### SDG COVER PAGE

Alliance Technical Group, LLC Lab Name: Contract: 68HERH20D0011 Lab Code: Case No.: 51772 MA No.: 3225.1,3226.1 SDG No.: MYDAZ2 SOW No. : SFAM01.1 Analysis Method EPA Sample No. Lab Sample Id ICP-AES ICP-MS Mercury Cyanide MYDAZ2 P4312-01 Χ Χ MYDAZ3 P4312-02 Χ Χ MYDAZ4 P4312-03 Χ Χ MYDAZ5 P4312-04 Χ MYDAZ6 P4312-05 Χ Χ MYDAZ7 P4312-06 Χ Χ MYDAZ8 P4312-07 Χ Χ MYDAZ9 P4312-08 Χ Χ P4312-09 MYDB00 Χ Χ P4312-10 Χ Χ MYDB01 MYDB02 Χ Χ P4312-11 MYDB03 P4312-12 Χ Χ MYDB04 P4312-13 Χ Χ Χ Χ MYDB05 P4312-14 MYDB07 P4312-15 Χ Χ MYDB08 P4312-16 Χ Χ MYDB09 P4312-17 Χ Χ MYDB10 P4312-18 Χ Χ MYDB11 P4312-19 Χ Χ MYDB17 P4312-20 Χ Χ MYDB17D P4312-21 Χ Χ Χ Χ MYDB17S P4312-22

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:	1	Name:
Date:	1	Title:

### 68HERH20D0011

SDG # MYDAZ2

USEPA CLP COC (LAB COPY)

AirbillNo: 7790 0057 6067 CarrierName: FedEx DateShipped: 10/3/2024

> Cooler #: 51772-078 Case #: 51772

CHAIN OF CUSTODY RECORD

No: 9-062124-085536-0078

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

Sample Identifier	CLP	Matrix/Sampler	Coll.	Analysis/Turnaround	Tag/Preservative/Bottles	Location	Date/Time	Only
•	Sample No.		Method	(Days)	9-5070 (None) (1)	1108-J-0001	06/20/2024 11:25	-
11081-0001-01	MYDAZ2	Soil/ REAC	Grab	ICP-AES I (ZI)	O-OETO (mono) (1)	2100   0002	06/20/2024 11:25	۲
1400 1 0003-01	MYDA73	Soil/ REAC	Grab	ICP-AES 11(21)	9-5271 (None) (1)	1100-1-0000	000000000000000000000000000000000000000	-
100-1-0000-01	10000	Coil DEAC	Grah	ICP-AES 11(21)	9-5272 (None) (1)	1108-J-0003		7
1108-J-0003-01	MYUAZ4	300 7570	0 6	ICB AEC 11/21)	9-5273 (None) (1)	1108-J-0004	06/20/2024 11:37	۷
1108-J-0004-01	MYDAZ5	Soil/ REAC	Grab		0 5274 (None) (1)	1108-H-0003	06/20/2024 13:19	7
1108-H-0003-01	MYDAZ6	Soil/ REAC	Grab	ICP-AES 11(21)	9-52/4 (Noile) (1)	1108 C 0000	06/20/2024 13:20 C	
1400 0 0000 01	MYDA77	Soil/ REAC	Grab	ICP-AES 11(21)	9-52/5 (None) (1)	1100 0 0000		
1100-0-000-0-1	02.VIVE	Soil BEAC	Grab	ICP-AES 11(21)	9-5276 (None) (1)	9000-9-801.L	4. 77.C1 #207IN7ION	+
1108-6-0006-01	MIUAZO	CONT. TOTAL	Grah	ICP-AES 11(21)	9-5277 (None) (1)	1108-H-0010	06/20/2024 13:23 Y	*
1108-H-0010-01	MTUALS		C as	ICP-AES 11(21)	9-5278 (None) (1)	1108-G-0008	06/20/2024 13:24	هر
1108-G-0008-01	MYDBOO	SOIL KEAC	Giab		0.6070 (None) (1)	1108-L-0003	06/20/2024 10:54	6
1108-L-0003-01	MYDB01	Soil/ REAC	Grab	ICP-AESTI(21)	0-0210 (None) (1)	1108-0-0005	06/20/2024 08:29	=
1108-0-0005-01	MYDB02	Soil/ REAC	Grab	ICP-AES 11(21)	6-2280 (Noue) (1)	1100 00011	DE-21 PCUC/UC/90	٦
1100 0 0011-01	MYDB03	Soil/ REAC	Grab	ICP-AES 11(21)	9-5281 (None) (1)	1100-0-0011	000000000000000000000000000000000000000	- F
100 0 0001 01	MYDR04	Soil/ REAC	Grab	ICP-AES 11(21)	9-5282 (None) (1)	1000-9-80LL	00/20/2024 13:43	
1100-G-0001-01	MYDDD.	Sail/ REAC	Grab	ICP-AES 11(21)	9-5283 (None) (1)	1108-G-0005	06/20/2024 13.43	1
10-000-9-8011	W. DOG	Colly DEAD	Crah.	ICP-AES 11(21)	9-5284 (None) (1)	1108-H-0007	06/20/2024 13:44	•
1108-H-0007-03	MYDBUO	SOIL VEVO		ICD AES 11/21)	9-5285 (None) (1)	1108-M-0001	06/20/2024 13:44	ち
1108-M-0001-01	MYDB07	Soil/ REAC	Grab	CT-AEG I (AI)	0 5396 (None) (1)	1108-H-0011	06/20/2024 13:47	5
1108-H-0011-01	MYDB08	Soil/ REAC	Grab	ICP-AES 11(21)	9-5286 (Note) (1)	1100 M 0006	06/20/2024 13:47	5
1108-M-0006-01	MYDB09	Soil/ REAC	Grab	ICP-AES 11(21)	9-5287 (None) (1)	1100-MI-0000	06/20/2024 13:49	T
1108-H-0005-01	MYDB10	Soil/ REAC	Grab	ICP-AES 11(21)	9-5288 (None) (1)	1100-11-0000	00110110110	T

