#### SDG COVER PAGE

Lab Name: Al	liance Technical Group, LLC	Contract:	68HERH2(	00011	
Lab Code: ACI	E Case No.: 51967	MA No.:			SDG No.: MDCZM3
SOW No. : SF	AM01.1				
EPA Sample No	. Lab Sample Id	ICP-AES	Analysi ICP-MS	s Method Mercury	Cyanide
MDCZM3	Q1255-01		Х	X	
MDCZPO	Q1255-02		Х	Х	
MDCZP1	Q1255-03		Х	Х	
MDCZP5	Q1255-04		Х	Х	
MDCZM4	Q1255-05		Х	Х	
MDCZN3	Q1255-06		Х	Х	
MDCZP2	Q1255-07		Х	Х	
MDCZN8	Q1255-08		Х	Х	
MDCZN8D	Q1255-09		Х	Х	
MDCZN8S	Q1255-10		Х	Х	
MDCZL6	Q1255-11		Х	Х	
MDCZL9	Q1255-12		Х	Х	
MDCZN9	Q1255-13		Х	Х	
MDCZN2	Q1255-14		Х	Х	
MDCZN7	Q1255-15		Х	Х	
MDCZP4	Q1255-16		Х	Х	

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

Signature:

Name:

Date:

Title:

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ത് ഗ	Date	Received by (Signature and Organization)		anization)	Relinquished by (Signature and Organization)	Relinquished by	Items/Reason
+g=CLP ICP-MS Metals/Hg	, ICP-MS/Hg	Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, ICP-MS/Hg=CLP ICP-MS Metals/Hg	-MA≖CLP Semivolatiles + SIM	SVOA + SIM	ice Volatiles w SIM,	+ SIM=CLP Tra	Analysis Key: TVOA
Samples Transferred From Chain of Custody #	Samples T				oder #1	Alliance Tech o	Special Instructions: Alliance Tech cooler #1
Shipment for Case Complete? N	Shipment f						
	40						
101 01129/2025 08:50 V	PWQ1	519670112 (HNO3) (1)	ICP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schle	MDCZM3	PW01-0125
	PW01	519670108 (HCI), 519670109 (None), 519670110 (None) (10)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	Discrete Interval	Groundwater/ McDaniel/Schie mm	DCZM3	PW01-0125
ART# 01/29/2025 18:00	#R4DART#	519670039 (HCl) (6)	TVOA + SIM(21)	Grab	Trip Blank Water/ McDaniel/Schle mm	DCZK2	TB1-0125
	Location	Tag/Preservation/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier
Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900		25-0119 /30/2025	Project Number: 25-0119 DateShipped: 1/30/2025				CarrierName: AirbillNo:
M3 No: 01/30/25-0035 Lab: Alliance Technical Group LLC	DG# MDCZM3	S	CHAIN OF CUSTODY RECORD		3	COC (LAB COP	Page 1 of 1 USEPA Region 4 COC (LAB COPY)

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	Items/Reason	Special Instructions: Alliance Tech cooler #2 Analysis Key: TVOA + SIM=CLP Trace Voia	GW341-0125	GW193-0125	GW192-0125	GW341-0125	GW193-0125	GW192-0125	TB2-0125	Sample Identifier
Then s	Relinquished b	:: Alliance Tech c A + SIM=CLP Tr		MDCZP1	MDCZP0	DCZP5	DCZP1	DCZPO	DCZK3	CLP Sample No.
CHEENW	Relinguished by (Signature and Organization)	ooler #2 ace Volatiles w SIM	McDaniel/Schle mm	Groundwater/ McDaniel/Schle mm	Groundwater/ McDaniel/Schle mm	Groundwater/ McDaniel/Schle mm	Groundwater/ McDaniel/Schle mm	Groundwater/ McDaniel/Schle mm	Trip Blank Water/ McDaniel/Schle mm	Matrix/Sampler
	ganization)	, SVOA + SIN	Interval	Discrete	Discrete Interval	Discrete Interval	Discrete Interval	Discrete Interval	Gab	Coll. Method
	Date/Time F	-MA=CLP Semivolatiles		ICP-MS/Hg(21)	ICP-MS/Hg(21)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	TVOA + SIM(21)	Analysis/Turnaround (Days)
Z	Received by (Signature and Organization)	Special Instructions: Alliance Tech cooler #2 Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides		549670329 (HNO3) (4)	519670287	519670318 (Ht (None), 519670	-			2
01/3/25	Date/Time	Samples Transferred From Chain of Samples, ICP-MS/Hg=CLP ICP-MS Metals/Hg		Sp341		SP341			#R4DAR1#	Location
200 Temp blank pres Te Gun # 1 Cushady Seal Tutact	Sample Condition	Samples Transferred From Chain of Custody #	e Complete? N	01/29/2025 15:40	CITAD USE 14:00 MICS	011/29/2025 15:40	01/29/20/20 14:30	01/29/2025 13:15	01/29/2025 18:00	Date/Time
seal	Sample Condition Upon Receipt	Custody #	PH1-3	pHL3	PH 1:3					Only Ose

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000 G # MDCZM3 4517 7622

Lab: Alliance Technical Group LLC Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900

No: 01/30/25-0036

Page 1 of 1 USEPA Region 4 COC (LAB COPY)

AirbilNo:

Project Number: 25-0119

DateShipped: 1/30/2025

SDG# MDCZM3

CHAIN OF CUSTODY RECORD

USEPA Region 4 COC (LAB COPY)         CHAN OF CUSTOPY RECORD         SUC1 <sup>2</sup> MID CZM3         No. 6 M3025-0021           Camishiane         Estigation         Project Number: 25-011         Project Number: 25-011         Location         Location         Location         Location         Location         Location         Location         Constrained Name         Location         No.	# 1 al Intact	TR Gun #1 Cushudy Scal Intact	09:35 d						
CHAIN OF CUSTORY RECORD     SDG# MD CZ/M4     SDG# MD CZ/M4     Stample Ko.     Mathx/Sampler     Coll     Analysis/Tumaround     Tage/Preservation/Bottles     Location       G125     DC2/M4     Mathx/Sampler     Gab     TVOA + SIM(21)     Stopact Number: 2-501 19       G125     DC2/M4     Mathx/Sampler     Graun/water/ McDamle/Schie     Graun/water/ Interval     Graun/water/ Interval     Coll.     Analysis/Tumaround     Tage/Preservation/Bottles     Location       60125     DC2/M4     Mathx/Sampler     Graun/water/ McDamle/Schie     Interval     TVOA + SIM(21), Stop7115 (HCI), 51997041 (HCI) (9)     #R4DART#     01/ mm       50125     DC2/M4     Graun/water/ McDamle/Schie     Discrete     TVOA + SIM(21), PEST[21)     (None), 519970238 (Hone) (10)     SP195     01/ mm       50125     MDC2/P2     Graun/water/ McDamle/Schie     Discrete     I/VOA + SIM(21), PEST[21)     (None), 519970238 (Hone) (10)     SP194     01/ 01/ S19970238 (Hone) (10)     SP194     01/ S19970238 (Hone) (10)     SP195     01/ S19970238 (Hone) (10)     SP195     01/ S19970238 (Hone) (10)     SP194     01/ S19970238 (Hone) (10)     SP194     01/ S19970238 (Hone) (10)     SP194     01/ S19970238 (Hone) (10)     SP195     01/ S19970238 (Hone) (10)     SP195     01/ S19970238 (Hone) (10)	k prosad	Tempblas	SzilEllo	7	100	77	人 上 行 了 了		
Region 4 COC (LAB COPY)         SUDG # MOP CUSTOPY RECORD         SUDG # MIDC/ZM3           Identifier         CLP sample No.         Mathio/Sampler Mobanie/Sohie         Coll.         Analysis/Tumaround (pays)         Tag/Preservation/Bottles         Location           6725         DCZK4         Trib Blank         Grauniwater/ Mobanie/Sohie         Grauniwater/ Interval         Coll.         Analysis/Tumaround         Tag/Preservation/Bottles         Location           60725         DCZK4         Trib Blank         Grauniwater/ Interval         Discrete         TVOA + SIM(21), SVOA + SIN/AVA(21), PEST(21)         S19970115 (HCl), 519970116         SP156         0           60725         DCZN4         Grauniwater/ Interval         Discrete         TVOA + SIM(21), SVOA + SIN/AVA(21), PEST(21)         S19970234 (HCl), 519970236         SP183         0           60725         DCZN4         Grauniwater/ Interval         Discrete         TVOA + SIM(21), SVOA + SIN/AVA(21), PEST(21)         S19970234 (HCl), 519670236         SP183         0           60725         MDCZN4         Grauniwater/ Interval         Discrete         TVOA + SIM(21), SVOA + SIN/AVA(21), PEST(21)         S19970236 (None) (10)         SP194         0           60725         MDCZN4         Grauniwater/ Interval         Discrete         IN/AA(21), PEST(21)         S19970236 (HNO3) (1)         SP1	Upon Receipt	Sample:Condition	Date/Time	d by (Signature and Organization)		anization)	(Signature and Org	Relinguished by	Items/Reason
CHAN OF CUSTOPY RECORD         SDG# MUDC/ZM3           Project Number: 25-0119         Project Number: 25-0119         SDG# MUDC/ZM3         Lateshipped: 1/30/2025           valuer/ valer/ valer/ indvater/ indva	XLP ICP-MS	atiles, ICP-MS/Hg=C	WOA=CLP Semivol	MA3096.1, PEST=CLP Pesticides, S	¦A≔CLP Semivolatiles + SIM	SVOA + SIM-N	ice Volatiles w/ SIM,	A+SIM=CLP Tra	Analysis Key: TVO/ Metals/Hg
CHAN OF CUSTOPY RECORD     SDG# MIDCZ/M3       Friget Number: 25-0119 DateShipped: 1/302025       Project Number: 25-0119 DateShipped: 1/302025       Iffer Sample No.     Matrix/Sampler Matrix/Sampler     Coll. Method     Coll. Method     Typet Number: 25-0119 DateShipped: 1/302025       Toget Number: 25-0119 DCZM4     Typet Number: 25-0119 DCZM4     Location/Botties     Location Method: (Days)       5     DCZM4     Groundwater Interval     Midthod     TVOA + SIM(21), Midtalisher     TVOA + SIM(21), Numely, 519670234 (HcD), 519670234 (HcD), 519670236 (None) (10)     SP156     017       5     DCZP2     Groundwater Interval     Interval     SV/A(21), PEST(21), Midtalisher     (None), 519670239 (Hone) (10)     SP194     017       5     MDCZN4     Groundwater Interval     Interval     SV/A(21), PEST(21), Midtalisher     (None), 519670239 (Hone) (10)     SP194     017       5     MDCZZN4     Groundwater Interval     Interval     ICP-MS/Hg(21)     5196701397 (HO3) (1)     SP193     017       5     MDCZZN4     Groundwater Interval     ICP-MS/Hg(21)     519670238 (None) (10)     SP194     017       6     MDCZZP2     Groundwater Midtalisher     Interval     ICP-MS/Hg(21)     519670238 (HINO3) (1)     SP193	ustody #	d From Chain of Cu	amples Transferre	ý		8	ooler #3	: Alliance Tech co	Special Instructions
STOC (LAB COPY)       CHAN OF CUSTOPY RECORD       SDC# MIDC/Z/M3         Fraget Number: 25-0119 DateShipped: V30/2025         Project Number: 25-0119 DateShipped: V30/2025         DC/LAB COPY)       Coll. McDanie/Schie       TVOA + SIM(21), SVOA + McDanie/Schie       TVOA + SIM(21), SVOA + McDanie/Schie       Interval       TVOA + SIM(21), SVOA + S19670115 (HCI), 519670145 (HCI), 519670146       SP156 01/ McDanie/Schie       Interval       TVOA + SIM(21), SVOA + S19670115 (HCI), 519670236 (HCI), 519670238 (HCI), 519670230 (HCI), 519670238 (HCI), 519670238 (HCI), 519670238 (HCI), 5196		omplete? N	hipment for Case C	ŝ					
