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Lab Name: Alli	ance Technical Group, LLC	Contrac	t: <u>68HERH20D</u>	0011	
Lab Code: ACE	Case No.: 51817	MA No.:	3225.1,3226	.1	SDG No.: MYE450
SOW No. : SFAM	01.1				
EPA Sample No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MYE450	P4477-01	X	X		
MYE451	P4477-02	X	Х		
MYE452	P4477-03	X	Х		
MYE453	P4477-04	X	Х		
MYE453D	P4477-05	X	Х		
MYE453S	P4477-06	X	Х		
MYE454	P4477-07	X	Х		
MYE455	P4477-08	Х	Х		
MYE456	P4477-09	X	Х		
MYE457	P4477-10	X	X		
MYE458	P4477-11	X	Х		
MYE459	P4477-12	Х	Х		
MYE460	P4477-13	Х	Х		
MYE461	P4477-14	Х	Х		
MYE462	P4477-15	Х	Х		
MYE463	P4477-16	Х	Х		
MYE464	P4477-17	Х	Х		
MYE465	P4477-18	X	Х		
MYE466	P4477-19	X	Х		
MYE467	P4477-20	Х	Х		
MYE468	P4477-21	Х	Х		
MYE469	P4477-22	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 # MYE450

Page 1 of 3

USEPA CLP COC (LAB COPY) DateShipped: 10/21/2024 CarrierName: FedEx AirbillNo: 7793 0484 2737

Case #: 51817 Cooler #: EPA Cooler 01 CHAIN OF CUSTODY RECORD

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

No: 9-101424-084123-0135

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
90028-H-00001- 01	MYE450	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7898 (Nane) (1)	90028-H-00001	04/23/2024 17:08	Ł
90028-H-00002- 01	MYE451	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7899 (None) (1)	90028-H-00002	04/23/2024 17:18	9
90028-H-00003- 01	MYE452	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7900 (None) (1)	90028-H-00003	04/23/2024 16:56	• 14
90028-H-00004- 03	MYE453	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7901 (None) (1)	90028-H-00004	04/23/2024 17:02	e l
90028-H-00005- 01	MYE454	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7902 (None) (1)	90028-H-00005	04/23/2024 17:12	
90028-H-00006- 01	MYE455	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7903 (None) (1)	90028-H-00006	04/23/2024 17:04	
90028-H-00007- 01	MYE456	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7904 (None) (1)	90028-H-00007	04/23/2024 16:56	
90028-H-00008- 01	MYE457	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7905 (None) (1)	90028-H-00008	04/23/2024 17:26	£
90028-H-00009- 01	MYE458	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-7906 (None) (1)	90028-H-00009	04/23/2024 17:22	,
90028-H-00010- 01	MYE459	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-7907 (None) (1)	90028-H-00010	90028-H-00010 04/23/2024 17:13	٣

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+ my #	5001 COOL	A	10/18/24	Jong Winthen R9 ES AT	
Date/Time Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	Date/Time	Items/Reason Relinquished by (Signature and Organization) Date/Time	Items/Reason

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

Sample(s) to be used for Lab QC: 90028-H-00004-03 Tag 9-7901 - Special Instructions: ICP-AES 11+Metals:Ag,Al,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, Ni, Pb, Sb, Se,TI, V, Zn OS - Cu, Ni, Pb, Sb, Se,TI, V, Zn OS - Cu, As a construction of the second second

