SDG COVER PAGE

Lab Name:	Alliance	Technical Group, LLC	Contract	: 68HERH20D	0011	
Lab Code:	ACE	Case No.: 51772	MA No.:	3225.1,3226	.1	SDG No.: MYDAN1
SOW No. :	SFAM01.1					
EPA Sample	No.	Lab Sample Id	ICP-AES	Analysis ICP-MS	Method Mercury	Cyanide
MYDAN1		P4308-01	X	Х		
MYDAN1D		P4308-02	Х	Х		
MYDAN1S		P4308-03	Х	Х		
MYDAP0		P4308-04	X	Х		
MYDAP1		P4308-05	Х	Х		
MYDAP6		P4308-06	X	Х		
MYDAP7		P4308-07	X	Х		
MYDAP8		P4308-08	Х	Х		
MYDAP9		P4308-09	Х	Х		
MYDAQ0		P4308-10	X	Х		
MYDAQ1		P4308-11	Х	Х		
MYDAQ2		P4308-12	Х	Х		
MYDAQ3		P4308-13	Х	Х		
MYDAQ4		P4308-14	Х	Х		
MYDAQ5		P4308-15	Х	Х		
MYDAQ7		P4308-16	X	Х		
MYDAQ8		P4308-17	Х	Х		
mydaq9		P4308-18	X	Х		
mydar0		P4308-19	X	Х		
MYDAR1		P4308-20	Х	X		
MYDAR2		P4308-21	X	X		
MYDAR3		P4308-22	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:

Seal Infact	No tend	هم در ۲					CHAR .	LAB
2.7	Tl-Cont	L71201	8	160	WESTER	Charmen WE		SHIP TO
		+	Received by (Signature and Organization)		rganization)	Relinquished by (Signature and Organization)	Relinguished t	Items/Reason
n Upon Receipt	Sample Condition Upon Receipt	Date/Time				ES 11+Metals	AES 11=ICP-A	Analysis Key: ICP-AES 11=ICP-AES 11+Metals
Custody #	d From Chain of	Samples Transferred From Chain of Custody #	Sample(s) to be used for Lab QC: 90298-D-0009-03 Tag 9-5177, 90298-E-0007-03 Tag 9-5179 - Opcour international and the second state of the second	35,Se,TI,V,Zn ICP-MS 11+ M	ag 9-5177, 90 Mn,Na,Ni,Pb,S	90298-D-0009-03 T ,Co,Cr,Cu,Fe,K,Mg,I	ed for Lab QC: s,Ba,Be,Ca,Cd, TI, V, Zn	Sample(s) to be us 11+Metals:Ag,Al,A Cu, Ni, Pb, Sb, Se
	Complete? N	Shipment for Case Complete? N	Special Instructions: ICP-AES	0000 F 0007 00 Too 0 5170				
					Grab	Soil/ REAC	MYDAP8	90298-B-0006-01
6	06/19/2024 10:51	90298-B-0006 0	9-5196 (None) (1)	ICP AES 11(21)	Grab	Soil/ REAC	MYDAP7	90298-E-0003-01
-5	06/19/2024 13:41	-	9-5195 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAP6	90298-E-0010-02
2	06/19/2024 13:40	-	9-5194 (None) (1)	ICP-MED 11(21)	Grab	Soil/ REAC	MYDAP1	90298-C-0010-01
۲	-		9-5189 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAPO	90298-C-0005-01
م	_	-	0.5188 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAN9	90298-C-0004-01
	06/19/2024 11:09	-	0.5187 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAN8	90298-B-0001-01
	06/19/2024 10:50	-	9-5186 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAN7	90298-B-0004-01
	06/19/2024 10:49	+	9-0104 (None) (1)	ICP-AES 11(21)	Grab	Sail/ REAC	MYDAN6	00208_R-0010-01
	06/19/2024 10:46	-	9-5183 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAN5	90290-1-0000-01 00298-D-0004-01
	06/19/2024 11:13	-		ICP-AES 11(21)	Grab	Soil/ ERT	MYDAN4	90290-C-0000-01
	06/19/2024 14:36	0000-2-86206	9-5181 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAN3	90298-A-0004-01
	06/19/2024 10:55	+	9-5180 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAND	90298-E-0007-03
1	06/10/2027 17:10	+	9-5179 (None) (1)	ICP-AES 11(21)	Grab	Soil/ ERT	MITDANO	90298-D-0010-01
	06/19/2024 10:20	-	9-5178 (None) (1)	ICP-AES 11(21)	Grab	Soil/ REAC	MYDAND	90298-D-0009-03
	06/10/2024 10:20	+	9-5177 (None) (1)	ICP-AES 11(21)	Grab		MYDAMO	90298-D-0001-01
	06/19/2024 10.29	-	9-5176 (None) (1)	ICP-AES 11(21)	Grah		Sample No.	
Only	-		Tag/Preservative/Bottles	Analysis/Turnaround (Davs)	Coll.	Matrix/Sampler	CLP	Sample Identifier
		_	72-076	Cooler #: 51772-076			^ 7 5244	Carriernanie: reach AirbillNo: 7790 0057 5244
untact: Mohammad Anmed Lab Phone: 908-728-3151	Lab Contact: Mohammad Anmed Lab Phone: 908-728-3151		772	Case #: 51772			2024	DateShipped: 10/3/2024
cal Group LLC	Lab: Alliance Technical Group LLC	La					LAB COPY)	USEPA CLP COC (LAB COPY)
0100-14477	NO: 9-062024-122447-0070	2	Y RECORD	CHAIN OF CLISTODY RECORD				Page 5 01 5