Inter CopPy       SDC# MIDCZM3       SDC# MIDCZM3       SDC# MIDCZM3       SDC# MIDCZM3       SDC# MIDCZM3       SDC# MIDCZM3       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Lacetion         Iffer       Sample No.       Mathix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location       Other         DCZK4       Trip Blank Wcbanie/Schie       Graundwater/ Imm       Cispet       Analysis/Turnaround       Tag/Preservation/Bottles       Location       Other       Coll.       Location       Other       Oth	#1.3	11/29/2025 15:42		519670301 (HNO3) (1)	ICP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schle mm	MDCZP2	GW194-0125
CHAN OF CUSTOPY RECORD       SDC# MDCZM3         Inter CLP Sampler Coll. Trip Blank Water/ DCZK4       Matrix/Sampler Coll. Method       Analysis/Turnaround (Days)       Tag/Preservation/Bottles       Location         5       DCZM4       Groundwater/ McDanie//Schie       Ciscrete       TVOA + SIM(21), SVOA + mm       519670041 (HCI) (6)       #R4DART# (None), 519670115 (HCI), 519670216       01/         5       DCZN4       Groundwater/ McDanie//Schie       Discrete       TVOA + SIM(21), SVOA + mm       519670115 (HCI), 519670236 (None) (10)       #R4DART# 01/       01/         5       DCZN4       Groundwater/ McDanie//Schie       Discrete       TVOA + SIM(21), PEST(21)       \$19670234 (HCI), 519670236 (None) (10)       \$P156 01/       01/         5       DCZN3       Groundwater/ McDanie//Schie       Discrete       TVOA + SIM(21), SVOA + SVOA(21), PEST(21)       \$19670234 (HCI), 519670236 (None) (10)       \$P183 01/       01/         5       DCZN4       Groundwater/ McDanie//Schie       Discrete       TVOA + SIM(21), SVOA + Interval       \$19670236 (None) (10)       \$P194 01/       01/         5       DCZM4       Groundwater/ McDanie//Schie       Discrete       ICP-MS/Hg(21)       \$19670239 (None) (10)       \$P194 01/       01/         6       MDCZM4       McDanie//Schie       Interval       ICP-MS/Hg(21	F1.3 S	01/29/2025 13:55 V		519670238 (HNO3) (1)	(CP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schte mm	MDCZN3	GW183-0125
CHAN CF CUSTODY RECORD       SDC# MDC7M3         Ifter       CLP       Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location         DCZK4       Trip Blank       Grab       TVOA + SIM(21)       519670041 (HCl) (6)       #R4DART#       01/         5       DCZN4       Groundwater/ McDanie/Schie       Discrete       TVOA + SIM(21), PEST(21)       519670115 (HCl) 519670234 (HCl) 519670235       SP156       01/         5       DCZN3       Groundwater/ McDanie/Schie       Discrete       TVOA + SIM(21), PEST(21)       (None), 519670234 (HCl), 519670235       SP183       01/         5       DCZP2       Groundwater/ McDanie/Schie       Discrete       TVOA + SIM(21), PEST(21)       S19670234 (HCl), 519670236 (None) (10)       SP183       01/         5       DCZP2       Groundwater/ McDanie/Schie       Discrete       TVOA + SIM(21), PEST(21)       S19670234 (HCl), 519670236 (None) (10)       SP183       01/         5       DCZP2       Groundwater/ McDanie/Schie       Discrete       TVOA + SIM(21), PEST(21)       S19670236 (None) (10)       SP183       01/         6       Discrete       TVOA + SIM(21), PEST(21)       S19670239 (HCl), 519670236 (None) (10)       SP194       01/         7       McDanie/Schie       Interval<	H-1-3	11/29/2025 11:00		519670119 (HNO3) (1)	ICP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schie mm	MDCZM4	GW156-0125
Intervention       CLP       Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location       Location       Location       Coll       Matrix/Sampler       Coll.       Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location       Location       Coll.       Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location       Coll.       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location       Coll.		11/29/2025 15:42		519670297 (HCl), 519670298 (None), 519670299 (None) (10)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	Discrete	Groundwater/ McDaniel/Schie mm	DCZP2	GW194-0125
In 4 COC (LAB COPY)       Chain of Custopy RECORD       SDG# MDCZM3         Iffer       CLP       Matrix/Sampler       Coll.       Analysis/Turnaround       Tag/Preservation/Bottles       Location         DCZK4       Trip Blank       Grab       TVOA + SIM(21)       519670041 (HCl) (6)       #R4DART#       01/         5       DCZM4       Groundwater/ McDaniel/Schle       Discrete       TVOA + SIM(21), PEST(21)       519670115 (HCl), 519670117 (None) (10)       \$P156       01/		11/29/2025 13:55		519670234 (HCI), 519670235 (None), 519670236 (None) (10)	TVOA + SIM(21), SVOA(21), PEST(21)	Discrete Interval	Groundwater/ McDaniel/Schie mm	DOZN3	GW183-0125
In 4 COC (LAB COPY) CHAIN OF CUSTODY RECORD SDG# MDCZM3		91/29/2025 11:00		519670115 (HCI), 519670116 (None), 519670117 (None) (10)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	Discrete	Groundwater/ McDaniel/Schle mm	DCZM4	GW156-0125
in 4 coc (LAB COPY) CHAIN OF CUSTODY RECORD SDG# MDCZM3		31/29/2025 18:00		519670041 (HCl) (6)	TVOA + ŠIM(21)	Grab	Trip Blank Water/ McDaniel/Schle mm	DCZK4	TB3-0125
in 4 coc (LAB COPY) CHAIN OF CUSTODY RECORD SDG# MDCZM3 Project Number: 25-0119 DateShipped: 1/30/2025	For Lab Use Only	Collection Date/Time	Location	Tag/Preservation/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler		Sample Identifier
n 4 coc (LAB COPY) CHAIN OF CUSTODY RECORD SDG# MDCZM3	908-789-8900	Lab Phone		30/20/25	DateShipped: 1/				AirbillNo:
IN 4 COC (LAB COPY) CHAIN OF CUSTODY RECORD SDG# MDCZM3	animad Ahmed	Lab: Alliance Techn Lab Contact: Moh		25-0119	Project Number:				Case #: 51967 CarrierName:
	130/25-0037	No: 01	# MUCZM3		CHAIN OF CUSTOE		3	COC (LAB COP	USEPA Region 4