Sample(s) to be used for Lab QC: 1108-H-0007-03 Tag 9-5284 - Special Instructions: ICP-AES 11+Metals:Ag,Al,As,Ba,Be,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, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn Samples Transferred From Chain of Custody # Shipment for Case Complete? N

Analysis Key: ICP-AES 11=ICP-AES 11+Metals

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44.0	TK GON T	20/4/24		10/2/20		=
7	200 200		Received by (Signature and Organization)	Date/Time	Relinguished & (Signature and Organization)	Itomo/Doseon
n Receipt	Sample Condition Upo.	Date/Time	noise and Organization		5	

USEPA CLP COC (LAB COPY)

SDG # MYDAZ2

### CHAIN OF CUSTODY RECORD

CarrierName: FedEx DateShipped: 10/3/2024 AirbillNo: 7790 0057 6067

> Cooler #: 51772-078 Case #: 51772

> > No: 9-062124-085536-0078

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

Sample No.         Memod         (LOPYS)         9-5289 (None) (1)         1108-M-0010         06/20/2024 13:52           MYDB11         Soll/ REAC         Grab         ICP-AES 11(21)         9-5289 (None) (1)         1108-M-0010         06/20/2024 08:24           MYDB12         Soll/ REAC         Grab         ICP-AES 11(21)         9-5290 (None) (1)         1108-A-0004         06/20/2024 08:24           MYDB13         Soll/ REAC         Grab         ICP-AES 11(21)         9-5291 (None) (1)         1108-C-0006         06/20/2024 08:26           MYDB15         Soll/ REAC         Grab         ICP-AES 11(21)         9-5292 (None) (1)         1108-C-0004         06/20/2024 08:26           MYDB16         Soll/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0005         06/20/2024 08:28           MYDB17         Soll/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB19         Soll/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-A-0007         06/20/2024 08:30           MYDB21         Soll/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-A-0006         06/20/2024 08:30           MYDB21         Soll/ REAC	Sample Identifier	CLP	Matrix/Sampler	Coll	Analysis/Turnaround	Tag/Preservative/Bottles	Location	Collection Date/Time	Only
MYDB11         Soil/ REAC         Grab         ICP-AES 11(21)         9-5290 (None) (1)         1108-A-0004         06/20/2024 08:24           MYDB12         Soil/ REAC         Grab         ICP-AES 11(21)         9-5291 (None) (1)         1108-C-0006         06/20/2024 08:25           MYDB13         Soil/ REAC         Grab         ICP-AES 11(21)         9-5292 (None) (1)         1108-C-0004         06/20/2024 08:26           MYDB14         Soil/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-C-0004         06/20/2024 08:26           MYDB15         Soil/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0005         06/20/2024 08:26           MYDB16         Soil/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB19         Soil/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0001         06/20/2024 08:30           MYDB21         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0001         06/20/2024 08:32           MYDB22		Sample No.		Method	(Days)	9-5089 (None) (1)	1108-M-0010	06/20/2024 13:52	٩
MYDB12         Soli/ REAC         Grab         ICP-AES 11(21)         9-529/ (None) (1)         108-C-0006         06/20/2024 08:25           MYDB13         Soli/ REAC         Grab         ICP-AES 11(21)         9-5291 (None) (1)         1108-C-0006         06/20/2024 08:26           MYDB14         Soli/ REAC         Grab         ICP-AES 11(21)         9-5292 (None) (1)         1108-C-0004         06/20/2024 08:26           MYDB15         Soli/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0005         06/20/2024 08:26           MYDB16         Soli/ REAC         Grab         ICP-AES 11(21)         9-5294 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB17         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-B-0002         06/20/2024 08:30           MYDB19         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0001         06/20/2024 08:30           MYDB21         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0001         06/20/2024 08:32           MYDB22	1108-M-0010-01	MYDB11	Soil/ REAC	Grab	ICT-AES II(AI)	0 F200 (Nemo) (1)	1108-4-0004	06/20/2024 08:24	
MYDB13         Soil/ REAC         Grab         ICP-AES 11(21)         9-5291 (None) (1)         1108-C-0006         06/20/2024 08:28           MYDB14         Soil/ REAC         Grab         ICP-AES 11(21)         9-5292 (None) (1)         1108-C-0004         06/20/2024 08:28           MYDB15         Soil/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0005         06/20/2024 08:48           MYDB16         Soil/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB17         Soil/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-B-0002         06/20/2024 08:34           MYDB18         Soil/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0001         06/20/2024 08:32           MYDB21         Soil/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0001         06/20/2024 08:33           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002         06/20/2024 08:33           MYDB27	1108-A-0004-01	MYDB12	Soil/ REAC	Grab	ICP-AES 11(21)	8-2290 (NOIIE) (1)	100000000000000000000000000000000000000	7C-80 ACOCIOCISO	
MYDB14         Soli/ REAC         Grab         ICP-AES 11(21)         9-5292 (None) (1)         1108-C-0004         06/20/2024 08:26           MYDB15         Soli/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0005         06/20/2024 08:46           MYDB16         Soli/ REAC         Grab         ICP-AES 11(21)         9-5294 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB17         Soli/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-B-0002         06/20/2024 08:30           MYDB18         Soli/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soli/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001         06/20/2024 08:30           MYDB21         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007         06/20/2024 08:32           MYDB22         Soli/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0007         06/20/2024 08:33           MYDB23         Soli/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0007         06/20/2024 08:33           MYDB3	10000000	MACOD13	Soil/ REAC	Grab	ICP-AES 11(21)	9-5291 (None) (1)	1108-C-0006	00/20/2024 00.23	