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SDG # MYDAN1

No: 9-062024-122447-0076

Page 3 of 3

)24 5575			Case #: 51772 Cooler #: 51772-077	72 2-077		Lab Contact: Mohammad Ahmed Lab Phone: 908-728-3151	ontact: Mohammad Ahmed Lab Phone: 908-728-3151
CLP	Matrix/Sampler	Coll.	Analysis/Turnaround	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
Sample No.		Method	(Days)	0_5197 (None) (1)	90298-F-0002	06/19/2024 13:57	Ĵ.
MYDAP9	Soil/ REAC	Grab	ICP-AES TT(ZT)	9-51-57 (North) (4)	00202-E-0009	N6/19/2024 13:42 S	\$
MYDAQ0	Soil/ REAC	Grab	ICP-AES 11(21)	9-5198 (None) (1)	90290-E-0009	00/10/2021 10:53	9
MYDAO1	Soil/ ERT	Grab	ICP-AES 11(21)	9-5199 (None) (1)	90298-E-0000	00/10/2024 17.00	5
MYDA02	Soil/ REAC	Grab	ICP-AES 11(21)	9-5200 (None) (1)	90299-A-0005	00/19/2024 10.00	- 10
MYDAO3	Soil/ REAC	Grab	ICP-AES 11(21)	9-5201 (None) (1)	C000-8-66706	00/19/2024 11.00	
MYDAO4	Soil/ REAC	Grab	ICP-AES 11(21)	9-5202 (None) (1)	8000-8-66206	00/19/2024 11.0/	1
MYDAQ5	Soil/ REAC	Grab	ICP-AES 11(21)	9-5203 (None) (1)	2000 2 66206	06/10/2024 11.00	
MYDAQ6	Soil/ REAC	Grab	ICP-AES 11(21)	9-5204 (None) (1)	00000 D 0002	06/10/2024 11:30	i.
MYDAQ7	Soil/ REAC	Grab	ICP-AES 11(21)	9-5205 (None) (1)	90299-B-0007	06/19/2024 11:25	5
MYDAQ8	Soil/ REAC	Grab	ICP-AES 11(21)	9-5206 (None) (1)	00299-0-0001	06/19/2024 11:23	16
MYDAQ9	Soil/ REAC	Grab	ICP-AES 11(21)	9-5207 (None) (1)	90299-D-0010	06/10/2024 11:21	3
MYDARO	Soil/ REAC	Grab	ICP-AES 11(21)	9-5208 (None) (1)	00000 D 0000	06/10/2021 11:21	\$
MYDAR1	Soil/ REAC	Grab	ICP-AES 11(21)	9-5209 (None) (1)	6000-9-66706	00/19/2024 11.11	à
MYDAR?	Soil/ REAC	Grab	ICP-AES 11(21)	9-5210 (None) (1)	90299-B-0003	06/19/2024 11.10	
MYDAR3	Soil/ REAC	Grab	ICP-AES 11(21)	9-5211 (None) (1)	90299-C-0006	06/19/2024 10:33	8
	Soil DEAC	Grah	ICP-AES 11(21)	9-5212 (None) (1)	90299-A-0009	06/19/2024 10:55	
WIT DO WAT		-	100 000 14/04/	9-5213 (None) (1)	90299-D-0007	06/19/2024 14:10	

