	N/A	9-7164		P5177-10	Intact
Temperature		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
9. Sample Tags Sample Tag	Absent	15	N/A	N/A	N/A		N/A	N/A
Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
10 0 1 0 1	Report	17	N/A	N/A	N/A		N/A	N/A
10. Does information on Traffic	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of Custody Records		19	N/A	N/A	N/A		N/A	N/A
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
<ol> <li>Date Received at Lab</li> </ol>	12/06/2024	22	N/A	N/A	N/A		N/A	N/A
		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	10:10							

# \* Contact SMO and attach record of resolution

Reviewed By	×	Logbook No.	N/A	
Date	12/624	Logbook Page No.	N/A	

#### FORM DC-1

#### SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC	$\cap$			Page 2 of	2	
Received By (Pr	rint Name)	ver.	Revie-			Log-in Dat	e <b>12/6/2</b>	024
Received By (Si			- y ue					
Case Number	51779	SDG	No. MYCZ	Z59		MA No. 3	225.1,3226.1	
(	1							
Remarks:						Correspondi	na	
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	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MYD012	N/A	9-7456		P5177-11	Intact
Custody Records	1	2	MYD013	N/A	9-7457		P5177-12	Intact
4. Airbill	Drecent	3	MYD014	N/A	9-7458		P5177-13	Intact
	Present	4	MYD015	N/A	9-7459		P5177-14	Intact
5. Airbill No. and	770494779297	5	MYD016	N/A	9-7460		P5177-15	Intact
Shipping Container ID No.	2	6	MYD017	N/A	9-7461		P5177-16	Intact
6. Shipping Container		7	MYD018	N/A	9-7462		P5177-17	Intact
Temperature	Absent	8	MYD019	N/A	9-7463		P5177-18	Intact
Indicator Bottle		9	MYD020	N/A	9-7464		P5177-19	Intact
7. Shipping Container	9.0 Degree C	10	MYD021	N/A	9-7465		P5177-20	Intact
Temperature		11	MYD021D	N/A	9-7465		P5177-21	Intact
8. Sample	Intact	12	MYD021S	N/A	9-7465		P5177-22	Intact
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 Sample Tag	Absent	15	N/A	N/A	N/A		N/A	N/A
Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
10. Does information	Report	17	N/A		N/A		N/A	N/A
on Traffic	Yes	18	N/A	-	N/A		N/A	N/A
Reports/Chain of Custody Records		19	N/A		N/A		N/A	N/A
and Sample Tags		20	N/A		N/A		N/A	N/A
agree ?		21	N/A		N/A			N/A
11. Date Received at Lab	12/06/2024	22	N/A		N/A			N/A
12.Time Received	10:10	23	N/A	N/A	N/A		N/A	N/A

# \* Contact SMO and attach record of resolution

Reviewed By	Ch.	Logbook No.	N/A	
Date	12/6/24	Logbook Page No.	N/A	

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

Alliance Technical	L Group, LLC	
ACE		
68HERH20D0011		
51779	SDG NO.	MYCZ59
3225.1,3226.1	SOW NO.	SFAM01.1
	ACE 68HERH20D0011 51779	68HERH20D0011 51779 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	<u>CH</u> LAB	<u>ECK</u> REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	3	✓	
3. Sample Log-In Sheet (DC-1)	4	5	✓	
4. CSF Inventory Sheet (DC-2)	6	8	✓	
5. SDG Narrative	9	18	✓	
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	19	21	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	22	41		
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	42	1324	✓	
Other Data				
10. Standard and Reagent Preparation Logs	1325	1462		
11. Original Preparation and Cleanup forms or copies of Preparation and	1463	1464	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or	1465	1506	✓	
Instrument Logbooks 13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	
14. Extraction Logs for TCLP and SPLP	NA	NA	✓	
15. Raw GPC Data	NA	NA	✓	
16. Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (ICP-MS)				
17. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	1507	1526	✓	
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	1527	3194		
Other Data				
19. Standard and Reagent Preparation Logs	3195	3336	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	3337	3338	1	
21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	3339	3357	_ ✓	
<ol> <li>Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions</li> </ol>	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 <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)       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       33. 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	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       NA         Other Data       37. Standard and Reagent Preparation Logs       NA       NA       NA       ✓         37. Standard and Reagent Preparation Logs       NA       NA       V	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	✓	