MYDB14         Soli/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0005         06/20/2024 08:46           MYDB15         Soli/ REAC         Grab         ICP-AES 11(21)         9-5293 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB16         Soli/ REAC         Grab         ICP-AES 11(21)         9-5294 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB17         Soli/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-B-0002         06/20/2024 08:30           MYDB19         Soli/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soli/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001         06/20/2024 08:32           MYDB21         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007         06/20/2024 08:32           MYDB22         Soli/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0002         06/20/2024 08:34           MYDB25         Soli/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002         06/20/2024 08:34           MYDB3	1108-C-0006-01	MITUBIO			ICB AEG 11(21)	9-5292 (None) (1)	1108-C-0004	06/20/2024 08:26	
MYDB15         Soli/ REAC         Grab         ICP-AES 11(21)         9-229 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB16         Soli/ REAC         Grab         ICP-AES 11(21)         9-5294 (None) (1)         1108-A-0007         06/20/2024 08:28           MYDB17         Soli/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-B-0002         06/20/2024 08:34           MYDB19         Soli/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soli/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001         06/20/2024 08:32           MYDB21         Soli/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007         06/20/2024 08:33           MYDB22         Soli/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0007         06/20/2024 08:33           MYDB23         Soli/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002         06/20/2024 08:33           MYDB3         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002         06/20/2024 08:34	1108-C-0004-01	MYDB14	Soil/ REAC	Grab	ICT-AEG ((Z1)	0 5000 (Name) (4)	1108_0-0005	06/20/2024 08:46	
MYDB16         Soil/ REAC         Grab         ICP-AES 11(21)         9-5294 (None) (1)         1108-A-0007         00/20/2024 08:24           MYDB17         Soil/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-B-0002         06/20/2024 08:30           MYDB18         Soil/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001         06/20/2024 08:30           MYDB21         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007         06/20/2024 08:32           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0007         06/20/2024 08:33           MYDB32         Soil/ REAC         Grab         ICP-AES 11(21)         9-5390 (None) (1)         1108-C-0002         06/20/2024 08:34           MYDB32         Soil/ REAC         Grab         ICP-AES 11(21)         9-5390 (None) (1)         1108-C-0002         06/20/2024 08:34	1108-A-0005-01	MYDB15	Soil/ REAC	Grab	ICP-AES 11(21)	6-1) (AUON) C67G-6	10000000	06/20/20/20 DR:28	
MYDB17         Soil/ REAC         Grab         ICP-AES 11(21)         9-5295 (None) (1)         1108-B-0002         06/20/2024 08:30           MYDB18         Soil/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005         06/20/2024 08:30           MYDB19         Soil/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001         06/20/2024 08:30           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007         06/20/2024 08:32           MYDB21         Soil/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0007         06/20/2024 08:33           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002         06/20/2024 08:33           MYDB32         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002         06/20/2024 08:33	100 7 0007 04	MVDB16	Soil/ RFAC	Grab	ICP-AES 11(21)	9-5294 (None) (1)	1108-A-0007	00/20/2024 00.20	
MYDB17         Soli/ REAC         Grab         ICP-AES 11(21)         9-5296 (None) (1)         1108-C-0005           MYDB18         Soil/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-A-0006           MYDB19         Soil/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002	1108-A-0007-01	NI DO	Sell DEAC	0.75	ICP-AFS 11(21)	9-5295 (None) (1)	1108-B-0002	06/20/2024 08:44	20-06
MYDB18         Soll/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-A-0006           MYDB19         Soil/ REAC         Grab         ICP-AES 11(21)         9-5297 (None) (1)         1108-C-0001           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002	1108-B-0002-03	MYDB1/	ON KENC	0 00	ICB-AES 11(21)	9-5296 (None) (1)	1108-C-0005	06/20/2024 08:30	
MYDB19         Soil/ REAC         Grab         ICP-AES 11(21)         9-5297 (NOIN) (NOIN) (1)         1108-C-0001           MYDB20         Soil/ REAC         Grab         ICP-AES 11(21)         9-5298 (None) (1)         1108-C-0007           MYDB21         Soil/ REAC         Grab         ICP-AES 11(21)         9-5299 (None) (1)         1108-C-0007           MYDB22         Soil/ REAC         Grab         ICP-AES 11(21)         9-5300 (None) (1)         1108-C-0002	1108-C-0005-02	MYDB18	SOIV REAC	GIAD	00 ATO AT (24)	0 5297 (None) (1)	1108-A-0006	06/20/2024 08:30	
MYDB20 Soil/ REAC Grab ICP-AES 11(21) 9-5298 (None) (1) 1108-C-0007 MYDB21 Soil/ REAC Grab ICP-AES 11(21) 9-5299 (None) (1) 1108-C-0007 MYDB22 Soil/ REAC Grab ICP-AES 11(21) 9-5300 (None) (1) 1108-C-0002	1108-A-0006-01	MYDB19	Soil/ REAC	Grab	ICP-AESTI(ZI)	0-0201 (10010) (1)	1100 0 0001	DE/20/2024 DB:32	
MYDB21 Soil/ REAC Grab ICP-AES 11(21) 9-5299 (None) (1) 1108-C-0007 MYDB22 Soil/ REAC Grab ICP-AES 11(21) 9-5300 (None) (1) 1108-C-0002	1108-0-0001-01	MYDB20	Soil/ REAC	Grab	ICP-AES 11(21)	9-5298 (None) (1)	1100-0-0001	000000000000000000000000000000000000000	
MYDB22 Soil/ REAC Grab ICP-AES 11(21) 9-5300 (None) (1) 1108-C-0002	100-0-007-01	MAY DO	Soil/ REAC	Grab	ICP-AES 11(21)	9-5299 (None) (1)	1108-C-000/	06/20/2024 06.55	
MYDB22 Soil/ REAC Grab ICF-AE3 (1(21)) Cook (1997)	1108-C-0007-01	MILODZI			100 AEC 11/01)	9-5300 (None) (1)	1108-C-0002	06/20/2024 08:34	
	1108-C-0002-01	MYDB22	Soil/ REAC	Grab	ICF-AESTI(ZI)	0.0000 (10010) (1)			