90299-B-0002-01

90299-B-0008-01 90299-B-0005-01

90299-B-0010-01 90299-B-0001-01 90299-B-0007-01 90299-B-0006-03

90299-B-0004-01

90299-A-0002-01 90299-D-0007-01 90299-A-0009-02 90299-C-0006-01 90299-B-0003-01 90299-B-0009-01

MYDAR7 **MYDAR6 MYDAR5** MYDAR4

> Soil/ REAC Soil/ REAC

> > Grab

Grab Grab

> ICP-AES 11(21) ICP-AES 11(21)

ICP-AES 11(21)

9-5215 (None) (1) 9-5214 (None) (1) 9-5213 (None) (1)

> 90299-A-0002 90299-D-0007

06/19/2024 10:58 06/19/2024 14:15

06/19/2024 10:58

90299-A-0006

Soil/ REAC

90299-A-0005-01 90298-E-0006-01 90298-E-0009-01 90298-F-0002-01

CHAIN OF CUSTODY RECORD

Lab: Alliance Technical Group LLC SDG # MYDAN1 No: 9-062024-122449-0077 hmed

Page 1 of 3

USEPA CLP COC (LAB COPY) DateShipped: 10/3/2024

AirbillNo: 7790 0057 55 CarrierName: FedEx

Sample Identifier

S

Date/Time Sample Condition Upon Receipt

42-4-01 626

21.4-

No Temp Blank

Custed Seal Intact

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

SHIP TO

LAB

Items/Reason

Relinquished by (Signature and Organization)

10/3/24 0 1600

Date/Time

Received by (Signature and Organization)

LANDAN WESTON

Cu, Ni, Pb, Sb, Se, TI, V, Zn	Sample(s) to be used for Lab QC: 90299-B-0006-03 Tag 9-5204 - Special instructions: ICF-AES 11+Metals:Aq,AI,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,TI,V,Zn ICP-MS 11+ Metals: Ag, As, Ba,Be, Cd, Co, Cr, Samples Tr	
	Co, Cr, Samples Transferred From Chain of Custody #	Shipment for Case Complete? N