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USEPA Region 4 COC (LAB COPY) Case #: 51967		r1)		CHAIN UF C	CHAIN OF CUSIOUY RECORD	SDG# I	SDG# MDCZM3	NO: UT/3T/25-UU42 Lab: Alliance Technical Group LLC	e Technical Group LLC
CarrierName: FedEx AirbillNo:	î			Project N DateShi	Project Number: 25-0119 DateShipped: 1/31/2025			Lab Contact: Mohammad Ahmed Lab Phone: 908-789-8900	ontact: Mohammad Ahmed Lab Phone: 908-789-8900
Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	und Tag/Preservation/Bottles	on/Bottles	Location	Collection Date/Time	For Lab Use Only
TB4-0125	DCZK5	Trip Blank Water/ McDaniel/Schle mm	Grab	TVOA + SIM(21)	1) 519670042 (HCl)	HCİ) (6)	#R4DART#	01/30/2025 18:00	
GW191-0125	DCZN8	Groundwater/ McDaniel/Schie mm	Discrețe Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	VOA + 519670269 (HCI), 519670270 (21) (None), 519670271 (None) (24)	519670270 1 (None) (24)	SP191	01/30/2025 14:32	
GW191-0125	MDCZN8	Groundwater/ McDariiel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	) 519670273 (HNO3)	NO3) (4)	SP191	01/30/2025 14:32	off 1.0
ample(s) to be used W191-0125 Tag 519	for Lab QC: G 670273 - Sp	W191-0125 Tag 519 ecial Instructions: All	670269, GW lance Tech c	/191-0125 Tag 519670 pooler #1	Sample(s) to be used for Lab QC: GW191-0125 Tag 519670269, GW191-0125 Tag 519670270, GW191-0125 Tag 519670271, GW191-0125 Tag 519670273 - Special Instructions: Alliance Tech cooler #1		Shipment for Case Complete? N Samples Transferred From Chait	Shipment for Case Complete? N Samples Transferred From Chain of Custody #	Custody #
nalysis Key: TVOA +	SIM=CLP Tra	ice Volatiles w/ SIM,	SVÖA + SIN	A-MA=CLP Semivolatile	Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP		s, ICP-MS/Hg=CLI	Pesticides, ICP-MS/Hg=CLP ICP-MS Metals/Hg	
Items/Reason Re	linquished by	Relinquished by (Signature and Organization)	nization)	Date/Time R	Received by (Signature and Organization)	)rganization)	Date/Time	Sample Condition Upon Receipt	n Upon Receipt
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Page 1 of 1

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Upon Receipt	Sample Condition Upon Receipt	Date/Time	Received by (Signature and Organization)	e/Time	anization)	Relinquished by (Signature and Organization)	elinquished by (	Items/Reason R
Ig=CLP ICP-	1A3096.1, ICP-MS/F	mivolatiles + SIM N	Analysis Key: I VUA + SIM=CLP Trace Volatiles w/ SIM, SVOA=CLP Semivolatiles, PEST=CLP Pesticides, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, ICP-MS/Hg=CLP ICP- MS Metals/Hg	Semivolatiles, PEST=CLP Pe	, SVOA=CLP	ice Volatiles w/ SIM	+ SIM=CLP Tra	MS Metals/Hg
Justody #	Samples Transferred From Chain of Custody #	amples Transferm	0			ooler #2	Alliance Tech c	Special Instructions: Alliance Tech cooler #2
	Complete? N	Shinment for Case Completed N	N					
1	01/30/2025 14:32	SP191	-519670280 (HNO3) (1)	ICP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schle mm	MDCZN9	GW 191-9125
	01/30/2025 17:35	SP175	519670168 (HNO3) (1)	ICP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schle mm	MDCZL9	GW175-0125
07	01/30/2025 12:15	SP173	519670147 (HNO3) (1)	ICP-MS/Hg(21)	Discrete Interval	Groundwater/ McDaniel/Schle mm	MDCZL6	GW173-0125
	01/30/2025 14:32	SP191	519670276 (HCI), 519670277 (None), 519670278 (None) (10)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	Discrete Interval	Groundwater/ McDaniel/Schie mm	DCZN9	GW191-9125
	01/30/2025 17:35	SP175	519670164 (HCI), 519670165 (None), 519670166 (None) (10)	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	Discrete Interval	Groundwater/ McDanlel/Schle mm	DCZL9	GW175-0125
	01/30/2025 12:15	SP173	519670143 (HCI), 519670144 (None), 519670145 (None) (10)	TVOA + SIM(21), SVOA(21), PEST(21)	Discrete Interval	Groundwater/ McDaniel/Schle mm	DCZL6	GW173-0125
	01/30/2025 18:00	#R4DART#	519670043 (HCI) (6)	TVOA + SIM(21)	Grab	Trip-Blank Water/ McDaniel/Schle mm	DCZK6	c210-c81
For Lab Use Only	Collection Date/Time	Location	Tag/Preservation/Bottles	Analysis/Turnaround (Days)	Coll. Method	Matrix/Sampler	CLP Sample No.	Sample Identifier
No: 01/31/25-0043 ance Technical Group LLC intact: Mohammad Ahmed Lab Phone: 908-789-8900	Lab: Allia Lab Cc	SDG# MDCZM3	2	CHAIN OF CUSTODY RECORD Project Number: 25-0119 DateShipped: 1/31/2025		3		Case #: 51967 CarrierName: FedEx AirbillNo:
								IISEPA Paring A