Sample(s) to be used for Lab QC: 1108-B-0002-03 Tag 9-5295 - 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,Tl,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se,Tl, V, Zn Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ICP-AES 11=ICP-AES 11+Metals

NO TEMP /NO ICE					
custody seal intact		0			700
2.39	4:39	1. Mederaly	1600 1600	XX IVESTIC	SHIP TO
けるのがあった	10/4/24			Items/Reason Relinquisped by (Signature and Organization)	tems/Reason
Campio Comment	Date: Time	Received by (Signature and Organization)	Date/Time	b. (Cianature and Organization)	

### FORM DC-1 SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group	, LLC	Page_1_of_
Received By (Print Name) (2559	gara Krier	Log-in Date 10/4/2024
Received By (Signature)		
Case Number 51772	SDG No. MYDAZ2	MA No. 3225.1,3226.1

Remarks:	
1. Custody Seal (s)	Present, Intact
2. Custody Seal Nos.	n/a
3. Traffic Reports/Chain Of Custody Records	Present
4 Airbill	Present
5. Airbill No. and	779000576067
Shipping Container ID No.	1
6. Shipping Container Temperature Indicator Bottle	Absent
7. Shipping Container Temperature	22.3 Degree C
8. Sample Condition	Intact
9. Sample Tags	Absent
Sample Tag Numbers	Listed on Traffic Report
10. Does information on Traffic Reports/Chain of Custody Records and Sample Tags agree ?	Yes
11. Date Received at Lab	10/04/2024
12.Time Received	09:39

			Correspondi	ng	Pomarka
	EPA Sample #	Aqueous Water Sample pH	, Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MYDAZ2	N/A	9-5270	P4312-01	Intact
2	MYDAZ3	N/A	9-5271	P4312-02	Intact
3	MYDAZ4	N/A	9-5272	P4312-03	Intact
4	MYDAZ5	N/A	9-5273	P4312-04	Intact
5	MYDAZ6	N/A	9-5274	P4312-05	Intact
6	MYDAZ7	N/A	9-5275	P4312-06	Intact
7	MYDAZ8	N/A	9-5276	P4312-07	Intact
8	MYDAZ9	N/A	9-5277	P4312-08	Intact
9	MYDB00	N/A	9-5278	P4312-09	Intact
10	MYDB01	N/A	9-5279	P4312-10	Intact
11	MYDB02	N/A	9-5280	P4312-11	Intact
12	MYDB03	N/A	9-5281	P4312-12	Intact
13	MYDB04	N/A	9-5282	P4312-13	Intact
14	MYDB05	N/A	9-5283	P4312-14	Intact
15	MYDB07	N/A	9-5285	P4312-15	Intact
16	MYDB08	N/A	9-5286	P4312-16	Intact
17	MYDB09	N/A	9-5287	P4312-17	Intact
18	MYDB10	N/A	9-5288	P4312-18	Intact
19	MYDB11	N/A	9-5289	P4312-19	Intact
20	MYDB17	N/A	9-5295	P4312-20	Intact
21	MYDB17D	N/A	9-5295	P4312-21	Intact
22	MYDB17S	N/A	9-5295	P4312-22	Intact
23	N/A	N/A	N/A	N/A	N/A