2 1 Sa 90299-A-0006-01

68HERH20D0011

FORM DC-1

SAMPLE LOG-IN SHEET

Lab Name : Alliance Technical Group, LLC Page 1 of 2									
Received By (Pr	int Name (essen	a H	2	- Kerie			Log-in Date	10/4/20	24
Received By (Si									
Case Number	51772	SD	DG M	No. MYDAN	11		MA No. 32	25.1,3226.1	
							·		
Remarks:							Correspondir	ng	
1. Custody Seal (s)	Present, Intact				Aqueous				Remarks: Condition
2. Custody Seal Nos.	<u>n/a</u>			EPA Sample #	Water Sample pH	Sam Tag	-	Assigned	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present		1	MYDAN1	N/A	9-5179		P4308-01	Intact
Custody Records			2	MYDAN1D	N/A	9-5179		P4308-02	Intact
4. Airbill			3	MYDAN1S	N/A	9-5179		P4308-03	Intact
4. Anom	Present		4	MYDAPO	N/A	9-5188		P4308-04	Intact
5. Airbill No. and	779000575244		5	MYDAP1	N/A	9-5189		P4308-05	Intact
Shipping Container ID No.	1	6	6	MYDAP6	N/A	9-5194		P4308-06	Intact
			7	MYDAP7	N/A	9-5195		P4308-07	Intact
 Shipping Container Temperature 	Absent	8	8	MYDAP8	N/A	9-5196		P4308-08	Intact
Indicator Bottle		4)	N/A	N/A	N/A		N/A	N/A
7. Shipping Container	21.7 Degree C	1	10	N/A	N/A	N/A		N/A	N/A
Temperature	<u>21.7 Bogico o</u>		11	N/A	N/A	N/A		N/A	N/A
8. Sample	Intact	1	12	N/A	N/A	N/A		N/A	N/A
Condition		1	13	N/A	N/A	N/A		N/A	N/A
		1	14	N/A	N/A	N/A		N/A	N/A
9. Sample Tags	Absent		.5	N/A	N/A	N/A		N/A	N/A
Sample Tag Numbers	Listed on Traffic	1	6	N/A	N/A	N/A		N/A	N/A
	Report	1	7	N/A	N/A	N/A		N/A	N/A
 Does information on Traffic 	Yes	1	.8	N/A	N/A	N/A		N/A	N/A
Reports/Chain of		1	9	N/A	N/A	N/A		N/A	N/A
Custody Records and Sample Tags		2	20	N/A	N/A	N/A		N/A	N/A
agree ?		2	1	N/A	N/A	N/A		N/A	N/A
11. Date Received at	10/04/2024	2	2	N/A	N/A	N/A		N/A	N/A
Lab		2	3	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:39								

* Contact SMO and attach record of resolution

Reviewed By	0L	Logbook No.	N/A	
Date	10/4/24	Logbook Page No.	N/A	

FORM DC-1 SAMPLE LOG-IN SHEET

	iance Technical Grou	-				Page_2_o		
Received By (Pr	- Caroly 9	Ingre	- Keri			Log-in Dat	te 10/4/20	24
Received By (Si		\leq						
Case Number	51772	SDG	No. MYDA	AN1		MA No.	3225.1,3226.1	
	1		1		1			1
Remarks:		_				Correspond	ing	
1. Custody Seal (s)	Present, Intact			Aqueous				Remarks: Condition
2. Custody Seal	n/a	_		Water			Accienced	of Sample Shipment,
Nos.		-	EPA Sample #	Sample	Sam Tag	-	Assigned	etc.
3. Traffic	Present	1	· · · · · · · · · · · · · · · · · · ·	pH		#		
Reports/Chain Of Custody Records		1	MYDAP9	N/A	9-5197		P4308-09	Intact
		2	MYDAQ0	N/A	9-5198		P4308-10	Intact
4. Airbill	Present	3	MYDAQ1	_	9-5199		P4308-11	Intact
e: +		4	MYDAQ2		9-5200		P4308-12	Intact
5. Airbill No. and	779000575575	- 5	MYDAQ3	N/A	9-5201		P4308-13	Intact
Shipping Container ID No.	2	6	MYDAQ4	N/A	9-5202		P4308-14	Intact
6. Shipping Container		7	MYDAQ5	N/A	9-5203		P4308-15	Intact
Temperature	Absent	8	MYDAQ7	N/A	9-5205		P4308-16	Intact
Indicator Bottle		9	MYDAQ8	N/A	9-5206		P4308-17	Intact
7. Shipping Container	21.4 Degree C	10	MYDAQ9	N/A	9-5207		P4308-18	Intact
Temperature	21.4 Degree C	- 11	MYDAR0	N/A	9-5208		P4308-19	Intact
8. Sample	Intact	12	MYDAR1	N/A	9-5209		P4308-20	Intact
Condition		13	MYDAR2	N/A	9-5210		P4308-21	Intact
		14	MYDAR3	N/A	9-5211		P4308-22	Intact
9. Sample Tags	Absent	15	N/A	N/A	N/A		N/A	N/A
Sample Tag Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
	Report	17	N/A	-	N/A		N/A	N/A
10. Does information	Yes	18	N/A	N/A	N/A			N/A
on Traffic Reports/Chain of		19	N/A		N/A			N/A
Custody Records			N/A		N/A			N/A
and Sample Tags agree ?			N/A		N/A		+ + + + + + + + + + + + + + + + + + + +	N/A
11. Date Received at	+		N/A		N/A			N/A
Lab	10/04/2024		N/A	++	N/A		+	N/A
2.Time Received	09:39		INA		N/A		IN/A	N/A