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68HERH20D0011 77794597#W202M3

becial Instruction	Special Instructions: Alliance Tech cooler #3		0 0	Shipment for Case Complete? N Samples Transferred From Chair	Shipment for Case Complete? N Samples Transferred From Chain of Custody #
Analysis Key: TVC MS Metals/Hg	Analysis Key: TVOA + SIM=CLP Trace Volatiles w/ SIM, SVOA + SIM-MA=CLP Semivolatiles + SIM MA3096.1, PEST=CLP Pesticides, SVOA=CLP Semivolatiles, ICP-MS/Hg=CLP ICP- MS Metals/Hg	M-MA=CLP Semi	/olatiles + SIM MA3096.1, PEST=CLP Pesticide	s, SVOA=CLP Semi	volatiles, ICP-MS/Hg=CLP ICP-
Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	J.P. AROM	1/31/25	len	2/1/25	2.1 TRemt
		ł		9:25	I. bland

AirbillNo:				DateShipped: 1/31/2025	31/2025		Lab Phone: 908-789-8900	Lab Phone: 908-789-8900
Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservation/Bottles	Location	Collection Date/Time	For Lab Use Only
GW182-0125	DCZN2	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670227 (HCl), 519670228 (None), 519670229 (None) (10)	SP182	01/30/2025 16:05	
GW187-0125	DCZN7	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA(21), PEST(21)	519670262 (HCi), 519670263 (None), 519670264 (None) (10)	SP187	01/30/2025 10:20	
GW340-0125	DCZP4	Groundwater/ McDaniel/Schle mm	Discrete Interval	TVOA + SIM(21), SVOA + SIM-MA(21), PEST(21)	519670311 (HCl), 519670312 (None), 519670313 (None) (10)	SP340	01/30/2025 14:25	
TB6-0125	DCZP9	Trip Blank Water/ McDaniel/Schle mm	Grab	TVOA + SIM(21)	519670001 (HCI) (6)	#R4DART#	01/30/2025 18:00	
GW182-0125	MDCZN2	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670231 (HNO3) (1)	SP182	01/30/2025 16:05	
GW187-0125	MDCZN7	Groundwater/ McDaniel/Schle mm	Discrete Interval	ICP-MS/Hg(21)	519670266 (HNO3) (1)	SP187	01/30/2025 10:20	
GW340-0125	MDCZP4	Groundwater/ McDaniel/Schle	Discrete Interval	ICP-MS/Hg(21)	519670315 (HNO3) (1)	SP340	01/30/2025 14:25	•

68HERH20D0011

73bq filibbjzh2272

Page 1 of 1

USEPA Region 4 COC (LAB COPY)

Case #: 51967

CarrierName: FedEx

CHAIN OF CUSTODY RECORD

SDG# MDCZM3

Lab: Alliance Technical Group LLC

No: 01/31/25-0044

## SAMPLE LOG-IN SHEET

Lab Name : Allia	ance Technical Group	, LLC	0			Page_1_of_	6	
Received By (Pr	int Name) assand	u a	Rinà			Log-in Date	1/31/20	)25
Received By (Si			1-11-1			I		
Case Number	51967	SDG	No. MDC	ZM3		MA No. N/	A	
Remarks:						Correspondir	ומ	
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	MDCZM3	1.3	519670112		Q1255-01	Intact
Custody Records		2	N/A	N/A	N/A		N/A	N/A
4. Airbill		3	N/A	N/A	N/A		N/A	N/A
- Anom	Present	4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and	771665148941	5	N/A	N/A	N/A		N/A	N/A
Shipping Container ID No.	1	6	N/A	N/A	N/A		N/A	N/A
6 Shinning Container		7	N/A	N/A	N/A		N/A	N/A
<ol> <li>Shipping Container Temperature</li> </ol>	Present	8	N/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A		N/A	N/A
7. Shipping Container	2.1 Degree C	10	N/A	N/A	N/A		N/A	N/A
Temperature		11	N/A	N/A	N/A		N/A	N/A
8. Sample	Intact	12	N/A	N/A	N/A		N/A	N/A
Condition		13	N/A	N/A	N/A		N/A	N/A
		14	N/A	N/A	N/A		N/A	N/A
9. Sample Tags Sample Tag	Absent	15	N/A	N/A	N/A		N/A	N/A
Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
	Report	17	N/A	N/A	N/A		N/A	N/A
10. Does information on Traffic	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of Custody Records		19	N/A	N/A	N/A		N/A	N/A
and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
<ol> <li>Date Received at Lab</li> </ol>	01/31/2025	22	N/A	N/A	N/A		N/A	N/A
		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:35							