			PAGE	NOs:	CH	IECK
			FROM	ТО	LAB	REGION
Additional 44. EPA Shipp	ping/Receiving Documents					
Airbill	(No. of Shipments)		3358	3359	✓	
Sample Ta	ags		NA	NA	✓	
Sample Lo	og-In Sheet (Lab)		3360	3362	✓	
45. Misc. Sh:	ipping/Receiving Records(list all individu	al records)	NA	NA	_ ✓	
						- <u> </u>
	Lab Sample Transfer Records and Tracking e or list)	Sheets	3363	3366		
	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			(Da	te)
	(Signature)	(Print Name & Title	)		(Da	te)



#### **SDG NARRATIVE**

USEPA SDG # MYCZ59 CASE # 51779 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P5177 MODIFIED ANALYSIS #3225.1, 3226.1

#### A. Number of Samples and Date of Receipt

20 Soil samples was delivered to the laboratory intact on 12/06/2024

#### **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: 9.0°C, 8.3°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.

#### 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.

#### **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 MYCZ59 For Arsenic:**

= 52.7398 mg/kg

= 53 mg/kg (Reported Result with Signification)

#### **Calculation for ICP-MS Soil Sample:**

Conversion of Results from  $\mu g$  /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 alignet amount (g) (Fraction of Sample amount taken in pro-

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 MYCZ59 For Antimony:**

If C = 0.57 ppb Vf = 500 ml W = 1.37 g S = 0.993(99.3/100) DF = 1 Concentration (mg/kg) = 0.57 x  $\frac{500}{1.37 \times 0.993}$  x 1 / 1000

= 0.2094 mg/kg

= 0.21 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. AES Spike sample did meet requirements except for Lead, Silver. MS Spike sample (MYD021SRE) did meet requirements . MS Spike sample (MYD021S) did meet requirements except for Arsenic. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Cobalt.

Chemical or physical interference effect was suspected and the data for all affected analytes in the sample received and associated with this serial dilution were flagged.

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.

Internal Standard Association for ICP-MS analysis.

Target Analyte	Associated Internal Standard
Antimony	159Tb
Arsenic	89Y
Barium	159Tb



Beryllium	6Li
Cadmium	159Tb
Chromium	45Sc
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

	<b>MA:</b> 3225.1	<b>Title:</b> 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 an is modification, all an	nples by EPA Draft Method 3050C (see below) alyze for the scheduled target analytes by ICP-MS. alyses, Quality Control (QC), and reporting ant EPA agreement remain unchanged and in full
I. Analyte Modifications		Not applicable 🔀
II. Calibration and QC Requirem	ents	Not applicable
<ul><li>Recovery limits do NOT a</li><li>Prepare a Matrix Spike sp</li></ul>	pply to this LCS and n piked at three times the dditional Matrix Spike	Control Sample (LCS) spiked at the CRQL. Percent to corrective actions are required. he levels specified in the SOW. e sample spiked at five times the levels specified
<ul> <li>Post-Digestion Spike corr</li> </ul>		e 5x Matrix Spike only.
Post-Digestion Spike corr III. Preparation and Method Mod	ective actions apply t	e 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	<b>MA:</b> 3226.1	<b>Title:</b> 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 an AES. Unless specifically modified	nd Matrix Spikes and a ed by this modification	amples by EPA Draft Method 3050C (see below) analyze for the scheduled target analytes by ICP- , 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	ments	Not applicable
<ul> <li>for Draft Method 3050</li> <li>Prepare and analyze ar Recovery limits do NOT</li> <li>Prepare a Matrix Spike</li> <li>Post-Digestion Spike re</li> </ul>	C. n additional Laborator F apply to this LCS and spiked at two times th equirements apply to t	•
Post-Digestion Spike co	····	
III. Preparation and Method M The Laboratory shall:	lodifications	Not applicable
<ul> <li>Mix sample the</li> <li>Add 10 mL 1:1</li> <li>minutes.</li> </ul>	proughly and transfer	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

• 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.