* Contact SMO and attach record of resolution

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

1

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

Alliance Technical	Group, LLC	
ACE		
68HERH20D0011		
51772	SDG NO.	MYDAN1
3225.1,3226.1	SOW NO.	SFAM01.1
-	ACE 68HERH20D0011 51772	68HERH20D0011 51772 SDG NO.

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

		PAGE FROM	NOs: TO	<u>CH</u> LAB	ECK REGION
1.	SDG Cover Page	1	1	~	
2.	Traffic Report/Chain of Custody Record(s)	2	3	✓	
з.	Sample Log-In Sheet (DC-1)	4	5	~	
4.	CSF Inventory Sheet (DC-2)	6	8	✓	
5.	SDG Narrative	9	18	~	
6.	Communication Logs	NA	NA	~	
7.	Percent Solids Log	19	21	✓	
Ana	lysis Forms and Data (ICP-AES)				
8.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	22	41		
9.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	42	392	✓	
Oth	er Data				
10.	Standard and Reagent Preparation Logs	393	544		
11.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	545	546	✓	
12.	Original Analysis or Instrument Run forms or copies of Analysis or	547	555	_ ✓	
13.	Instrument Logbooks Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA		
14.	Extraction Logs for TCLP and SPLP	NA	NA	✓	
15.	Raw GPC Data	NA	NA	✓	
16.	Raw Florisil Data	NA	NA	✓	
Ana	lysis Forms and Data (ICP-MS)				
17.	Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	556	575	✓	
18.	or sample analysis, laboratory QC as applicable Instrument raw data by instrument in analysis order	576	1637	✓	
Oth	er Data				
19.	Standard and Reagent Preparation Logs	1638	1777	_ ✓	
20.	Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	1778	1779	✓	
21.	Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	1780	1798	✓	
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	✓	
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30. Original Analysis or Instrument Run forms or copies of Analysis or NA NA<		NA	NA	✓	
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37. Standard and Reagent Preparation Logs NA NA ✓ 38. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks NA NA ✓ 39. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks NA NA ✓ 40. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions NA NA ✓ 41. Extraction Logs for TCLP and SPLP NA NA ✓ 42. Raw GPC Data NA NA ✓		NA	NA	✓	
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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	✓	
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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	ECK
		FROM	TO	LAB	REGION
Addition 44. EPA	nal A Shipping/Receiving Documents				
Air	bill (No. of Shipments)	1799	1800	✓	
Sam	ple Tags	NA	NA	✓	
Sam	ple Log-In Sheet (Lab)	1801	1803	✓	
45. Mis	c. Shipping/Receiving Records(list all individual records)	NA	NA	_√	
	ernal Lab Sample Transfer Records and Tracking Sheets escribe or list)	1804	1807	_ ✓	
	er Records and related Communication Logs escribe or list)	NA	NA		
48. Com	ments:				·
Complet (CLP La	ab) Nimisha Pandya, Do		Officer	(Det	
Audited (EPA)	(Signature) (Print Name & Ti d by: (Signature) (Print Name & Ti			(Dat	
	(Signacure) (Print Name & Ti	LTE)		(Dat	20)



284 Sheffield Street Mountainside, NJ 07092

SDG NARRATIVE

USEPA SDG # MYDAN1 CASE # 51772 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # P4308 MODIFIED ANALYSIS #3225.1, 3226.1

A. Number of Samples and Date of Receipt

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

B. Parameters

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

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

C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 21.7°C, 21.4°C

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

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

E. Corrective Action taken for above:

Resolution 1 : To maintain COC integrity, ASB requests no changes to the Sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method SFAM01.1.



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Inter Element correction factors (IECs) are determined annually and correction factor are applied during ICP-AES analysis.

G. Calculation:

Calculation for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

Concentration (mg/kg) = $C \times \frac{Vf}{W \times S} \times DF$

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 MYDAN1 For Antimony:

If C = 0.0078516 ppm Vf = 100 ml W = 1.08gS = 0.978(97.8/100)DF = 2

Concentration (mg/kg) = $0.0078516 \times \frac{100}{1.08 \times 0.978} \times 2$

= 1.4867 mg/kg

= 1.5 mg/kg (Reported Result with Signification)

Calculation for ICP-MS Soil Sample:

Conversion of Results from $\mu g / L$ or ppb to mg/kg :

Concentration (mg/kg) = $C \times \frac{Vf}{W \times S} \times \frac{DF}{1000}$

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)



284 Sheffield Street Mountainside, NJ 07092 DF = Dilution Factor

Example Calculation For Sample MYDAN1 For Antimony :

If C = 1.56 ppb Vf = 500 ml W = 1.08 g S = 0.978(97.8/100) DF = 1 Concentration (mg/kg) = 1.56 x $\frac{500}{1.08 \times 0.978}$ x 1 / 1000 = 0.7384 mg/kg = 0.74 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, Spike sample(MYDAM9SRE) did meet requirements except for Lead, Silver, Spike sample (MYDAM9S)did meet requirements except for 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.

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

Internal Standard Association for ICP-MS analysis.



284 Sheffield Street Mountainside, NJ 07092

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

Name: Nimisha Pandya

Date _____

Title: Document Control Officer

	MA: 3225.1	Title: ICP-MS with Modified Preparation Method and Analysis of Soils with Additional Laboratory QC
Method Source: SFAM01.1	Method: ICP-MS	
Matrix: Soil/Sediment		
Summary of Modification		
with additional modified LCS and Unless specifically modified by th	Matrix Spikes and an is modification, all an	nples by EPA Draft Method 3050C (see below) alyze for the scheduled target analytes by ICP-MS. alyses, Quality Control (QC), and reporting ant EPA agreement remain unchanged and in full
I. Analyte Modifications		Not applicable 🔀
II. Calibration and QC Requirem	ents	Not applicable
Recovery limits do NOT aPrepare a Matrix Spike sp	pply to this LCS and n piked at three times the dditional Matrix Spike	Control Sample (LCS) spiked at the CRQL. Percent to corrective actions are required. he levels specified in the SOW. e sample spiked at five times the levels specified
 Post-Digestion Spike corr 		e 5x Matrix Spike only.
Post-Digestion Spike corr III. Preparation and Method Mod	ective actions apply t	e 5x Matrix Spike only.

