#### SDG COVER PAGE

Lab Name:	Alliance	Technical Group, LLC	Contract	68HERH20D	0011	
Lab Code:	ACE	Case No.: 51817	MA No.:	3225.1,3226	.1	SDG No.: MYE4L4
SOW No. :	SFAM01.1					
EPA Sample	No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MYE4L4		P4520-01	X	Х		
MYE4L5		P4520-02	X	Х		
MYE4L6		P4520-03	Х	Х		
MYE4L7		P4520-04	Х	Х		
MYE4L8		P4520-05	Х	Х		
MYE4L9		P4520-06	Х	Х		
MYE4M0		P4520-07	Х	Х		
MYE4M1		P4520-08	Х	Х		
MYE4M1D		P4520-09	Х	Х		
MYE4M1S		P4520-10	Х	Х		
MYE4M2		P4520-11	Х	Х		
MYE4M4		P4520-12	Х	Х		
MYE4M5		P4520-13	Х	Х		
MYE4M6		P4520-14	Х	Х		
MYE4M7		P4520-15	Х	Х		
MYE4M8		P4520-16	Х	Х		
MYE4M9		P4520-17	Х	Х		
MYE4N0		P4520-18	Х	Х		
MYE4N1		P4520-19	Х	Х		
MYE4N2		P4520-20	Х	X		
MYE4N3		P4520-21	Х	Х		
MYE4N4		P4520-22	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:

Airdiino: 7793 0492 3388			Coole	Cooler #: EPA Cooler 05	iler 05		Lab Phone	Lab Phone: 908-728-3151
-	Matrix/Sampler	Coll. Method	Analysis/Turna (Days)	sround	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
YE4L4	Soil/ REAC	Grab	ICP-AES and ICF	<sup>5</sup> -MS(21)	9-8052 (None) (1)	90028-C-00007	04/24/2024 09:46	1-
YE4L5	Soil/ REAC	Grab	ICP-AES and ICF	<sup>5</sup> -MS(21)	9-8053 (None) (1)	90028-C-00008	04/24/2024 10:00	۱ ۲
YE4L6	Soil/ REAC	Grab	ICP-AES and ICF	<sup>5</sup> -MS(21)	9-8054 (None) (1)	90028-C-00009	04/24/2024 09:38	1
YE4L7	Soil/ REAC	Grab	ICP-AES and ICF	<sup>3</sup> -MS(21)	9-8055 (None) (1)	90028-C-00010	04/24/2024 10:03	\ ۲
YE4L8	Soil/ REAC	Grab	ICP-AES and ICF	<sup>3</sup> -MS(21)	9-8056 (None) (1)	90028-C-00011	04/24/2024 09:57	۱ ٦
YE4L9	Soil/ REAC	Grab	ICP-AES and ICF	<sup>3</sup> -MS(21)	9-8057 (None) (1)	90028-C-00012	04/24/2024 09:34	1 6
YE4M0	Soil/ ERT	Grab	ICP-AES and ICF	<sup>3</sup> -MS(21)	9-8058 (None) (1)	90029-C-0001	04/24/2024 16:44	<i>ф</i> 1
YE4M1	Soil/ REAC	Grab	ICP-AES and ICF	3-MS(21)	9-8059 (None) (1)	90029-C-0002	04/24/2024 16:38	ier
YE4M2	Soil/ ERT	Grab	ICP-AES and ICF	<sup>3</sup> -MS(21)	9-8060 (None) (1)	90029-C-0003	04/24/2024 16:17	۱ و
YE4M3	Soil/ ERT	Grab	ICP-AES and ICF	9-MS(21)	9-8061 (None) (1)	90029-C-0004	04/24/2024 16:52	•
YE4M4	Soil/ ERT	Grab	ICP-AES and ICF	9-MS(21)	9-8062 (None) (1)	90029-C-0005	04/24/2024 16:39	1 10
rE4M5	Soil/ ERT	Grab	ICP-AES and ICP	9-MS(21)	9-8063 (None) (1)	90029-C-0006	04/24/2024 16:23	) : =
rE4M6 rE4M7	Soil/ ER1	Grab	ICP-AES and ICP	-MS(21) -MS(21)	9-8065 (None) (1) 9-8065 (None) (1)	90029-C-0008	04/24/2024 16:55 04/24/2024 16:54	۱ م آ مَن
Lab QC: 90( e,Ca,Cd,Co, <sup>Zn</sup>	)29-C-0002-01 Ta Cr,Cu,Fe,K,Mg,M	g 9-8059, 90 n,Na,Ni,Pb,S	0029-C-0004-03 Tag Sb,Se,TI,V,Zn ICP-M	9-8061 - Sp S 11+ Metals		Shipment for Case	e Complete? N red From Chain of C	Sustody #
nd ICP-MS= puished by (1	Metals ICP-AES a Signature and Org	anization)	Date/Time	Received b	by (Signature and Organization)	Date/Time	Sample Condition	1 Upon Receipt
Sal	Core	29	5551 H2181/01		Char	10:21-51-01 +0:81	IP. C. #	1 16-2
0							Custed ?	Real Infor
	CLP     I       Sample No.     MYE4L4       MYE4L4     MYE4L5       MYE4L5     MYE4L6       MYE4L6     MYE4L7       MYE4L7     MYE4L7       MYE4L7     MYE4L7       MYE4L7     MYE4L7       MYE4L7     MYE4L7       MYE4L8     MYE4L7       MYE4L9     MYE4M1       MYE4M1     MYE4M2       MYE4M3     MYE4M3       MYE4M6     MYE4M6       MYE4M6     MYE4M6       MYE4M7     S and ICP-MS=       S and ICP-MS=     S and ICP-MS=       elinquished by (;     Jungal July July July July July July July Jul	CLP mple No.     Matrix/Sampler Soil/ REAC       YE4L4     Soil/ REAC       YE4L5     Soil/ REAC       YE4L6     Soil/ REAC       YE4L7     Soil/ REAC       YE4L8     Soil/ REAC       YE4L9     Soil/ REAC       YE4L9     Soil/ REAC       YE4L1     Soil/ REAC       YE4L3     Soil/ REAC       YE4L4     Soil/ REAC       YE4L9     Soil/ REAC       YE4M1     Soil/ REAC       YE4M2     Soil/ REAC       YE4M3     Soil/ REAC       YE4M4     Soil/ REAC       YE4M5     Soil/ REAC       YE4M6     Soil/ REAC       YE4M7     Soil/ REAC       YE4M6     Soil/ REAC       YE4M7     Soil/ ERT       YE4M6     Soil/ ERT       Soil/ ERT	Sample Identifier         CLP Sample No.         Matrix/Sampler MYEAL4         Coll.           90028-C-00007- 01         MYEAL4         Soil/ REAC         Grab Soil/ REAC         Grab Grab           90028-C-00009- 01         MYEAL5         Soil/ REAC         Grab           90028-C-00010- 01         MYEAL7         Soil/ REAC         Grab           90028-C-00010- 01         MYEAL7         Soil/ REAC         Grab           90028-C-00010- 01         MYEAL7         Soil/ REAC         Grab           90028-C-00010- 01         MYEAL9         Soil/ REAC         Grab           90028-C-0001-01         MYEAL9         Soil/ REAC         Grab           90028-C-0002-01         MYEAM0         Soil/ REAC         Grab           90029-C-0003-01         MYEAM1         Soil/ REAC         Grab           90029-C-0008-01         MYEAM3         Soil	CLP mple No.     Matrix/Sampler Soil/ REAC     Coll. Grab     Analysis/Turna (Days)       YE4L4     Soil/ REAC     Grab     ICP-AES and ICP       YE4L5     Soil/ REAC     Grab     ICP-AES and ICP       YE4L7     Soil/ REAC     Grab     ICP-AES and ICP       YE4L8     Soil/ REAC     Grab     ICP-AES and ICP       YE4L9     Soil/ REAC     Grab     ICP-AES and ICP       YE4M1     Soil/ REAC     Grab     ICP-AES and ICP       YE4M3     Soil/ ERT     Grab     ICP-AES and ICP       YE4M4     Soil/ ERT     Grab     ICP-AES and ICP       YE4M6     Soil/ ERT     Grab     ICP-AES and ICP       YE4M5     Soil/ ERT     Grab     ICP-AES and ICP       YE4M6 <td>CLP mple No.         