v	Element, Vavelength and Order	Use?	# IECs	IEC	k1	K2	Calc-in-fit
A	s 189.042 {479}	$\boxtimes$	1	Fe	-0.000064	0.000000	No
TI	190.856 {477}		5	Мо	-0.002450	0.000000	No
Ī				Co	0.002248	0.000000	No
1			····	Ti	-0.000500	0.000000	No
Ť				Mn	0.000370	0.000000	No
1				V	-0.012340	0.000000	No
Pt	220.353 {453}	M	6	Мо	-0.001480	0.000000	No
1				Al	-0.000075	0.000000	No
				Cu	0.001400	0.000000	No
1		••••••		Fe	0.000030	0.000000	No
1				Mn	0.000340	0.000000	No
				Ni	0.000630	0.000000	No
Se	196.090 {472}		3	Fe	-0.000308	0.000000	No
	1001000 (112)		1	Mn	0.000470	0.000000	No
			•	Co	-0.000630	0.000000	No
Sh	206.833 {463}	$\boxtimes$	4	Cr	0.010700	0.000000	No
	200.000 (100)			V	-0.001168	0.000000	No
				Mo	-0.002850	0.000000	No
				Ni	-0.002850		
Δ1	396.152 { 85}		4	å		0.000000	No
	493.409 { 68}		Nono	Мо	0.037230	0.000000	No
	234.861 {144}		None	Ma	0.000000	0.000000	
De	234.001 {144}	X	3	Mo	-0.000320	0.000000	No
				Fe	0.000010	0.000000	No
	214 420 (457)	57		Mn	-0.000047	0.000000	No
*********	214.438 {457}	<u> </u>	1	Fe	0.000040	0.000000	No
*****	373.690 { 90}		None				
****	267.716 {126}	<u>¤</u>	1	Mn	0.000160	0.000000	No
Co	228.616 {448}		2	Ti	0.001840	0.000000	No
				Мо	-0.001230	0.000000	No
Cu	324.754 {104}		4	Co	-0.000796	0.000000	No
				Fe	-0.000100	0.000000	No
				Mn	0.000345	0.000000	No
				Ni	0.000895	0.000000	No
	259.837 {130}		None				]
Mn	257.610 {131}		1	Ni	0.000897	0.000000	No
	279.079 {121}		None		[		
	31.604 {446}		None		I		
	328.068 {103}	$\boxtimes$	3	Fe	-0.000100	0.000000	No
	I			Mn	0.000146	0.000000	No
1				V	-0.000889	0.000000	No
Na 8	318.326 { 41}		None			1	Ī
V 29	2.402 {115}		2	Мо	-0.008480	0.000000	No
Î			1	Cr	-0.002220	0.000000	No
Zn 2	06.200 {464}		None		1		
	13.856 (158)		1	Ni	0.007280	0.000000	No
·	9.896 { 44 }		None			1	
	7.495 {490}		2	Ni	0.001640	0.000000	No
			_	Cu	-0.012530	0.000000	No
B 24	9.678 {135}		3	Co	0.002880	0.000000	No
1				V	-0.002000	0.000000	No
1			<u> </u>	Fe	-0.002000	0.000000	NO
Mo	202.030 {467}		None	16	-0.001300	0.000000	UNU
	2.034 {485}		None	Ma	0.000000	0.000000	Na
10 10	2.004 (400)		2	Mo	-0.008000	0.000000	No
1	1.5.5.2.1.1.1.2.2.2.2.2.2.2.2.2.2.2.2.2.			Mn	0.002700	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	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				1

~



PERCENT SOLID

Supervisor: Iwona Analyst: jignesh Date: 12/10/2024

OVENTEMP IN Celsius(°C): 107 Time IN: 13:25 In Date: 12/09/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:30 Out Date: 12/10/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

**QC:**LB133827

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
P5177-01	MYCZ59	1	1.18	8.45	9.63	9.57	99.3	
P5177-02	MYCZ60	2	1.15	8.75	9.9	9.52	95.7	
P5177-03	MYCZ61	3	1.16	8.47	9.63	9.47	98.1	
P5177-04	MYCZ62	4	1.16	8.44	9.6	9.2	95.3	
P5177-05	MYCZ63	5	1.18	8.35	9.53	8.99	93.5	
P5177-06	MYCZ64	6	1.17	8.69	9.86	9.78	99.1	
P5177-07	MYCZ65	7	1.17	8.61	9.78	9.51	96.9	
P5177-08	MYCZ66	8	1.16	8.58	9.74	9.46	96.7	
P5177-09	MYCZ67	9	1.18	8.62	9.8	9.66	98.4	
P5177-10	MYCZ68	10	1.16	8.68	9.84	9.74	98.8	
P5177-11	MYD012	11	1.16	8.36	9.52	9.31	97.5	
P5177-12	MYD013	12	1.18	8.79	9.97	9.77	97.7	
P5177-13	MYD014	13	1.17	8.55	9.72	9.51	97.5	
P5177-14	MYD015	14	1.17	8.54	9.71	9.54	98.0	
P5177-15	MYD016	15	1.14	8.41	9.55	9.38	98.0	
P5177-16	MYD017	16	1.18	8.45	9.63	9.54	98.9	
P5177-17	MYD018	17	1.15	8.73	9.88	9.71	98.1	
P5177-18	MYD019	18	1.15	8.60	9.75	9.6	98.3	
P5177-19	MYD020	19	1.15	8.81	9.96	9.7	97.0	
P5177-20	MYD021	20	1.16	8.61	9.77	9.59	97.9	
P5177-21	MYD021D	21	1.16	8.61	9.77	9.59	97.9	
P5177-22	MYD021S	22	1.16	8.61	9.77	9.59	97.9	