### \* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	N/A
Date	10/4/24	Logbook Page No.	N/A

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

LAB NAME	Alliance Technical	l Group, LLC		
LAB CODE	ACE			
CONTRACT NO.	68HERH20D0011			
CASE NO.	51772	SDG NO.	MYDAZ2	
MA NO.	3225.1,3226.1	SOW NO.	SFAM01.1	_
				_

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

	PAGE	NOs:	CH	IECK
	FROM	TO	LAB	REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	3	<b>✓</b>	
3. Sample Log-In Sheet (DC-1)	4	4	<b>-</b> ✓	
4. CSF Inventory Sheet (DC-2)	5	7	<b>✓</b>	
5. SDG Narrative	8	17	<b>✓</b>	
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	394	✓	
Other Data				
10. Standard and Reagent Preparation Logs	395	546	✓	
11. Original Preparation and Cleanup forms or copies of Preparation and	547	548	✓	
Cleanup Logbooks  12. Original Analysis or Instrument Run forms or copies of Analysis or	549	571	✓	
Instrument Logbooks  13. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA_	_	
14. Extraction Logs for TCLP and SPLP	NA	NA	✓	
15 . Raw GPC Data	NA	NA	<b>✓</b>	
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	572	591	✓	
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	592	2547	✓	
Other Data				
19. Standard and Reagent Preparation Logs	2548	2688	✓	
20. Original Preparation and Cleanup forms or copies of Preparation and	2689	2690	<b>-</b> ✓	
Cleanup Logbooks 21. Original Analysis or Instrument Run forms or copies of Analysis or	2691	2709	<b>─</b> ✓	
Instrument Logbooks 22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	<u> </u>	
Instructions				

	PAGE 1	NOs:	СН	ECK
	FROM	TO	LAB	REGION
23. Extraction Logs for TCLP and SPLP	NA	NA		
24 . Raw GPC Data	NA	NA		
25 . Raw Florisil Data	NA	NA		
Analysis Forms and Data (Mercury)				
26. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA		
or sample analysis, laboratory QC as applicable 27. Instrument raw data by instrument in analysis order	NA .	NA	_	
Other Data				
28. Standard and Reagent Preparation Logs	NA	NA	<b>√</b>	
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	NA	NA		
Instrument Logbooks 31. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA	NA	✓	
Instructions 32. Extraction Logs for TCLP and SPLP	NA	NA	✓	
33 . Raw GPC Data	NA	NA	<b>√</b>	
34 . Raw Florisil Data	NA	NA	✓	
Analysis Forms and Data (Cyanide)				
35. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA	✓	
or sample analysis, laboratory QC as applicable 36. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
37. Standard and Reagent Preparation Logs	NA	NA	✓	
38. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	<b>✓</b>	
Cleanup Logbooks 39. Original Analysis or Instrument Run forms or copies of Analysis or	NA	NA	✓	
Instrument Logbooks 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample	NA_	NA	✓	
Instructions 41. Extraction Logs for TCLP and SPLP	NA	NA	✓	
42 . Raw GPC Data	NA	NA	<b>✓</b>	·
43 . Raw Florisil Data	NA	NA	✓	

	PAGE	NOs:	CH	HECK
	FROM	TO	LAB	REGION
Additional				
44. EPA Shipping/Receiving Documents				
Airbill (No. of Shipments)	2710	2710	✓	_
Sample Tags	NA	NA	_ ✓	_
Sample Log-In Sheet (Lab)	2711	2713	<b>✓</b>	
45. Misc. Shipping/Receiving Records(list all individual records)				
	NA	NA_		
46. Internal Lab Sample Transfer Records and Tracking Sheets				
(describe or list)				
	2714	2717	_ ✓	
47. Other Records and related Communication Logs				
(describe or list)	NA	NA		
		1421		- —
				- —
				- ——
48. Comments:				
Completed by: (CLP Lab) Nimisha Par	1 2	1 055'		
Winibila 1 at	ndya, Document Contro me & Title)	ol Officer	(Da	te)
Audited by:	,		,	,
(EPA)	6 M' 1 1			
(Signature) (Print Nar	ne & Title)		(Da	te)



### **SDG NARRATIVE**

USEPA
SDG # MYDAZ2
CASE # 51772
CONTRACT # 68HERH20D0011
SOW# SFAM01.1
LAB NAME: Alliance Technical Group, LLC
LAB CODE: ACE
LAB ORDER ID # P4312
MODIFIED ANALYSIS #3225.1, 3226.1