IV. Special Reporting Requirements

The Laboratory shall:

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

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

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

IV. Special Reporting Requirements

The Laboratory shall:

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

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	K2	Calc-in-fit
	As 189.042 {479}	\boxtimes	1	Fe	-0.000064	0.000000	No
	TI 190.856 {477}	X	5	Мо	-0.002450	0.000000	No
				Co	0.002248	0.000000	No
			····	Ti	-0.000500	0.000000	No
				Mn	0.000370	0.000000	No
				V	-0.012340	0.000000	No
	Pb 220.353 {453}	M	6	Мо	-0.001480	0.000000	No
				Al	-0.000075	0.000000	No
				Cu	0.001400	0.000000	No
				Fe	0.000030	0.000000	No
				Mn	0.000340	0.000000	No
				Ni	0.000630	0.000000	No
	Se 196.090 {472}		3	Fe	-0.000308	0.000000	No
			1	Mn	0.000470	0.000000	No
			•	Co	-0.000630	0.000000	No
	Sb 206.833 {463}	\boxtimes	4	Cr	0.010700	0.000000	No
	00 200:000 [100]	<u> </u>		V	-0.001168	0.000000	No
				Mo	-0.002850	0.000000	No
				Ni	-0.002850		
	AI 396.152 { 85}		4	å		0.000000	No
	Ba 493.409 { 68}		Nono	Мо	0.037230	0.000000	No
	Be 234.861 {144}	H	None	Ma	0.000000	0.000000	. NI-
	De 234.001 {144}	X	3	Mo	-0.000320	0.000000	No
		******		Fe	0.000010	0.000000	No
	CH 214 420 (457)	57	4	Mn	-0.000047	0.000000	No
****	Cd 214.438 {457}	<u> </u>	1	Fe	0.000040	0.000000	No
	Ca 373.690 { 90}		None				
****	Cr 267.716 {126}	<u> </u>	1	Mn	0.000160	0.000000	No
	Co 228.616 {448}		2	Ti	0.001840	0.000000	No
į				Мо	-0.001230	0.000000	No
	Cu 324.754 {104}		4	Co	-0.000796	0.000000	No
ļ				Fe	-0.000100	0.000000	No
ļ				Mn	0.000345	0.000000	No
				Ni	0.000895	0.000000	No
	Fe 259.837 {130}		None				
ļ	Vn 257.610 {131}		1	Ni	0.000897	0.000000	No
*****	Vg 279.079 {121}		None				
	Ni 231.604 {446}		None				
1	Ag 328.068 {103}	\boxtimes	3	Fe	-0.000100	0.000000	No
1				Mn	0.000146	0.000000	No
				V	-0.000889	0.000000	No
1	Na 818.326 { 41}		None			1	<u> </u>
1	/ 292.402 {115}	\boxtimes	2	Мо	-0.008480	0.000000	No
Ī				Cr	-0.002220	0.000000	No
Z	n 206.200 {464}		None				*·····
Z	n 213.856 {158}		1 1	Ni	0.007280	0.000000	No
K	(769.896 { 44 }		None				·····
	177.495 {490}		2	Ni	0.001640	0.000000	No
1	<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	
2 14					+		
	182.034 {485}		2	Mo	-0.008000	0.000000	No

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

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PERCENT SOLID

Supervisor: Iwona Analyst: jignesh Date: 10/8/2024

OVENTEMP IN Celsius (°C): 107 Time IN: 15:55 In Date: 10/07/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 OvenID: M OVEN#1 OVENTEMP OUT Celsius (°C): 103 Time OUT: 08:15 Out Date: 10/08/2024 Weight Check 1.0g: 1.00 Weight Check 10g: 10.00 BalanceID: M SC-4 Thermometer ID: % SOLID- OVEN

QC:LB132809

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
P4308-01	MYDAN1	1	1.13	8.59	9.72	9.53	97.8	
P4308-02	MYDAN1D	2	1.13	8.59	9.72	9.53	97.8	
P4308-03	MYDAN1S	3	1.13	8.59	9.72	9.53	97.8	
P4308-04	MYDAP0	4	1.13	8.54	9.67	9.59	99.1	
P4308-05	MYDAP1	5	1.16	8.64	9.8	9.65	98.3	
P4308-06	MYDAP6	6	1.19	8.55	9.74	9.7	99.5	
P4308-07	MYDAP7	7	1.15	8.43	9.58	9.51	99.2	
P4308-08	MYDAP8	8	1.15	8.44	9.59	9.51	99.1	
P4308-09	MYDAP9	9	1.14	8.42	9.56	9.5	99.3	
P4308-10	MYDAQ0	10	1.13	8.68	9.81	9.75	99.3	
P4308-11	MYDAQ1	11	1.15	8.59	9.74	9.62	98.6	
P4308-12	MYDAQ2	12	1.17	8.35	9.52	9.32	97.6	
P4308-13	MYDAQ3	13	1.14	8.53	9.67	9.56	98.7	
P4308-14	MYDAQ4	14	1.14	8.83	9.97	9.82	98.3	
P4308-15	MYDAQ5	15	1.15	8.73	9.88	9.72	98.2	
P4308-16	MYDAQ7	16	1.16	8.57	9.73	9.62	98.7	
P4308-17	MYDAQ8	17	1.17	8.74	9.91	9.78	98.5	
P4308-18	MYDAQ9	18	1.15	8.58	9.73	9.63	98.8	
P4308-19	MYDAR0	19	1.15	8.38	9.53	9.33	97.6	
P4308-20	MYDAR1	20	1.16	8.58	9.74	9.65	99.0	
P4308-21	MYDAR2	21	1.17	8.44	9.61	9.44	98.0	
P4308-22	MYDAR3	22	1.17	8.75	9.92	9.63	96.7	

$\text{Solid} = \frac{(C-A) \times 100}{2}$
(B-A)

			WORKLIST(Hardcopy Internal Chain)	copy Internal Ch	ain)	60826151	6	
WorkList Name :	%1-p4308	WorkList ID :	D : 184203	Department :	Wet-Chemistry	Da	Date: 10-07-202	10-07-2024 15:01:18
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4308-01	MYDAN1	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech SO
P4308-02	MYDAN1D	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chamtech 20
P4308-03	MYDAN1S	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-04	MYDAP0	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-05	MYDAP1	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-06	MYDAP6	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-07	MYDAP7	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-08	MYDAP8	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-09	MYDAP9	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-10	MYDAQ0	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-11	MYDAQ1	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-12	MYDAQ2	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-13	MYDAQ3	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-14	MYDAQ4	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-15	MYDAQ5	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-16	MYDAQ7	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-17	MYDAQ8	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-18	MYDAQ9	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-19	MYDAR0	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
P4308-20	MYDAR1	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech_SO
P4308-21	MYDAR2	Solid	Percent Solids	Cool 4 deg C	USEP01	A11	06/19/2024	Chemtech -SO
Date/Time 10/07/24	151				Date/Time	10107121	/	(.00)
Raw Sample Received by: Raw Sample Relinguished hv [.]	red by: 76/ QUC , uished hv:				Raw Sample	Raw Sample Received by:	T	10Sm)
-	and the	X	Page 1 of 2	of 2	Raw Sample	Raw Sample Relinquished by:	Z	leve

		>	VORKLIST(Hard	WORKLIST(Hardcopy Internal Chain)		60876181	
WorkList Name: %1-p4308	%1-p4308	WorkList ID: 184203	184203	Department : Wet-Chemistry		Date: 10-07-2024 15:01:18	024 15:01:18
Sample	Customer Sample	Matrix Test	est	Preservative	Customer	Raw Sample Storage Collect Date Method Location	Method
D1200 22							
77-0004	MT UAK3	Solid	Percent Solids	Cool 4 deg C	USEP01 A11		06/19/2024 Chemtech SO

Date/Time [V(', i'')] Raw Sample Received by: 2ϑ W(r)15:10 Date/Time 1010714

CSM 16:00 Jo) are Raw Sample Relinquished by: Date/Time 10/07/27 Raw Sample Received by:

Page 2 of 2