Matrix/Sampler Soil/ REAC         Coll. (Days)         Analysis/Turnaround (Days)           YE4L4         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L5         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L6         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L7         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L8         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L9         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L8         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L9         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M4         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M4         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M4<td>Analysis/Turnaround (Days)         Tag/Preservative/Bottles (Days)           ICP-AES and ICP-MS(21)         9-8052 (None) (1)           ICP-AES and ICP-MS(21)         9-8053 (None) (1)           ICP-AES and ICP-MS(21)         9-8054 (None) (1)           ICP-AES and ICP-MS(21)         9-8055 (None) (1)           ICP-AES and ICP-MS(21)         9-8055 (None) (1)           ICP-AES and ICP-MS(21)         9-8056 (None) (1)           ICP-AES and ICP-MS(21)         9-8057 (None) (1)           ICP-AES and ICP-MS(21)         9-8058 (None) (1)           ICP-AES and ICP-MS(21)         9-8059 (None) (1)           ICP-AES and ICP-MS(21)         9-8059 (None) (1)           ICP-AES and ICP-MS(21)         9-8050 (None) (1)           ICP-AES and ICP-MS(21)         9-8060 (None) (1)           ICP-AES and ICP-MS(21)         9-8063 (None) (1)           ICP-AES and ICP-MS(21)         9-8065 (None) (1)           ICP-AES and ICP-MS(21)</td><td></td><td>s         Location         Colle Date/ Date/ 90028-C-00007         Colle Date/ Date/ 90028-C-00007           90028-C-00007         04/24/20           90028-C-00010         04/24/20           90028-C-00011         04/24/20           90028-C-00011         04/24/20           90028-C-00011         04/24/20           90029-C-0001         04/24/20           90029-C-0003         04/24/20           90029-C-0005         04/24/20           90029-C-0006         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20</td></td>	CLP mple No.         Matrix/Sampler Soil/ REAC         Coll. (Days)         Analysis/Turnaround (Days)           YE4L4         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L5         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L6         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L7         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L8         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L9         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L8         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4L9         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M4         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M3         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M4         Soil/ REAC         Grab         ICP-AES and ICP-MS(21)           YE4M4 <td>Analysis/Turnaround (Days)         Tag/Preservative/Bottles (Days)           ICP-AES and ICP-MS(21)         9-8052 (None) (1)           ICP-AES and ICP-MS(21)         9-8053 (None) (1)           ICP-AES and ICP-MS(21)         9-8054 (None) (1)           ICP-AES and ICP-MS(21)         9-8055 (None) (1)           ICP-AES and ICP-MS(21)         9-8055 (None) (1)           ICP-AES and ICP-MS(21)         9-8056 (None) (1)           ICP-AES and ICP-MS(21)         9-8057 (None) (1)           ICP-AES and ICP-MS(21)         9-8058 (None) (1)           ICP-AES and ICP-MS(21)         9-8059 (None) (1)           ICP-AES and ICP-MS(21)         9-8059 (None) (1)           ICP-AES and ICP-MS(21)         9-8050 (None) (1)           ICP-AES and ICP-MS(21)         9-8060 (None) (1)           ICP-AES and ICP-MS(21)         9-8063 (None) (1)           ICP-AES and ICP-MS(21)         9-8065 (None) (1)           ICP-AES and ICP-MS(21)</td> <td></td> <td>s         Location         Colle Date/ Date/ 90028-C-00007         Colle Date/ Date/ 90028-C-00007           90028-C-00007         04/24/20           90028-C-00010         04/24/20           90028-C-00011         04/24/20           90028-C-00011         04/24/20           90028-C-00011         04/24/20           90029-C-0001         04/24/20           90029-C-0003         04/24/20           90029-C-0005         04/24/20           90029-C-0006         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20</td>	Analysis/Turnaround (Days)         Tag/Preservative/Bottles (Days)           ICP-AES and ICP-MS(21)         9-8052 (None) (1)           ICP-AES and ICP-MS(21)         9-8053 (None) (1)           ICP-AES and ICP-MS(21)         9-8054 (None) (1)           ICP-AES and ICP-MS(21)         9-8055 (None) (1)           ICP-AES and ICP-MS(21)         9-8055 (None) (1)           ICP-AES and ICP-MS(21)         9-8056 (None) (1)           ICP-AES and ICP-MS(21)         9-8057 (None) (1)           ICP-AES and ICP-MS(21)         9-8058 (None) (1)           ICP-AES and ICP-MS(21)         9-8059 (None) (1)           ICP-AES and ICP-MS(21)         9-8059 (None) (1)           ICP-AES and ICP-MS(21)         9-8050 (None) (1)           ICP-AES and ICP-MS(21)         9-8060 (None) (1)           ICP-AES and ICP-MS(21)         9-8063 (None) (1)           ICP-AES and ICP-MS(21)         9-8065 (None) (1)           ICP-AES and ICP-MS(21)		s         Location         Colle Date/ Date/ 90028-C-00007         Colle Date/ Date/ 90028-C-00007           90028-C-00007         04/24/20           90028-C-00010         04/24/20           90028-C-00011         04/24/20           90028-C-00011         04/24/20           90028-C-00011         04/24/20           90029-C-0001         04/24/20           90029-C-0003         04/24/20           90029-C-0005         04/24/20           90029-C-0006         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0007         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20           90029-C-0008         04/24/20