Samples Transferred From Chain of Custody #

Shipment for Case Complete? N

Case #: 51817 Natrix/Sampler Coll. Analysis/Turnaround (taxys) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7909 (None) (1) 90028-H-00011 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7909 (None) (1) 90028-H-00011 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00001 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7914 (None) (1) 90028-H-00007 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00007 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00007 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00007 0 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00007 0 Soil/ REAC	sub hubber	with out the								
Ittles Location 90028-H-00011 90028-H-00012 90028-H-00012 90028-L00001 90028-L00001 90028-L00001 90028-L00005 90028-L00005 90028-L00006 90028-L00007 90028-L00007 90028-L00005 90028-L00007 90028-K-00003 90028-K-00003 90028-K-00005 90028-K-00005 90028-K-00007 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00007 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00007 90028-K-00005 90028-K-00005 90058-K-00005 90058-K-00005 90058-K-00005 90058-K-00005 90058-K-00005	世	17-9-	5001 5001	X	5:56 (କ୍ଷ/ ପ		Jen W		
ttles Location 90028-H-00011 90028-H-00012 90028-H-00012 90028-H-00012 90028-I-00006 90028-I-00006 90028-I-00006 90028-I-00006 90028-I-00007 90028-I-00006 90028-I-00008 90028-I-00007 90028-I-00009 90028-K-00003 90028-K-00003 90028-K-00004 90028-K-00005 90028-K-00005 90028-K-00006 90028-K-00006 90028-K-00005 90028-K-00005 90028-K-00006 90028-K-00006 90028-K-00005 90028-K-00005 90028-K-00006 90028-K-00006 90028-K-00005 90028-K-00006 90028-K-00006 90028-K-00006 90028-K-00005 90028-K-00006 90028-K-00006 90028-K-00006 90028-K-000	1 Upon Receipt	Sample Condition	Date/Time	by (Signature and Organization)	\square	Η	(Signature and Organi	Relinquished by	Items/Reason	
Ittles Location 90028-H-00011 90028-H-00012 90028-H-00001 90028-I-00001 90028-I-00004 90028-I-00005 90028-I-00005 90028-I-00005 90028-I-00005 90028-I-00005 90028-I-00006 90028-I-00005 90028-I-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00005 90028-K-00006 90028-K-00006 90028-K-00005 90028-K-00005 90028-K-00006 90028-K-00006						ICP-MS	=Metals ICP-AES and	ES and ICP-MS	Analysis Key: ICP-A	
Ites Location 90028-H-00011 90028-H-00012 90028-L00001 90028-L00001 90028-L00001 90028-L00001 90028-L00005 90028-L00005 90028-L00006 90028-L00007 90028-L00007 90028-L00005 90028-L00007 90028-K-00002 90028-K-00003 90028-K-00003 90028-K-00005 90028-K-00005	Sustody #	ed From Chain of (Samples Transferre		-e,K,Mg,Mn,Na,Ni,Pb,Sb ๆ	ia,Cd,Co,Cr,Cu, , Zn 057	etals:Ag,Al,As,Ba,Be,C 3u, Ni, Pb, Sb, Se,Tl, V	ICP-AES 11+M 3e, Cd, Co, Cr, C	Special Instructions: Metals: Ag, As, Ba,E	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00002 90028-H-00002 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00005 90028-H-00005 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7914 (None) (1) 90028-H-00005		Complete? N	Shipment for Case							
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 90028-H-00012 5 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00002 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00002 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00002 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00002 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7914 (None) (1) 90028-H-00002 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7916 (None) (1) 90028		04/23/2024 14:38		9-7924 (None) (1)	AES and ICP-MS(21)			MYE476	90028-K-00009-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Furnaround (pays) Tag/Preservative/Bottles (pays) Location Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 90028-H-00011 90028-H-00012 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00011 90028-H-00012 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00004 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00004 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00004 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00004 1 Soll/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00004 1 Soll/ REAC Grab ICP-AES and		04/23/2024 14:33		9-7923 (None) (1)	AES and ICP-MS(21)	_		MYE475	90028-K-00008-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00012 90028-H-00004 90028-H		04/23/2024 14:34	_	9-7922 (None) (1)	AES and ICP-MS(21)			MYE474	90028-K-00007-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00012 90028-H-00004 90028-H-00004 90028-H-00004 90028-H-00004 90028-H-00004 90028-H-00004 90028-H-00004 90028-H-00004 90028-H-00004 90028-H		04/23/2024 14:44	-	9-7921 (None) (1)	AES and ICP-MS(21)			MYE473	90028-K-00006-01	