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

			WORKLIST(Har	WORKLIST(Hardcopy Internal Chain)		A LARKI A	t	
WorkList Name :	%1-p5177	WorkList ID :	ID: 186131	Department : We	Chemistry			12-00-2024 40:25.40
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage	Colle	Method
P5177-01	MYCZ59	Fileo						
P5177-02	MYCZ60		Percent Solids	Cool 4 deg C	USEP01	C11	N9/16/2024	
P5177-03	MYC761	DIIOC	Percent Solids	Cool 4 deg C	USEP01	C11	100/31/00	
P5177-04	WV0700	Solid	Percent Solids	Cool 4 deg C	USEP01	ŧ	10/2024	
D5177 06	MITUZ62	Solid	Percent Solids	Cool 4 deg C	1 ISEDU	5	09/16/2024	Chemtech -SO
	MYCZ63	Solid	Percent Solids	Cool A dow O			09/16/2024	Chemtech -SO
P5177-06	MYCZ64	Solid	Percent Solids		USEP01	C11	09/16/2024	Chemtech -SO
P5177-07	MYCZ65	Solid	Deroont Pullia	Cool 4 deg C	USEP01	C11	09/16/2024	Chemtech -SO
P5177-08	MYCZ66	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	09/16/2024	Chemtech -SO
P5177-09	MYCZ67	Pilos		Cool 4 deg C	USEP01	C11	09/16/2024	Chemtech SO
P5177-10	MYCZ68		rercent Solids	Cool 4 deg C	USEP01	C11	09/16/2024	Chemtech 50
P5177-11	MYD012		Percent Solids	Cool 4 deg C	USEP01	C11	09/16/2024	Chemtech 50
P5177-12	MYD013		rercent Solids	Cool 4 deg C	USEP01	C11	Acnc/0c/00	
P5177-13	MYD014	DIIOS	Percent Solids	Cool 4 deg C	USEP01	C11		
P5177-14	MYD015	Solid	Percent Solids	Cool 4 deg C	USEP01	C11	09/20/2024	Chemtech -SO
P5177-15	MYD016		Percent Solids	Cool 4 deg C	USEP01	C11	09/20/2024	Chamtech -SO
P5177-16	MYD017		Fercent Solids	Cool 4 deg C	USEP01	C11		Chamteelt -30
P5177-17	MYD018		Percent Solids	Cool 4 deg C	USEP01	C11		
P5177-18	MYD01a		Percent Solids	Cool 4 deg C	USEP01	C11		Cremtech -SO
P5177-19	WD000		Percent Solids	Cool 4 deg C	USEP01	C11		Chemtech -SO
P5177-20	MVD04		Percent Solids	Cool 4 deg C	USEP01	C11		Chemtech -SO
D6177 04		Solid	Percent Solids	Cool 4 deg C	LISED04			Chemtech -SO
12-1/16-1	MYD021D	Solid	Percent Solids	Cont 4 dea C	0.1300	C11	09/20/2024	Chemtech -SO
Date/Time <u> </u>	2109(24 12140			0 600 + 500	USEP01	C11	09/20/2024 (	Chemtech -SO
Raw Sample Received by:	ed by: 3 (WC)				Date/Time	RIDGIAY	13,30	R
Raw Sample Relinquished by:	uished by:	me)	Page 1 of 2		Raw Sample Received by: Raw Samulo Dourses	Received by:	J&	C JMI
		)	· · ·	7	Nam vanipie N	war sample kellnquished by:	Je le	(m)

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Chain
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tracer w	<b>Date</b> : 12-09-2024 10:38:12	ā		09/20/2024 Chemtech -SO	
Z		Raw Sample Storage Location		C11	
(niar	Department : Wet-Chemistry	Customer		USEP01	
WORKLIST(Hardcopy Internal Chain)	Department :	Preservative		Cool 4 deg C	
WORKLIST(Ha	WorkList ID: 186131	Test	Solid Danie 10 "		
	WorkList I	Matrix Test	Colid	nino	
	%1-p5177	Customer Sample	MYD021S		
	WorkList Name: %1-p5177	Sample	P5177-22		

sw 1 Rito Jan ar 12109124 Raw Sample Relinquished by: Raw Sample Received by: Date/Time

( upu) 13:30 è Raw Sample Relinquished by: Date/Time 127 09124 Raw Sample Received by:

Page 2 of 2