-2

CHAIN OF CUSTODY RECORD

No: 9-101424-084448-0139 Lab: Alliance Technical Group LLC

SDG # MYE4L4

68HERH20D0011

USEPA CLP COC (LAB COPY) DateShipped: 10/22/2024

Page 1 of 3

68HERH20D0011

SDG # MYE4L4

Page 2 of 3 USEPA CLP COC (LAB COPY)

DateShipped: 10/22/2024 CarrierName: FedEx AirbillNo: 7793 0492 3388

Case #: 51817

CHAIN OF CUSTODY RECORD

Cooler #: EPA Cooler 05

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

No: 9-101424-084448-0139

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
90029-C-0009-01	MYE4M8	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8066 (None) (1)	90029-C-0009	04/24/2024 16:46	1 14
90029-C-0010-01	MYE4M9	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8067 (None) (1)	90029-C-0010	04/24/2024 16:49	こう
90029-C-0012-01	MYE4N0	Soil/ ERT	Grab	ICP-AES and ICP-MS(21)	9-8068 (None) (1)	90029-C-0012	04/24/2024 16:40	1
90029-C-S0001- 01	MYE4N1	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8069 (None) (1)	90029-C-S0001	04/24/2024 16:40	1 5
90029-D-0001-01	MYE4N2	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8070 (None) (1)	90029-D-0001	04/24/2024 16:08	۱ ۲
90029-D-0002-01	MYE4N3	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8071 (None) (1)	90029-D-0002	04/24/2024 16:14	۱ ،
90029-D-0003-01	MYE4N4	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8072 (None) (1)	90029-D-0003	04/24/2024 15:35	1
90029-D-0004-01	MYE4N5	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8073 (None) (1)	90029-D-0004	04/24/2024 15:55	
90029-D-0005-01	MYE4N6	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8074 (None) (1)	90029-D-0005	04/24/2024 15:47	
90029-D-0006-01	MYE4N7	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8075 (None) (1)	90029-D-0006	04/24/2024 16:18	
90029-D-0007-01	MYE4N8	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8076 (None) (1)	90029-D-0007	04/24/2024 15:49	
90029-D-0008-01	MYE4N9	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8077 (None) (1)	90029-D-0008	04/24/2024 15:58	
90029-D-0009-01	MYE4P0	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8078 (None) (1)	90029-D-0009	04/24/2024 15:39	
90029-D-0010-01	MYE4P1	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8079 (None) (1)	90029-D-0010	04/24/2024 15:43	
90029-D-0011-01	MYE4P2	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8080 (None) (1)	90029-D-0011	04/24/2024 16:10	•
90029-D-0012-01	MYE4P3	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8081 (None) (1)	90029-D-0012	04/24/2024 16:01	
90029-D-0012-02	MYE4P4	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8082 (None) (1)	90029-D-0012	04/24/2024 16:03	
90029-E-0001-01	MYE4P5	Soil/ REAC	Grab	ICP-AES and ICP-MS(21)	9-8083 (None) (1)	90029-E-0001	04/24/2024 14:51	
Sample(s) to be use	d for Lab QC: 9	0029-D-0011-01 Ta	ig 9-8080 - S	Sample(s) to be used for Lab QC: 90029-D-0011-01 Tag 9-8080 - Special Instructions: ICP-AES		Shipment for Case Complete? N	e Complete? N	
11+Metals:Ag,Al,As,Ba,Be, Cu, Ni, Pb, Sb, Se,Tl, V, Zn	Ba,Be,Ca,Cd,C I, V, Zn	òo,Cr,Cu,Fe,K,Mg,M	In,Na,Ni,Pb,S	11+Metals:Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, C Cu, Ni, Pb, Sb, Se,Tl, V, Zn	ls: Ag, As, Ba,Be, Cd, Co, Cr,	Samples Transfei	red From Chain of	Custodv #
						00 + 44	hh-shbtso	