Case #: 51817 Matrix/Sampler Coll. Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 90028-H-00011 90028-H-00011 90028-H-00011 90028-H-00011 90028-H-00011 90028-H-00012 90028-H-00011 90028-H-00012 90028-H-00011 90028-H-00012 90028-H-00004 90028-H		04/23/2024 14:35	-	9-7920 (None) (1)	AES and ICP-MS(21)			MYE472	90028-K-00005-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00001 90028-H-00001 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00004 90028-H-00005 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00005 90028-H-00006		04/23/2024 14:42	-	9-7919 (None) (1)	AES and ICP-MS(21)	_		MYE471	90028-K-00004-01	
Case #: 51817 Cooler # EPA Coll. <th cooler="" of="" td="" the="" the<="" theories=""><td></td><td>04/23/2024 14:36</td><td>-</td><td>9-7918 (None) (1)</td><td>AES and ICP-MS(21)</td><td>_</td><td>_</td><td>MYE470</td><td>90028-K-00003-01</td></th>	<td></td> <td>04/23/2024 14:36</td> <td>-</td> <td>9-7918 (None) (1)</td> <td>AES and ICP-MS(21)</td> <td>_</td> <td>_</td> <td>MYE470</td> <td>90028-K-00003-01</td>		04/23/2024 14:36	-	9-7918 (None) (1)	AES and ICP-MS(21)	_	_	MYE470	90028-K-00003-01
Case #: 51817 Cooler #: EPA Cooler of Tag/Preservative/Bottles Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 90028-H-00012 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00001 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00001 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00005 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00005 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7913 (None) (1) 90028-H-00006 1 Soil/ REAC Grab ICP-AES and ICP-MS(21)	١	04/23/2024 14:30	\rightarrow	9-7917 (None) (1)	AES and ICP-MS(21)	_		MYE469	90028-K-00002-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00011 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00001 90028-H-00001 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00001 90028-H-00001 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7912 (None) (1) 90028-H-00004	١	04/23/2024 16:22	_	9-7916 (None) (1)	AES and ICP-MS(21)	_		MYE468	90028-1-00009-01	
Case #: 51817 Matrix/Sampler Coll. Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00001	١	04/23/2024 16:28	-	9-7915 (None) (1)	AES and ICP-MS(21)	_		MYE467	90028-1-00008-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00001 90028-H-00001 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00001 90028-H-00001 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00001 90028-H-00001 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-00001 90028-H-000	1	04/23/2024 16:25	_	9-7914 (None) (1)	AES and ICP-MS(21)	_	_	MYE466	90028-1-00007-01	
Case #: 51817 Cooler #: EPA Cooler 01 Matrix/Sampler Coll. Method Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-000012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-000012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7911 (None) (1) 90028-H-000014 9	١	04/23/2024 16:37	_	9-7913 (None) (1)	AES and ICP-MS(21)			MYE465	90028-I-00006-01	
Case #: 51817 Cooler #: EPA Coll. Cooler 01 Matrix/Sampler Coll. Method Analysis/Furnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00011 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-00012 90028-H-00011 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-000012 90028-H-000012 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7910 (None) (1) 90028-H-000012 90028-H-000014	١	04/23/2024 16:50	_	9-7912 (None) (1)	AES and ICP-MS(21)	_	Soil/ ERT	MYE464	90028-1-00005-01	
Case #: 51817 Matrix/Sampler Coll. Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 90028-H-00012 9 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7909 (None) (1) 90028-H-00012 9	١	04/23/2024 16:02	_	9-7911 (None) (1)	AES and ICP-MS(21)		Soil/ REAC	MYE463	90028-1-00004-01	
Case #: 51817 Matrix/Sampler Coll. Analysis/Turnaround (Days) Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 1 Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7909 (None) (1) 90028-H-00012 1	١	04/23/2024 16:16	_	9-7910 (None) (1)	AES and ICP-MS(21)	_	Soil/ REAC	MYE462	90028-1-00001-01	
Case #: 51817 Matrix/Sampler Coll. Analysis/Turnaround Tag/Preservative/Bottles Location Soil/ REAC Grab ICP-AES and ICP-MS(21) 9-7908 (None) (1) 90028-H-00011 1	١	04/23/2024 17:21		9-7909 (None) (1)	-AES and ICP-MS(21)	_		MYE461	90028-H-00012- 01	
Matrix/Sampler Coll. Analysis/Turnaround Tag/Preservative/Bottles Location Method (Days) Tag/Preservative/Bottles Location	٦	04/23/2024 17:06		9-7908 (None) (1)	-AES and ICP-MS(21)			MYE460	90028-H-00011- 01	
Case #: 51817 Cooler #: EPA Cooler 01	For Lab Use Only	Collection Date/Time	Location	Tag/Preservative/Bottles	ıalysis/Turnaround (Days)			CLP Sample No.	Sample Identifier	
	1ammad Ahmed): 908-728-3151	Lab Contact: Mor Lab Phone		oler 01	Cooler #: EPA Co			4 2737	Carriervanie: FedEx AirbillNo: 7793 0484 2737	
	nical Group LLC	Lab: Alliance Techr		Ĩ				1/2024	DateShipped: 10/21/2024	
OPY) CHAIN OF CUSTODY RECORD No: 9-101424-084123-0135	084123-0135	No: 9-101424-		RECORD	CHAIN OF CUSTOD			(LAB COPY)	USEPA CLP COC (LAB COPY)	