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

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

### **B.** Parameters

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

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

### C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 22.3°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.



### 284 Sheffield Street Mountainside, NJ 07092

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) = 
$$C \times Vf \times VF$$
  
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 MYDAZ2 For Antimony:**

If C = 0.0056679 ppm

Vf = 100 ml

W = 1.20g

S = 0.986(98.6/100)

DF = 2

Concentration (mg/kg) = 
$$0.0056679 \times \frac{100}{1.20 \times 0.986} \times 2$$

 $= \quad 0.95806 \ mg/kg$ 

= 0.96 mg/kg (Reported Result with Signification)

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

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

$$Concentration (mg/kg) = \quad C \ x \underline{\hspace{0.5cm} Vf \hspace{0.5cm}} x \ DF / 1000$$

Where,

C = Instrument value in ppb (The average of all replicate integrations)

Vf = Final digestion volume (mL)

W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)

S = % Solids / 100 (Fraction of Percent Solids)



### Mountainside, NJ 07092

DF = Dilution Factor

### **Example Calculation For Sample MYDAZ2 For Antimony:**

If C = ppb  

$$Vf = 500 \text{ ml}$$
  
 $W = 1.20 \text{ g}$   
 $S = 0.986(98.6/100)$   
 $DF = 1$   
Concentration (mg/kg) =  $x = \frac{500}{1.20 \times 0.986} \times 1/1000$   
= mg/kg  
= mg/kg (Reported Result with Signification)

### H. QA/QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Antimony, Arsenic, Selenium, Zinc. 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.

Internal Standard Association for ICP-MS analysis.

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



### 284 Sheffield Street Mountainside, NJ 07092

Modification 19	110 07072
Copper	45Sc
Lead	209Bi
Nickel	45Sc
Selenium	89Y
Silver	159Tb
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature	Name: Nımısha Pandya
Date	Title: Document Control Officer

Date: 09/04/2024	MA: 3225.0	<b>Title:</b> ICP-MS with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
Method Source: SFAM01.1	Method: ICP-MS	Laboratory QC

Matrix: Soil/Sediment

### **Summary of Modification**

The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-MS. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

### I. Analyte Modifications

Not applicable

### II. Calibration and QC Requirements

Not applicable

The Laboratory shall:

- Use the Method Detection Limits (MDLs) determined for routine soil analyses (i.e., Method 200.8) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.
- Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.
- Prepare a Matrix Spike spiked at three times the levels specified in the SOW.
- Prepare and analyze an additional Matrix Spike sample spiked at five times the levels specified for this Modified Analysis (i.e., 15x the levels specified in the SOW).
- Post-Digestion Spike requirements apply to the 5x Matrix Spike only.
- Post-Digestion Spike corrective actions apply to Sb.

### **III. Preparation and Method Modifications**

Not applicable

- Prepare and analyze the sample by EPA Draft Method 3050C as follows:
  - $\circ$  Mix sample thoroughly and transfer 1.00 1.50 g to a digestion vessel.
  - $\circ$  Add 10 mL 1:1 HNO<sub>3</sub> and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.
  - Add 5 mL concentrated HNO₃ and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.
  - Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - $\circ$  Cool sample, add 2mL water and 3 mL 30% H<sub>2</sub>O<sub>2</sub>. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% H<sub>2</sub>O<sub>2</sub> until effervescence is minimal.
  - o Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.
- The same sample extracts can be used for ICP-AES analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.
- Analyze the samples starting at an initial 5x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.
- Method Blanks, both LCSs, and all instrument QC are to be analyzed undiluted.

### **IV. Special Reporting Requirements**

Not applicable

- 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: 09/04/2024	<b>MA:</b> 3226.0	Title: ICP-AES with Modified Preparation
		Method and Analysis of Soils with Additional
		Laboratory QC
Method Source: SFAM01.1	Method: ICP-AES	

Matrix: Soil/Sediment

### **Summary of Modification**

The purpose of this modified analysis is to prepare samples by EPA Draft Method 3050C (see below) with additional modified LCS and Matrix Spikes and analyze for the scheduled target analytes by ICP-AES. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in the SOW listed in your current EPA agreement remain unchanged and in full force and effect.

### I. Analyte Modifications

Not applicable

### II. Calibration and QC Requirements

Not applicable

The Laboratory shall:

- Use the Method Detection Limits determined for routine soil analyses (i.e., Method 3050B) to report the results for these analyses. The Laboratory is NOT required to perform an MDL study for Draft Method 3050C.
- Prepare and analyze an additional Laboratory Control Sample (LCS) spiked at the CRQL. Percent Recovery limits do NOT apply to this LCS and no corrective actions are required.
- Prepare a Matrix Spike spiked at two times the levels specified in the SOW.
- Post-Digestion Spike requirements apply to the 2x Matrix Spike.
- Post-Digestion Spike corrective actions apply to Sb.