Reviewed By		Logbook No.	N/A
Date	13125	Logbook Page No.	N/A

## SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Group	, LLC	0			Page 2_of	6	
Received By (Pr	int Name)	ara	- Kerien			Log-in Date	e 1/31/20	)25
Received By (Si			- price					
Case Number	51967	SDG	No. MDC	ZM3		MA No. N	/A	
	1	1	1					
Remarks:						Correspondir	חם	
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		MDCZP0	1.3	519670287		Q1255-02	Intact
Custody Records		2	MDCZP1	1.3	519670294		Q1255-02	Intact
		3	MDCZP5	1.3	519670322		Q1255-04	Intact
4. Airbill	Present	4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and	771665297622	5	N/A	N/A	N/A		N/A	N/A
Shipping Container ID No.	2	6	N/A	N/A	N/A		N/A	N/A
		7	N/A	N/A	N/A		N/A	N/A
<ol> <li>Shipping Container Temperature</li> </ol>	Present	8	N/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A		N/A	N/A
7. Shipping Container	2.0 Degree C	10	N/A	N/A	N/A		N/A	N/A
Temperature	<u>2.0</u> Degree 0	11	N/A	N/A	N/A		N/A	N/A
8. Sample	Intact	12	N/A	N/A	N/A		N/A	N/A
Condition		13	N/A	N/A	N/A		N/A	N/A
		14	N/A	N/A	N/A		N/A	N/A
9. Sample Tags Sample Tag	Absent	15	N/A	N/A	N/A		N/A	N/A
Numbers	Listed on Traffic	16	N/A	N/A	N/A		N/A	N/A
	Report	17	N/A	N/A	N/A		N/A	N/A
<ol> <li>Does information on Traffic</li> </ol>	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of Custody Records		19	N/A	N/A	N/A		N/A	N/A
and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
<ol> <li>Date Received at Lab</li> </ol>	01/31/2025	22	N/A	N/A	N/A		N/A	N/A
		23	N/A	N/A	N/A		N/A	N/A
12.Time Received	09:35							

Reviewed By		Logbook No.	N/A	
Date	1 31 25	Logbook Page No.	N/A	

## SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Grou	o, LLC	2	0			Page_3_of_	6	
Received By (Pi	rint Name Cassan			Rene-			Log-in Date	e 1/31/20	)25
Received By (Si	ignature			Marca					
Case Number	51967	SD	G N	o. MDC	CZM3		MA No. N/	Ά	
						-			
Remarks:		_					Correspondir	ng	
1. Custody Seal (s)	Present, Intact				Aqueou	s/			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			MDCZM4	1.3	519670119		Q1255-05	Intact
Custody Records			2	MDCZN3	1.3	519670238		Q1255-06	Intact
4. Airbill	Present	- 3	s   I	MDCZP2	1.3	519670301		Q1255-07	Intact
	Presenc	4		N/A	N/A	N/A		N/A	N/A
5. Airbill No. and Shipping Container ID No.	771665281450	5	;	N/A	N/A	N/A		N/A	N/A
	3	6	; r	V/A	N/A	N/A		N/A	N/A
6. Shipping Container		- 12	!	I/A	N/A	N/A		N/A	N/A
Temperature	Present	8	1	I/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	ľ	I/A	N/A	N/A		N/A	N/A
7. Shipping Container	1.8 Degree C	1   1	0 1	I/A	N/A	N/A		N/A	N/A
Temperature			1 M	I/A	N/A	N/A		N/A	N/A
8. Sample	Intact	1.	2	I/A	N/A	N/A		N/A	N/A
Condition		1	3 1	I/A	N/A	N/A		N/A	N/A
-			4 🛛	I/A	N/A	N/A		N/A	N/A
9. Sample Tags Sample Tag	Absent	1	5 🛯	/A	N/A	N/A		N/A	N/A
Numbers	Listed on Traffic	10	6 N	/A	N/A	N/A		N/A	N/A
	Report		7 N	/A	N/A	N/A		N/A	N/A
0. Does information on Traffic	Yes	18	B N	/A	N/A	N/A		N/A	N/A
Reports/Chain of		19	9 N	/A	N/A	N/A		N/A	N/A
Custody Records and Sample Tags		20	D N	/A	N/A	N/A		N/A	N/A
agree ?		21		/A	N/A	N/A		N/A	N/A
1. Date Received at	01/21/2025	22	2 N	/A	N/A	N/A		N/A	N/A
Lab	01/31/2025	. 23	3 N	/A	N/A	N/A		N/A	N/A
2.Time Received	09:35								

Reviewed By	OK,	Logbook No.	N/A
Date	1 37 25	Logbook Page No.	N/A

## SAMPLE LOG-IN SHEET

	ance Technical Grou		0			Page 4 of	٢	
Received By (P	rint Name)	2010	leia			Log-in Date		25
Received By (S	ignature)	1005	pern					
Case Number	51967	SDG	No. MDC	ZM3		MA No. N/	A	
	1							
Remarks:						Correspondir	ומ	
1. Custody Seal (s)	Present, Intact			Aqueous				Remarks: Condition
2. Custody Seal Nos.	n/a	-	EPA Sample #	Water Sample pH	Sam Tag	-	Assigned Lab #	of Sample Shipment, etc.
3. Traffic Reports/Chain Of	Present	1	MDCZN8	1.0	519670273		Q1255-08	Intact
Custody Records		2	MDCZN8D	1.0	519670273		Q1255-09	Intact
4. Airbill	Present	3	MDCZN8S	1.0	519670273		Q1255-10	Intact
	Flesenc	4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and Shipping Container ID No.	771794362365	5	N/A	N/A	N/A		N/A	N/A
	4	6	N/A	N/A	N/A		N/A	N/A
6 Shinning Container		- 7	N/A	N/A	N/A		N/A	N/A
<ol> <li>Shipping Container Temperature</li> </ol>	Present	8	N/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A		N/A	N/A
7. Shipping Container	1.5 Degree C	10	N/A	N/A	N/A		N/A	N/A
Temperature	<u></u>	11	N/A	N/A	N/A		N/A	N/A
8. Sample	Intact	12	N/A	N/A	N/A		N/A	N/A
Condition		13	N/A	N/A	N/A		N/A	N/A
		14	N/A	N/A	N/A		N/A	N/A
9. Sample Tags	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	N/A
10. Does information on Traffic	Yes	18	N/A	N/A	N/A		N/A	N/A
Reports/Chain of		19	N/A	N/A	N/A		N/A	N/A
Custody Records and Sample Tags		20	N/A	N/A	N/A		N/A	N/A
agree ?		21	N/A	N/A	N/A		N/A	N/A
11. Date Received at	02/01/2025	22	N/A	N/A	N/A		N/A	N/A
Lab		23	N/A	N/A	N/A		N/A	N/A