, v V

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Emplohone Rg 10/18/24	10/18/24 1555-	Chenz	10.23-24	10-23-24 JR- Cunt 1 16-3
	0				Custody Seal Into
					No temp Blank

### FORM DC-1

### SAMPLE LOG-IN SHEET

Lab Name : Allia	ance Technical Group	), L	LC.	0			Page_1_of_	(	
Received By (Pr	int Name)	• • •	en	Ceré			Log-in Date	e 10/23/2	.024
Received By (Sig	gnature)			pun					
Case Number	51817	Te	SDG	No. MY	E4L4		MA No. 32	225.1,3226.1	
Remarks:							Correspondii	ng	
1. Custody Seal (s)	Present, Intact				Aqueous	5			Remarks: Condition
2. Custody Seal Nos.	057943-44			EPA Sample #	Water Sample pH	Sam Tag	•	Assigned Lab #	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present		1	MYE4L4	N/A	9-8052		P4520-01	Intact
Custody Records			2	MYE4L5	N/A	9~8053		P4520-02	Intact
4. Airbill	Durant		3	MYE4L6	N/A	9-8054		P4520-03	Intact
- Aloni	Present		4	MYE4L7	N/A	9-8055		P4520-04	Intact
5. Airbill No. and	779304923388		5	MYE4L8	N/A	9-8056	2	P4520-05	Intact
Shipping Container ID No.	1		6	MYE4L9	N/A	9-8057		P4520-06	Intact
			7	MYE4M0	N/A	9-8058		P4520-07	Intact
6. Shipping Container Temperature	Absent		8	MYE4M1	N/A	9-8059		P4520-08	Intact
Indicator Bottle			9	MYE4M1D	N/A	9-8059		P4520-09	Intact
7. Shipping Container	16.3 Degree C		10	MYE4M1S	N/A	9-8059		P4520-10	Intact
Temperature	10.5 Dog.co 0		11	MYE4M2	N/A	9-8060		P4520-11	Intact
8. Sample	Intact		12	MYE4M4	N/A	9-8062		P4520-12	Intact
Condition			13	MYE4M5	N/A	9-8063		P4520-13	Intact
			14	MYE4M6	N/A	9-8064		P4520-14	Intact
9. Sample Tags	Absent		15	MYE4M7	N/A	9-8065		P4520-15	Intact
Sample Tag Numbers	Listed on Traffic		16	MYE4M8	N/A	9-8066		P4520-16	Intact
	Report		17	MYE4M9	N/A	9-8067		P4520-17	Intact
10. Does information on Traffic	Yes		18	MYE4N0	N/A	9-8068		P4520-18	Intact
Reports/Chain of			19	MYE4N1	N/A	9-8069		P4520-19	Intact
Custody Records and Sample Tags			20	MYE4N2	N/A	9-8070		P4520-20	Intact
agree ?			21	MYE4N3	N/A	9-8071		P4520-21	Intact
<ol> <li>Date Received at Lab</li> </ol>	10/23/2024		22	MYE4N4	N/A	9-8072		P4520-22	Intact
			23	N/A	N/A	N/A		N/A	N/A
12.Time Received	18:07								~

## \* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	10/23/24	Logbook Page No.	N/A

SFAM01.1 (11/2020)

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

Alliance Technical	Group, LLC	
ACE		
68HERH20D0011		
51817	SDG NO.	MYE4L4
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	CH LAB	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	4	✓	
4. CSF Inventory Sheet (DC-2)	5	7	✓	
5. SDG Narrative	8	17	✓	
6. Communication Logs	NA	NA	<b>√</b>	
7. Percent Solids Log	18	20	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	21	40		
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	41	475		·
Other Data				
10. Standard and Reagent Preparation Logs	476	637	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	638	639	<b>√</b>	
12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	640	651		
<ol> <li>Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions</li> </ol>	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	652	671	✓	
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	672	2189	✓	
Other Data				
19. Standard and Reagent Preparation Logs	2190	2334	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and	2335	2336	✓	
Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	2337	2351	✓	
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 <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	TO	LAB	REGION
Additional 44. EPA Shipp	ing/Receiving Documents					
Airbill (	No. of Shipments)		2352	2352	✓	
Sample Ta	gs		NA	NA	✓	
Sample Lo	g-In Sheet (Lab)		2353	2355	✓	
45. Misc. Shi	pping/Receiving Records(list all individ	ual records)	NA	NA	_ <b>√</b>	
						- <u> </u>
	Lab Sample Transfer Records and Tracking e or list)	Sheets	2356	2359		
	cords and related Communication Logs e or list)		NA	NA		
48. Comments:						
Completed by (CLP Lab)		Nimisha Pandya, Docur		Officer		
Audited by: (EPA)	(Signature)	(Print Name & Title)	)		(Da	te)
	(Signature)	(Print Name & Title)	)		(Da	te)



### **SDG NARRATIVE**

USEPA SDG # MYE4L4 CASE # 51817 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4520 MODIFIED ANALYSIS #3225.1, 3226.1

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

20 Soil samples were delivered to the laboratory intact on 10/23/2024.

### **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: 16.3°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 MYE4L4 For Arsenic:

If C = 48.8971 ppbVf = 100 mlW = 1.17 gS = 0.939(93.9/100)DF = 2

Concentration (mg/kg) =  $48.8971 \text{ x} \frac{100}{1.17 \text{ x} 0.939} \text{ x } 2$ 

= 8.9014 mg/kg

= 8.9 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) =  $C \times Vf = Vf = VF / 1000$ 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) DF = Dilution Factor

### Example Calculation For Sample MYE4L4 For Antimony :

If C = 0.21 ppb Vf = 500 ml W = 1.17 g S = 0.939(93.9/100) DF = 1 Concentration (mg/kg) =  $0.21 \text{ x} \frac{500}{1.17 \text{ x} 0.939} \text{ x} 1 / 1000$ = 0.09557 mg/kg

= 0.096 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 Zinc. MS Spike sample (MYE4M1SRE) did meet requirements except for Lead. MS Spike sample (MYE4M1S) did meet requirements except for Arsenic. 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\_\_\_\_\_ Nan

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 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
<ul><li>Recovery limits do NOT a</li><li>Prepare a Matrix Spike sp</li></ul>	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.
<ul><li>for this Modified Analysis</li><li>Post-Digestion Spike requ</li><li>Post-Digestion Spike corr</li></ul>	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	<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 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
<ul> <li>for Draft Method 3050</li> <li>Prepare and analyze and Recovery limits do NO</li> <li>Prepare a Matrix Spike</li> <li>Post-Digestion Spike recovery</li> </ul>	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
<ul> <li>Mix sample the</li> <li>Add 10 mL 1:1</li> <li>minutes.</li> <li>Add 5 mL conc digestion complete</li> </ul>	oroughly and transfer HNO <sub>3</sub> and 5 mL 1:1 H centrated HNO <sub>3</sub> 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
			-	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	<u> </u>	¥		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	Мо	-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: 10/28/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 12:05 In Date: 10/26/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius(°C): 103 Time OUT: 07:22 Out Date: 10/27/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

**QC:**LB133141

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
P4520-01	MYE4L4	1	1.16	8.51	9.67	9.15	93.9	
P4520-02	MYE4L5	2	1.16	8.72	9.88	9.26	92.9	
P4520-03	MYE4L6	3	1.16	8.52	9.68	9.43	97.1	
P4520-04	MYE4L7	4	1.17	8.48	9.65	9.4	97.1	
P4520-05	MYE4L8	5	1.17	8.73	9.9	9.66	97.3	
P4520-06	MYE4L9	6	1.16	8.61	9.77	9.41	95.8	
P4520-07	MYE4M0	7	1.17	8.54	9.71	7.79	77.5	
P4520-08	MYE4M1	8	1.15	8.67	9.82	8.4	83.6	
P4520-09	MYE4M1D	9	1.15	8.67	9.82	8.4	83.6	
P4520-10	MYE4M1S	10	1.15	8.67	9.82	8.4	83.6	
P4520-11	MYE4M2	11	1.15	8.83	9.98	7.28	69.4	
P4520-12	MYE4M4	12	1.16	8.46	9.62	9.26	95.7	
P4520-13	MYE4M5	13	1.15	8.44	9.59	8.39	85.8	
P4520-14	MYE4M6	14	1.14	8.63	9.77	9.41	95.8	
P4520-15	MYE4M7	15	1.12	8.76	9.88	9.55	96.2	
P4520-16	MYE4M8	16	1.16	8.59	9.75	9.4	95.9	
P4520-17	МУЕ4М9	17	1.17	8.60	9.77	8.27	82.6	
P4520-18	MYE4N0	18	1.17	8.52	9.69	8.94	91.2	
P4520-19	MYE4N1	19	1.14	8.47	9.61	9.12	94.2	
P4520-20	MYE4N2	20	1.14	8.84	9.98	9.63	96.0	
P4520-21	MYE4N3	21	1.14	8.42	9.56	9.21	95.8	
P4520-22	MYE4N4	22	1.15	8.74	9.89	9.53	95.9	

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

			WORKLIST(Hard	ST(Hardcopy Internal Chain)		(4)20,0		
WorkList Name :	%1-p4520	WorkList ID :	<b>D</b> : 184819	Department : Wet-C	Wet-Chemistry	Da Da	Date: 10-26-202	10-26-2024 10:06:45
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location		Method
P4520-01	MYE4L4	Solid	Percent Solids	Cool 4 door 0				
P4520-02	MYE4L5	Solid	Percent Solide		USEP01	Q11	04/24/2024	Chemtech -SO
P4520-03	MYE4L6	Solid	Percont Colida		USEP01	a11	04/24/2024	Chemtech -SO
P4520-04	MYE4L7	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/24/2024	Chemtech -SO
P4520-05	MYE4L8			Cool 4 deg C	USEP01	Q11	04/24/2024	Chemtech -SO
P4520-06	MYE4L9		Percent Solids	Cool 4 deg C	USEP01	Q11	04/24/2024	Chemtech -SO
P4520-07	MYF4M0		Percent Solids	Cool 4 deg C	USEP01	Q11	04/24/2024	Chemtech -SO
P4520-08	MVEAMA	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11	04/24/2024	Chemtech -SO
P4520-00		pilos	Percent Solids	Cool 4 deg C	USEP01	Q11	04/24/2024	Chemtech -SO
P4520-03	MYE4M1D MYE4M46	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11		Chemtech -SO
D4620 14	MITE4MIS	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11		Chemtech -SO
	MYE4MZ	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11		Chamtech CO
F4520-12	MYE4M4	Solid	Percent Solids	Cool 4 deg C	USEP01	011		Chemical -30
P4520-13	MYE4M5	Solid	Percent Solids	Cool 4 deg C	USEP01	011		Chemiech -50
P4520-14	MYE4M6	Solid	Percent Solids	Cool 4 deg C	USEP01	Q11		
P4520-15	MYE4M7	Solid	Percent Solids	Cool 4 deg C	USEP01	011		
P4520-16	MYE4M8	Solid	Percent Solids	Cool 4 deg C	USEP01	011		
P4520-17	MYE4M9	Solid	Percent Solids	Cool 4 deg C	USEP01	011		Chemiech -50
P4520-18	MYE4N0	Solid	Percent Solids	Cool 4 deg C	USEP01	04		
P4520-19	MYE4N1	Solid	Percent Solids	Cool 4 dea C			- 1	Chemtech -SO
P4520-20	MYE4N2	Solid	Percent Solids	Cool 4 deg C	USEP01	51	- 1	Chemtech -SO
P4520-21	MYE4N3	Solid	Percent Solids	Cool 4 deg C	USEP01	011	04/24/2024 (	Chemtech -SO Chemtech -SO
Date/Time	1012614 11:35					111111	- II - 4	(
Raw Sample Received by: Raw Sample Relinquished by:	ved by: +16) (uelC)				Raw Sample Received by:	ceived by:	×16	1-C Sw)
			Page 1 of 2	[2	Kaw Sample Relinquished by:	linquished by:	E -	(avc)

(1166)	O	Raw Sample Storage Collect Date Method Location		Q11 04/24/2024 Chemtech -SO	
lin)	Net-Chemistry	Customer		USEP01 Q11	
WORKLIST(Hardcopy Internal Chain)	Department : Wet-Chemistry	Preservative		Cool 4 deg C	
<b>WORKLIST(H</b>	WorkList ID: 184819	Matrix Test		Solid Percent Solids	
	%1-p4520	Customer Sample	MVEANA		
	WorkList Name: %1-p4520	Sample	P4520-22		

Ş Ceelr 1135 R Raw Sample Relinquished by: Date/Time 20 26 24 Raw Sample Received by:

121.10 2 Raw Sample Relinquished by: Date/Time U/A6124 Raw Sample Received by:

aug

Page 2 of 2