### **III. Preparation and Method Modifications**

Not applicable

- Prepare and analyze the sample by EPA Draft Method 3050C as follows:
  - $\circ$  Mix sample thoroughly and transfer 1.00 1.50 g to a digestion vessel.
  - $\circ$  Add 10 mL 1:1 HNO<sub>3</sub> and 5 mL 1:1 HCl, heat the sample at 95°C (±3°C) and reflux 10 -15 minutes.
  - Add 5 mL concentrated HNO₃ and reflux for 30 minutes at 95°C (±3°C), repeat until digestion complete.
  - o Concentrate sample to 5 mL or reflux without boiling for 2 hours at 95°C (±3°C).
  - $\circ$  Cool sample, add 2mL water and 3 mL 30% H<sub>2</sub>O<sub>2</sub>. Heat at 95°C (±3°C) and add additional 1 mL aliquots of 30% H<sub>2</sub>O<sub>2</sub> until effervescence is minimal.
  - Dilute to 100 mL with water, centrifuge or filter as necessary prior to analysis.
- The same sample extracts can also be used for ICP-MS analysis. Separate Matrix Spikes and LCS will need to be prepared for both ICP-AES and ICP-MS analyses.
- Analyze the samples starting at an initial 2x dilution. Subsequently, dilute samples as necessary to bring the analyte concentrations within the calibration range of the instrument per the SOW.
- Verify that the dilution was adequate to reduce interferents to within the method calibration range. This can optionally be verified by visual verification of the spectrogram or by analysis of a serial dilution. There are other acceptable means to provide assurance, e.g. some software may automatically provide guidance to the analyst.
- Method Blanks, both LCS, and all instrument QC are to be analyzed undiluted.

### **IV. Special Reporting Requirements**

Not applicable

- 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}		1	Fe	-0.000064	0.000000	No
TI 190.856 {477}	$\boxtimes$	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}	X	6	Мо	-0.001480	0.000000	No
			Al	-0.000075	0.000000	No
<u> </u>	***************************************	:	Cu	0.001400	0.000000	No
i	***************************************		Fe	0.000030	0.000000	No
	***************************************		Mn	0.000340	0.000000	No
	***************************************		Ni	0.000630	0.000000	No
Se 196.090 {472}	Ø	3	Fe	-0.000308	0.000000	No
			Mn	0.000470	0.000000	No
			Со	-0.000630	0.000000	No
Sb 206.833 {463}	Ø	4	Cr	0.010700	0.000000	No
		<u> </u>	V	-0.001168	0.000000	No
			Мо	-0.002850	0.000000	No
	14111414141414141414141414141414		Ni	-0.000440	0.000000	No
Al 396.152 { 85}	X	1	Мо	0.037230	0.000000	No
Ba 493.409 { 68}		None		0.007200	0.000000	1110
Be 234.861 {144}		3	Мо	-0.000320	0.000000	No
			Fe	0.000010	0.000000	No
	***************************************		Mn	-0.000047	0.000000	No
Cd 214.438 {457}	$\boxtimes$	1	Fe	0.000047	0.000000	No
Ca 373.690 { 90}	<u></u>	None	1.5	0.000040	0.000000	INO
Cr 267.716 {126}			Mn	0.000160	0.000000	No
Co 228.616 {448}		1				
00 220.010 (440)		2	Ti	0.001840	0.000000	No
Cu 324.754 {104}			Mo	-0.001230	0.000000	No
Cu 324.734 {104}		4	Co	-0.000796	0.000000	No
			Fe	-0.000100	0.000000	No
		<u> </u>	Mn	0.000345	0.000000	No
F- 050 007 (400)			Ni	0.000895	0.000000	No
Fe 259.837 {130}		None				
Mn 257.610 {131}	<u> </u>	1	Ni Ni	0.000897	0.000000	No
Mg 279.079 {121}		None				
Ni 231.604 {446}		None			<b></b>	
Ag 328.068 {103}	$\square$	3 [	Fe	-0.000100	0.000000	No
			Mn	0.000146	0.000000	No
			V	-0.000889	0.000000	No
Na 818.326 { 41}		None			į	Į
V 292.402 {115}		2	Мо	-0.008480	0.000000	No
	<u></u>	<u>.</u>	Cr	-0.002220	0.000000	No
Zn 206.200 {464}		None				
Zn 213.856 {158}		1 [	Ni	0.007280	0.000000	No
< 769.896 { 44}		None				
P 177.495 {490}		2	Ni	0.001640	0.000000	No
		i i	Cu	-0.012530	0.000000	No
3 249.678 {135}		3	Со	0.002880	0.000000	No
	<u> </u>		V	-0.002000	0.000000	No
	Ī	·····	Fe	-0.001360	0.000000	No
Ло 202.030 {467}		None				
§ 182.034 {485}	X	2	Мо	-0.008000	0.000000	No
	K		Mn	0.002700	0.000000	No

Element, Wavelength an Order	d 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		· · · · · · · · · · · · · · · · · · ·		
Ti 336.121 {100}	$\square$	1	Ni	-0.001000	0.000000	No
Li 670.784 { 50}		None		İ		· · · · · · · · · · · · · · · · · · ·
Y 224.306 {450}*		None			*	
Y 360.073 { 94}*		None			·•	·
Y 371.030 { 91}*		None				
Y 224.306 {150}*		None			. <u></u>	<u> </u>
In 230.606 {446}*		None	***************************************	***************************************		
Sr 407.771 { 83}		None	***************************************	***************************************	<u> </u>	<u>:</u>