SDG # MYE450

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Page 2 of 3

FORM DC-1

SAMPLE LOG-IN SHEET

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e) GODGE	. 1	SECTION			Log-in Date	10/22/2	024
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ved By (Signature) MYE450 MA No. 3225.1,3226.1 Number 51817 SDG No. MYE450 MA No. 3225.1,3226.1							
					Correspondir	חם	
, Intact			Aqueous				Remarks: Condition
-50		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned Lab #	of Sample Shipment, etc.
	1	MYE450	N/A	9-7898		P4477-01	Intact
	2	MYE451	N/A	9-7899		P4477-02	Intact
	3	MYE452	N/A	9-7900		P4477-03	Intact
	4	MYE453	N/A	9-7901		P4477-04	Intact
842737	5	MYE453D	N/A	9-7901		P4477-05	Intact
	6	MYE453S	N/A	9-7901		P4477-06	Intact
	7	MYE454	N/A	9-7902		P4477-07	Intact
	8	MYE455	N/A	9-7903		P4477-08	Intact
	9	MYE456	N/A	9-7904		P4477-09	Intact
Degree C	10	MYE457	N/A	9-7905		P4477-10	Intact
Degree 0	11	MYE458	N/A	9-7906		P4477-11	Intact
	12	MYE459	N/A	9-7907		P4477-12	Intact
	13	MYE460	N/A	9-7908		P4477-13	Intact
	14	MYE461	N/A	9-7909		P4477-14	Intact
	15	MYE462	N/A	9-7910		P4477-15	Intact
n Traffic	16	MYE463	N/A	9-7911		P4477-16	Intact
	17	MYE464	Ņ/A	9-7912		P4477-17	Intact
	18	MYE465	N/A	9-7913		P4477-18	Intact
	19	MYE466	N/A	9-7914		P4477-19	Intact
	20	MYE467	N/A	9-7915		P4477-20	Intact
	21	MYE468	N/A	9-7916		P4477-21	Intact
024	22	MYE469	N/A	9-7917		P4477-22	Intact
	23	N/A	N/A	N/A		N/A	N/A
C		20 21 22	20 MYE467 21 MYE468 22 MYE469	20 MYE467 N/A 21 MYE468 N/A 22 MYE469 N/A	20 MYE467 N/A 9-7915 21 MYE468 N/A 9-7916 22 MYE469 N/A 9-7917	20 MYE467 N/A 9-7915 21 MYE468 N/A 9-7916 22 MYE469 N/A 9-7917	20 MYE467 N/A 9-7915 P4477-20 21 MYE468 N/A 9-7916 P4477-21 22 MYE469 N/A 9-7917 P4477-22

* Contact SMO and attach record of resolution

Reviewed By	W_	Logbook No.	N/A
Date	10/22/24	Logbook Page No.	Ņ/A

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

Alliance Technical	L Group, LLC	
ACE		
68HERH20D0011		
51817	SDG NO.	MYE450
3225.1,3226.1	SOW NO.	SFAM01.1
	ACE 68HERH20D0011 51817	68HERH20D0011 51817 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	ECK REGION
1. SI	DG Cover Page	1	1	✓	
2. Tr	raffic Report/Chain of Custody Record(s)	2	3	✓	
3. Sa	ample Log-In Sheet (DC-1)	4	4	✓	
4.CS	SF Inventory Sheet (DC-2)	5	7	~	
5. SI	DG Narrative	8	17	~	
6.Cc	ommunication Logs	NA	NA	✓	
7. Pe	ercent Solids Log	18	20	✓	
Analys	sis Forms and Data (ICP-AES)				
	ample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	21	40	✓	
	r sample analysis, laboratory QC as applicable nstrument raw data by instrument in analysis order	41	191	✓	
Other	Data				
10. St	candard and Reagent Preparation Logs	192	341		
	riginal Preparation and Cleanup forms or copies of Preparation and Leanup Logbooks	342	343	~	
12. Or	riginal Analysis or Instrument Run forms or copies of Analysis or	344	347	✓	
13. Pe	nstrument Logbooks erformance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
	nstructions «traction Logs for TCLP and SPLP	NA	NA	1	
15. Ra	aw GPC Data	NA	NA	✓	
16. Ra	aw Florisil Data	NA	NA	✓	
Analys	sis Forms and Data (ICP-MS)				
	ample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	348	367	✓	
	r sample analysis, laboratory QC as applicable nstrument raw data by instrument in analysis order	368	1228		
Other	Data				
19. St	candard and Reagent Preparation Logs	1229	1369	✓	
	riginal Preparation and Cleanup forms or copies of Preparation and Leanup Logbooks	1370	1371	✓	
21. Or	riginal Analysis or Instrument Run forms or copies of Analysis or Anstrument Logbooks	1372	1384	✓	
22. Pe	erformance 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	✓	
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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)				
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30. Original Analysis or Instrument Run forms or copies of Analysis or NA NA<		NA	NA	✓	
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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	_ ✓	
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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	✓	
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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>)		1385	1385	✓	
Sample Ta	ags		NA	NA	✓	
Sample Lo	og-In Sheet (Lab)		1386	1388	✓	
45. Misc. Shi	ipping/Receiving Records(list all individua	al records)	NA	NA		
	Lab Sample Transfer Records and Tracking S e or list)	Sheets				
			1389	1392	_ ✓	
	cords and related Communication Logs e or list)		NA	 NA		
						•
48. Comments:	:					
Completed by (CLP Lab)	1	Nimisha Pandya, Docume	nt Contro	l Officer	_	
Audited by: (EPA)	(Signature)	(Print Name & Title)			(Da	te)
	(Signature)	(Print Name & Title)			(Da	te)



284 Sheffield Street Mountainside, NJ 07092

SDG NARRATIVE

USEPA SDG # MYE450 CASE # 51817 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4477 MODIFIED ANALYSIS #3225.1, 3226.1

A. Number of Samples and Date of Receipt

20 Soil samples were delivered to the laboratory intact on 10/22/2024.

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: 17.9°C

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

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

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.



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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) = $C \times Vf = Vf$ W x S

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 MYE450 For Antimony:

If C = 0.0098097 ppm Vf = 100 ml W = 1.30gS = 0.918(91.8/100)DF = 2

Concentration (mg/kg) = $0.0098097 \text{ x} \frac{100}{1.30 \text{ x} 0.918} \text{ x} 2$

= 1.64399 mg/kg

= 1.6 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) = $C \times Vf = Vf + 1000$ W x S

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)



284 Sheffield Street Mountainside, NJ 07092 DF = Dilution Factor

Example Calculation For Sample MYE450 For Antimony :

If C = 2.79 ppb Vf = 500 ml W = 1.30 g S = 0.918(91.8/100) DF = 1 Concentration (mg/kg) = $2.79 \text{ x} \frac{500}{1.30 \text{ x} 0.918} \text{ x} 1 / 1000$ = 1.16892 mg/kg= 1.2 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 (MYE453SRE) did meet requirements except for Silver. . Spike sample (MYE453S) did meet requirements except for Beryllium, Cobalt, Nickel, Vanadium Duplicate sample did meet requirements except for Arsenic, Manganese. 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.



284 Sheffield Street Mountainside, NJ 07092

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_____ Nam

Name: Nimisha Pandya

Date _____

Title: Document Control Officer

	MA: 3225.0	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 t	d Matrix Spikes and and his modification, all and	ples by EPA Draft Method 3050C (see below) alyze for the scheduled target analytes by ICP-MS. alyses, Quality Control (QC), and reporting nt EPA agreement remain unchanged and in full
I. Analyte Modifications		Not applicable 🔀
II. Calibration and QC Requirem	nents	Not applicable
 200.8) to report the resumption of the resumption of the resumption of the resumption of the repare and analyze and recovery limits do NOT and the repare a Matrix Spike set of the repare a Matrix Spike set of the repare and the repare set of the repare se	ults for these analyses. thod 3050C. additional Laboratory (apply to this LCS and n piked at three times th additional Matrix Spike	mined for routine soil analyses (i.e., Method The Laboratory is NOT required to perform an Control Sample (LCS) spiked at the CRQL. Percent to corrective actions are required. The levels specified in the SOW.
 Post-Digestion Spike req Post-Digestion Spike cor 	uirements apply to the	5x Matrix Spike only.
Post-Digestion Spike req	uirements apply to the rective actions apply to	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.

	09/04/2024	MA: 3226.0	Title: ICP-AES with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
Metho	od Source: SFAM01.1	Method: ICP-AES	
Matrix	c: Soil/Sediment	1	
Summ	ary of Modification		
with a AES. U require	dditional modified LCS and Inless specifically modified	Matrix Spikes and ana by this modification, a	ples by EPA Draft Method 3050C (see below) alyze for the scheduled target analytes by ICP- III analyses, Quality Control (QC), and reporting at EPA agreement remain unchanged and in full
I. Ana	alyte Modifications		Not applicable 🔀
II. Cal	ibration and QC Requireme	ents	Not applicable
•	Recovery limits do NOT a	pply to this LCS and no viked at two times the virements apply to the	•
	I OSC DIGESTION SPIKE CON		n Sh
III. Pre	paration and Method Mod		
	paration and Method Mod	lifications	Not applicable
	 boratory shall: Prepare and analyze the some sample thore Mix sample thore Add 10 mL 1:1 HM minutes. Add 5 mL concendigestion comple Concentrate sam Cool sample, add 1 mL aliquots of 3 Dilute to 100 mL 	lifications sample by EPA Draft Noughly and transfer 1.0 NO ₃ and 5 mL 1:1 HCl, trated HNO ₃ and reflute. ple to 5 mL or reflux v 2mL water and 3 mL 30% H ₂ O ₂ until efferve with water, centrifuge s can also be used for for both ICP-AES and	Not applicable Method 3050C as follows: D0 – 1.50 g to a digestion vessel. heat the sample at 95°C (±3°C) and reflux 10 -15 ax for 30 minutes at 95°C (±3°C), repeat until without boiling for 2 hours at 95°C (±3°C). 30% H ₂ O ₂ . Heat at 95°C (±3°C) and add additiona escence is minimal. e or filter as necessary prior to analysis. ICP-MS analysis. Separate Matrix Spikes and LCS

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
			-	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	I
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				[[

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PERCENT SOLID

Supervisor: Iwona Analyst: jignesh **Date:** 10/23/2024

OVENTEMP IN Celsius(°C): 107 **Time IN:** 17:25 **In Date:** 10/22/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1

QC:LB133060

OVENTEMP OUT Celsius(°C): 103 **Time OUT:** 07:49 **Out Date:** 10/23/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN Dish Sample Dish + Dish+Dry

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Sample	Dish+Dry Sample Wt(g)(C)	% Solid	Comments
P4477-01	MYE450	1	1.15	8.53	9.68	8.98	91.8	
P4477-02	MYE451	2	1.15	8.70	9.85	9.65	97.7	
P4477-03	MYE452	3	1.16	8.52	9.68	9.05	92.6	
P4477-04	MYE453	4	1.17	8.54	9.71	9.47	97.2	
P4477-05	MYE453D	5	1.17	8.54	9.71	9.47	97.2	
P4477-06	MYE453S	6	1.17	8.54	9.71	9.47	97.2	
P4477-07	MYE454	7	1.15	8.80	9.95	9.27	92.3	
P4477-08	MYE455	8	1.14	8.48	9.62	8.94	92.0	
P4477-09	MYE456	9	1.15	8.68	9.83	9.59	97.2	
P4477-10	MYE457	10	1.18	8.63	9.81	9.6	97.6	
P4477-11	MYE458	11	1.14	8.53	9.67	9.44	97.3	
P4477-12	MYE459	12	1.15	8.44	9.59	9.32	96.8	
P4477-13	MYE460	13	1.15	8.62	9.77	9.52	97.1	
P4477-14	MYE461	14	1.19	8.50	9.69	9.6	98.9	
P4477-15	MYE462	15	1.18	8.49	9.67	9.2	94.5	
P4477-16	MYE463	16	1.15	8.43	9.58	8.85	91.3	
P4477-17	MYE464	17	1.16	8.69	9.85	9.14	91.8	
P4477-18	MYE465	18	1.17	8.78	9.95	9.5	94.9	
P4477-19	MYE466	19	1.17	8.71	9.88	9.63	97.1	
P4477-20	MYE467	20	1.16	8.58	9.74	9.52	97.4	
P4477-21	MYE468	21	1.17	8.70	9.87	9.4	94.6	
P4477-22	MYE469	22	1.18	8.75	9.93	9.47	94.7	

			WORKLIST(Hard	WORKLIST(Hardcopy Internal Chain)		0)0661 4		
WorkList Name :	%1-P4477	WorkList ID :	D : 184670	Department :	Wet-Chemistry	Dai	Date: 10-22-202	10-22-2024 16:29:11
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4477-01	MYE450	Solid	Percent Solids	Cool 4 deg C	USEP01	011	ACOC/20/00	Chemtooh CO
P4477-02	MYE451	Solid	Percent Solids	Cool 4 deg C	USEP01	011	04/23/2024	Chemtech CO
P4477-03	MYE452	Solid	Percent Solids	Cool 4 deg C	USEP01	011	04/23/2024	Chamtach CO
P4477-04	MYE453	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chamtach CO
P4477-05	MYE453D	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech - SO
P4477-06	MYE453S	Solid	Percent Solids	Cool 4 deg C	USEP01	a11	04/23/2024	Chemtech - SO
P4477-07	MYE454	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-08	MYE455	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-09	MYE456	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-10	MYE457	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-11	MYE458	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech _SO
P4477-12	MYE459	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech _ SO
P4477-13	MYE460	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-14	MYE461	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-15	MYE462	Solid	Percent Solids	Cool 4 deg C	USEP01	011	04/23/2024	Chamtach -00
P4477-16	MYE463	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-17	MYE464	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
P4477-18	MYE465	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech_SO
P4477-19	MYE466	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech SO
P4477-20	MYE467	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chamtach 20
P4477-21	MYE468	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/23/2024	Chemtech -SO
Date/Time (0122124		ſ			Date/Time	40(22)01	51	08771
Raw Sample Received by: Paw Samp Polisconicked	ved by: 70/ WU/C/	1			Raw Sample	Raw Sample Received by:	Of S	L
Naw Sample Reiniquished by:	uisnea py:		Page 1 of 2	1 of 2	Raw Sample	Raw Sample Relinquished by:	Or.	2 tells

			WORKLIST(Har	WORKLIST(Hardcopy Internal Chain)	E	0 9054 W	
WorkList Name : %1-P4477	%1-P4477	WorkList ID	WorkList ID: 184670	Department : Wet-Chemistry	Wet-Chemistry	□ / Date: 10-22-2024 16:29:11	024 16:29:11
Sample	Customer Sample	Matrix Test	Test	Preservative	Customer	Raw Sample Storage Collect Date Method Location	Method
P4477-22	MYE469	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11 04/23/202	04/23/2024 Chemtech -SO

04/23/2024 Chemtech -SO

25,91 WC P Raw Sample Relinquished by: Date/Time 11/22/24 Raw Sample Received by:

14130 70 4000 2 Raw Sample Relinquished by: Date/Time 10/121/24 Raw Sample Received by:

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