Reviewed By	Ch,	Logbook No.	N/A	
Date	21125	Logbook Page No.	N/A	

## SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Grou	o, LLC	2	~			Page 5_of	6	
Received By (Pr	int Name)		G	- Rei			Log-in Date	2/1/202	25
Received By (Si	gnature)	100		- ser					
Case Number	51967	SD	G N	lo. MDC	ZM3		MA No. N/	A	
Remarks:							Correspondir	מו	
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	MDCZL6	1.0	519670147		Q1255-11	Intact
Custody Records		2	2	MDCZL9	1.0	519670168		Q1255-12	Intact
4. Airbill	Present	3	3	MDCZN9	1.0	519670280		Q1255-13	Intact
	Fresenc	4	ŀ	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and Shipping Container ID No.	771794520787	5	;	N/A	N/A	N/A		N/A	N/A
	5	6	-	N/A	N/A	N/A		N/A	N/A
6. Shipping Container	Present	- 12	·	N/A	N/A	N/A		N/A	N/A
Temperature	Present	8	-	V/A	N/A	N/A		N/A	N/A
Indicator Bottle		9		N/A	N/A	N/A		N/A	N/A
7. Shipping Container	1.8 Degree C	1 🗠	-+	N/A	N/A	N/A		N/A	N/A
Temperature			-+	N/A	N/A	N/A		N/A	N/A
8. Sample	Intact		-+	N/A	N/A	N/A		N/A	N/A
Condition			3	N/A	N/A	N/A		N/A	N/A
			-+	N/A	N/A	N/A		N/A	N/A
). Sample Tags Sample Tag	Absent		-+-	1/A	N/A	N/A		N/A	N/A
Numbers	Listed on Traffic	10	6 1	I/A	N/A	N/A		N/A	N/A
	Report		7 1	I/A	N/A	N/A		N/A	N/A
<ol> <li>Does information on Traffic</li> </ol>	Yes	18	8 1	I/A	N/A	N/A		N/A	N/A
Reports/Chain of Custody Records		19	9 N	I/A	N/A	N/A		N/A	N/A
and Sample Tags		20	N C	I/A	N/A	N/A		N/A	N/A
agree ?		21	1 N	I/A	N/A	N/A		N/A	N/A
1. Date Received at	02/01/2025	22	2 N	I/A	N/A	N/A		N/A	N/A
Lab		23	3 N	/A	N/A	N/A		N/A	N/A
2.Time Received	09:25								

Reviewed By	ÛN.	Logbook No.	N/A	
Date	211/25	Logbook Page No.	N/A	

## SAMPLE LOG-IN SHEET

Lab Name : Alli	ance Technical Grou	o, LLC	0			Page_6_of_	6	
Received By (Pr	rint Name)	-4.10	~ Kena			Log-in Date	2/1/202	25
Received By (Si	ignature)	1000	- perco					
Case Number	51967	SDC	S No. MDC	ZM3		MA No. N/	A	
Remarks:						Correspondir		1
1. Custody Seal (s)	Present, Intact			Aqueous		correspondin		Remarks: Condition
2. Custody Seal Nos.	n/a		EPA Sample #	Water Sample pH	Sam Tag	•	Assigned	of Sample
<ol> <li>Traffic Reports/Chain Of</li> </ol>	Present		MDCZN2	1.0	519670231		Q1255-14	Intact
Custody Records		2	MDCZN7	1.0	519670266		Q1255-15	Intact
4. Airbill	Present	3	MDCZP4	1.0	519670315		Q1255-16	Intact
	Flesent	4	N/A	N/A	N/A		N/A	N/A
5. Airbill No. and Shipping Container ID No.	771794672272	5	N/A	N/A	N/A		N/A	N/A
	6	6	N/A	N/A	N/A		N/A	N/A
6. Shipping Container	Present	-   7	N/A	N/A	N/A		N/A	N/A
Temperature Indicator Bottle		8	N/A	N/A	N/A		N/A	N/A
Indicator Bottle		9	N/A	N/A	N/A		N/A	N/A
. Shipping Container	2.1 Degree C	10	-	N/A	N/A		N/A	N/A
Temperature		11	N/A	N/A	N/A		N/A	N/A
. Sample Condition	Intact	12		N/A	N/A			N/A
		13	N/A	N/A	N/A			N/A
. Sample Tags		14	N/A		N/A			N/A
Sample Tag	Absent	15	N/A		N/A			N/A
Numbers	Listed on Traffic Report	16	N/A N/A		N/A			N/A
0. Does information	Yes	11/	N/A		N/A N/A			N/A
on Traffic Reports/Chain of		10	N/A		N/A			N/A N/A
Custody Records		20	N/A		N/A			N/A
and Sample Tags agree ?		20	N/A	++	N/A			N/A N/A
. Date Received at		22	N/A		N/A			N/A
Lab	02/01/2025	23	N/A		N/A			N/A
2.Time Received	09:25		1.4	1 0/2				10/3

Reviewed By	XN,	Logbook No.	N/A	
Date	2/1/25	Logbook Page No.	N/A	

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

LAB NAME	Alliance Techn	ical Group, LLC	
LAB CODE	ACE		
CONTRACT NO.	68HERH20D0011		
CASE NO.	51967	SDG NO.	MDCZM3
MA NO.		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 FROM	NOs: TO	<u>CH</u> LAB	ECK REGION
1. SDG Cover Page	1	1	✓	
2. Traffic Report/Chain of Custody Record(s)	2	7	✓	
3. Sample Log-In Sheet (DC-1)	8	13	✓	
4. CSF Inventory Sheet (DC-2)	14	16		
5. SDG Narrative	17	20		
6. Communication Logs	NA	NA	✓	
7. Percent Solids Log	NA	NA	✓	
Analysis Forms and Data (ICP-AES)				
8. Sample Analysis Data Forms (1A-OR, 1B-OR, and 1-IN) for each sample	NA	NA	_ ✓	
or sample analysis, laboratory QC as applicable 9. Instrument raw data by instrument in analysis order	NA	NA	✓	
Other Data				
10. Standard and Reagent Preparation Logs	NA	NA		
11. Original Preparation and Cleanup forms or copies of Preparation and	NA	NA	✓	
Cleanup Logbooks 12. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks	NA	NA		
<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	21	34		
or sample analysis, laboratory QC as applicable 18. Instrument raw data by instrument in analysis order	35	696		
Other Data				
19. Standard and Reagent Preparation Logs	697	838		
20. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks	839	840	✓	
<ol> <li>Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks</li> </ol>	841	846	✓	
22. Performance Evaluation (PE)/Proficiency Testing (PT) Sample Instructions	NA	NA	✓	

23. Extraction logs for TCLP and SPLP       PROM       TO       LAB       RECION         24. Ray GPC Data       NA       NA       V       NA       NA       V         25. Raw Florisil Data       NA       NA       NA       V       NA       NA       V         25. Raw Florisil Data       NA       NA       NA       NA       V       NA       NA       V         26. Sample Analysis Data Porms (1A-OR, 1B-OR, and 1-TN) for each sample or sample analysis, laboratory CG as applicable       847       860       ✓       -         27. Instrument raw data by instrument in analysis order       861       863       ✓       -       -         28. Standard and Regent Preparation Logs       864       891       ✓       -       -       -         29. Original Preparation and Cleanup forms or copies of Analysis or B94       897       ✓       -		PAGE	NOs:	CH	HECK
24. Raw GFC Data       NA       NA       YA         25. Raw Florisil Data       NA       NA       YA         26. Sample Analysis Data Forms (IA-OR, IB-OR, and 1-IN) for each sample or sample analysis, laboratory OC as applicable       847       860       ✓         27. Instrument raw data by instrument in analysis order       861       863       ✓         28. Standard and Reagent Preparation Logs       864       891       ✓         29. Original Preparation and Cleanup forms or copies of Preparation and Cleanup Logbooks       894       897       ✓         30. Original Analysis or Instrument Run forms or copies of Analysis or Instrument Logbooks       894       897       ✓         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, laboratory CC as applicable       NA       NA       ✓         36. Instrument raw data by instrument in analysis order       NA       NA       ✓         37. Standard and Reagent Preparation Logs       NA       NA       ✓         36. Instrument raw data by instrument in analys		FROM	TO	LAB	REGION
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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	✓	

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			FROM	TO	LAB	REGIO
Additional 44. EPA Shipp	ping/Receiving Documents					
Airbill	(No. of Shipments <u>6</u> )		898	903	✓	
Sample Ta	ags		NA	NA	✓	
Sample Lo	og-In Sheet (Lab)		904	905	✓	
45. Misc. Shi	ipping/Receiving Records(list all individua	al records)	NA	NA	✓	
	Lab Sample Transfer Records and Tracking S e or list)	Sheets	906	908		
	cords and related Communication Logs e or list)		 NA	NA		<u> </u>
48. Comments:	:					
Completed by (CLP Lab)		Nimisha Pandya, Docume (Print Name & Title)	ent Control	Officer		+ ~ )
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## **SDG NARRATIVE**

USEPA SDG # MDCZM3 CASE # 51967 CONTRACT # 68HERH20D0011 SOW# SFAM01.1 LAB NAME: Alliance Technical Group, LLC LAB CODE: ACE LAB ORDER ID # Q1255

## A. Number of Samples and Date of Receipt

14 Water samples were delivered to the laboratory intact on 01/31/2025, 02/01/2025.

### **B.** Parameters

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

### C. Cooler Temp

Indicator Bottle: Presence/Absence

Cooler: 2.1°C, 2.0°C, 1.8°C, 1.5°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.



G. Calculation:

## Calculation for ICP-MS Water Sample:

Concentration or Result (
$$\mu g/L$$
) = C x Vf Vf DF

Where,

C = Instrument value in ppb (The average of all replicate integrations) Vf = Final digestion volume (mL) Vi = Initial aliquot amount (mL) (Sample amount taken in prep) DF = Dilution Factor

## Example Calculation For Sample MDCZM3 For Aluminum:

If C = 11.25 ppb Vf = 50 ml Vi = 50 ml DF = 1 Concentration or Result ( $\mu$ g/L) = 11.25 x  $\frac{50}{50}$  x 1 = 11.25  $\mu$ g/L = 11  $\mu$ g/L (Reported Result with Signification)

## **Calculation for Hg Water Sample**:

Concentration or Result ( $\mu g/L$ ) = C x DF

Where,

C = Instrument response in  $\mu g/L$  from the calibration curve. DF = Dilution Factor

### **Example Calculation for MDCZP0:**

If C = 0.0381 ppb DF = 1 Concentration or Result ( $\mu$ g/L) = 0.0381 x 1 = 0.0381  $\mu$ g/L = 0.038  $\mu$ g/L (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 Selenium. 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
Aluminum	45Sc
Antimony	159Tb
Arsenic	89Y
Barium	159Tb
Beryllium	6Li
Cadmium	159Tb
Calcium	45Sc
Chromium	45Sc
Cobalt	45Sc
Copper	45Sc
Iron	45Sc
Lead	209Bi
Magnesium	45Sc
Manganese	45Sc
Nickel	45Sc
Potassium	45Sc



Selenium	89Y
Silver	159Tb
Sodium	45Sc
Thallium	209Bi
Vanadium	45Sc
Zinc	45Sc

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

Signature\_\_\_\_\_

Name: Nimisha Pandya

Date \_\_\_\_\_

Title: Document Control Officer