OVENTEMP IN Celsius(°C): 107

### PERCENT SOLID

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

OVENTEMP OUT Celsius(°C): 103

Time OUT: 07:40

Time IN: 13:25 In Date: 10/09/2024Out Date: 10/10/2024

Weight Check 1.0g: 1.00 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 BalanceID: M SC-4

Thermometer ID: % SOLID- OVEN

**qc:**LB132843

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
P4312-01	MYDAZ2	1	1.15	8.35	9.5	9.38	98.6	
P4312-02	MYDAZ3	2	1.18	8.53	9.71	9.51	97.7	
P4312-03	MYDAZ4	3	1.11	8.58	9.69	9.47	97.4	
P4312-04	MYDAZ5	4	1.17	8.64	9.81	9.63	97.9	
P4312-05	MYDAZ6	5	1.15	8.40	9.55	9.26	96.5	
P4312-06	MYDAZ7	6	1.15	8.46	9.61	9.47	98.3	
P4312-07	MYDAZ8	7	1.15	8.48	9.63	9.47	98.1	
P4312-08	MYDAZ9	8	1.15	8.48	9.63	9.44	97.8	
P4312-09	MYDB00	9	1.15	8.35	9.5	9.24	96.9	
P4312-10	MYDB01	10	1.13	8.56	9.69	9.4	96.6	
P4312-11	MYDB02	11	1.18	8.45	9.63	9.42	97.5	
P4312-12	MYDB03	12	1.15	8.47	9.62	9.44	97.9	
P4312-13	MYDB04	13	1.15	8.80	9.95	9.64	96.5	
P4312-14	MYDB05	14	1.15	8.37	9.52	9.27	97.0	
P4312-15	MYDB07	15	1.15	8.44	9.59	9.44	98.2	
P4312-16	MYDB08	16	1.15	8.35	9.5	9.39	98.7	
P4312-17	MYDB09	17	1.17	8.58	9.75	9.58	98.0	
P4312-18	MYDB10	18	1.17	8.40	9.57	9.34	97.3	
P4312-19	MYDB11	19	1.16	8.55	9.71	9.44	96.8	
P4312-20	MYDB17	20	1.14	8.47	9.61	9.51	98.8	
P4312-21	MYDB17D	21	1.14	8.47	9.61	9.51	98.8	
P4312-22	MYDB17S	22	1.14	8.47	9.61	9.51	98.8	

# WORKLIST(Hardcopy Internal Chain)

%1-p4312 WorkList Name:

WorkList ID: 184275

Department: Wet-Chemistry

Date: 10-09-2024 12:13:00 Charel an

					•			20:01:3
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method	Method
P4312-01	MYDAZ2	Solid	Percent Solids	Cool 4 deg C	USEP01	Δ11	Acociociao	d de de
P4312-02	MYDAZ3	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemitech - SC
P4312-03	MYDAZ4	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Oc-Ilbalillacii
P4312-04	MYDAZ5	Solid	Percent Solids	Cool 4 deg C	USEP01	Δ11	06/20/2024	Chemiech -50
P4312-05	MYDAZ6	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemiech - SO
P4312-06	MYDAZ7	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech C
P4312-07	MYDAZ8	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech - O
P4312-08	MYDAZ9	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech - SO
P4312-09	MYDB00	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chamtach -S.
P4312-10	MYDB01	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech -SO
P4312-11	MYDB02	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech -SO
P4312-12	MYDB03	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech - CO
P4312-13	MYDB04	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtach - CO
P4312-14	MYDB05	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech -SO
P4312-15	MYDB07	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech -SO
P4312-16	MYDB08	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech -SO
P4312-17	MYDB09	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtach -80
P4312-18	MYDB10	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	do d
P4312-19	MYDB11	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemileus - 30
P4312-20	MYDB17	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Crientiecii - SC
P4312-21	MYDB17D	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/20/2024	Chemtech -SO
	, , , , , ,							

Raw Sample Relinquished by: Date/Time 10 09 24 Raw Sample Received by:

Page 1 of 2

Raw Sample Relinquished by: Raw Sample Received by: Date/Time 10109(1)

# WORKLIST(Hardcopy Internal Chain)

WorkList ID: 184275 %1-p4312 WorkList Name:

Department: Wet-Chemistry

06/20/2024 Chemtech -SO

A11

USEP01

Cool 4 deg C

Percent Solids

Solid

MYDB17S

P4312-22

Collect Date Method

Raw Sample

Storage Location

Customer

Preservative

Test

Matrix

**Customer Sample** 

Sample

Date: 10-09-2024 12:13:00 CH82843

Raw Sample Received by: Date/Time 10 09 121

Raw Sample Relinquished by:

12 Carci

(3/30

Page 2 of 2

Raw Sample Relinquished by:

Date/Time 10/09/24 Raw Sample Received by: