Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

DATA PACKAGE

SUB - DATA

PROJECT NAME : MC054.36 23-8-1 LM - LANDING LANE NEW BRUNSWICK

PROJECT # : P5094

R3M ENGINEERING, INC.

1405 Route 18 South Suite 208

Old Bridge, NJ - 08857

Phone No: 973-207-1820

ORDER ID : P5094

ATTENTION : Stacey L. Felts-Bock

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : P5094

Project ID : MC054.36 23-8-1 LM - Landing Lane New Brunswick

Client : R3M Engineering, Inc.

Lab Sample Number	Client Sample Number
P5094-01	LL-001
P5094-02	LL-001-FB-12-4-24

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 manager or his designee, as verified by the following signature.

Signature : _____ Date: 1/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

www.pacelabs.com

Report Prepared for:

Client Services
Chemtech
284 Sheffield Street
Mountainside NJ 07092

REPORT OF LABORATORY ANALYSIS FOR TCDD

Report Prepared Date:
December 31, 2024

Report Information:

Pace Project #: 10718047
Sample Receipt Date: 12/06/2024
Client Project #: P5094 Landing Lane
Client Sub PO #: N/A
State Cert #: N/A

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 2,3,7,8-TCDD Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Scott Unze, your Pace Project Manager.

This report has been reviewed by:

December 31, 2024

Scott Unze, Project Manager
(612) 607-6383
(612) 607-6444 (fax)
scott.unze@pacelabs.com

Report of Laboratory Analysis

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on two samples submitted by a representative of Chemtech. The samples were analyzed for the presence or absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) using USEPA Method 1613B. The reporting limits were set to correspond to the lowest calibration point and a nominal 1-liter sample amount, and the sensitivity was verified by signal-to-noise measurements. The quantitation limits, adjusted for sample extraction amount, may be somewhat higher or lower than the reporting limits provided in this report.

The recoveries of the isotopically-labeled TCDD internal standard in the sample extracts ranged from 72-82%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native TCDD was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of 2,3,7,8-TCDD at the reporting limit.

Laboratory spike samples were also prepared using clean reference matrix that had been fortified with native standard material. The results show that the spiked native TCDD was recovered at 104-110% with a relative percent difference of 5.6%. These results were within the target ranges for the method. Matrix spikes were not prepared with the sample batch.

Pace Analytical Services, LLC
1700 Elm Street SE
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-DW	27700
California	2929	North Carolina-WW	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (1700)	CL101
Georgia	959	Ohio-VAP (1800)	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon-Primary	MN300001
Illinois	200011	Oregon-Secondary	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-DEP	382
Minnesota	027-053-137	West Virginia-DW	9952C
Minnesota-Ag	via MN 027-053-137	Wisconsin	999407970
Minnesota-Petrofund	1240	Wyoming-UST	via A2LA 2926.01
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

H2 = Extracted outside of holding time

I = Isotope ratio out of specification

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Sample Analysis Results

Client - Chemtech

Client's Sample ID	01 LL-001		
Lab Sample ID	10718047001		
Filename	L241231A_07		
Injected By	SMT		
Total Amount Extracted	923 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/04/2024 11:05
ICAL ID	L240918	Received	12/06/2024 10:50
CCal Filename(s)	L241231A_01	Extracted	12/19/2024 10:05
Method Blank ID	BLANK-116099	Analyzed	12/31/2024 07:16

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	-----	10	2,3,7,8-TCDD-13C	2.00	72
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	83

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

A = Reporting Limit based on signal to noise (EDL)
R = Recovery outside target range
E = Exceeds calibration range

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Sample Analysis Results

Client - Chemtech

Client's Sample ID	02 LL-001-FB-12-4-24		
Lab Sample ID	10718047002		
Filename	L241231A_08		
Injected By	SMT		
Total Amount Extracted	915 mL	Matrix	WATER
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	12/04/2024 11:00
ICAL ID	L240918	Received	12/06/2024 10:50
CCal Filename(s)	L241231A_01	Extracted	12/19/2024 10:05
Method Blank ID	BLANK-116099	Analyzed	12/31/2024 08:01

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	-----	10	2,3,7,8-TCDD-13C	2.00	82
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	86

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

A = Reporting Limit based on signal to noise (EDL)
R = Recovery outside target range
E = Exceeds calibration range

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Blank Analysis Results

Lab Sample Name	DFBLKBA		
Lab Sample ID	BLANK-116099	Matrix	Water
Filename	F241230B_10	Dilution	NA
Total Amount Extracted	987 mL	Extracted	12/19/2024 10:05
ICAL ID	F241216	Analyzed	12/31/2024 04:47
CCal Filename(s)	F241230B_01	Injected By	SMT

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	-----	10	2,3,7,8-TCDD-13C	2.00	89
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	84

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-116100		
Filename	F241230B_02	Matrix	Water
Total Amount Extracted	995 mL	Dilution	NA
ICAL ID	F241216	Extracted	12/19/2024 10:05
CCal Filename	F241230B_01	Analyzed	12/30/2024 22:45
Method Blank ID	BLANK-116099	Injected By	SMT

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	11	7.3	14.6	110
2,3,7,8-TCDD-37Cl4	10	8.4	3.7	15.8	84
2,3,7,8-TCDD-13C	100	79	25.0	141.0	79

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-116101		
Filename	F241230B_03	Matrix	Water
Total Amount Extracted	1000 mL	Dilution	NA
ICAL ID	F241216	Extracted	12/19/2024 10:05
CCal Filename	F241230B_01	Analyzed	12/30/2024 23:31
Method Blank ID	BLANK-116099	Injected By	SMT

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	10	7.3	14.6	104
2,3,7,8-TCDD-37Cl4	10	8.0	3.7	15.8	80
2,3,7,8-TCDD-13C	100	77	25.0	141.0	77

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client	Chemtech		
Spike 1 ID	LCS-116100	Spike 2 ID	LCSD-116101
Spike 1 Filename	F241230B_02	Spike 2 Filename	F241230B_03

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDD	110	104	5.6

%REC = Percent Recovered
RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P5093
COC Number 2040990 P5094

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: R3M Engineering, INC
ADDRESS: 11 Landing Ln.
CITY New Brunswick STATE: NJ ZIP:
ATTENTION: Stacey L. Felts-Bock
PHONE: (973) 207-1820 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: MC054.36 23-B-1 LM - Landing Lane New Brunswick
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ Level 1 (Results Only)
- ❑ Level 2 (Results + QC)
- ❑ Level 3 (Results + QC + Raw Data)
- ❑ Level 4 (QC + Full Raw Data)
- ❑ NJ Reduced ❑ US EPA CLP
- ❑ NYS ASP A ❑ NYS ASP B
- ❑ Other _____
- ❑ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
VOC-TCL	SVOC-TCL BNA 20	Pest. / PCB	TOC	Dioxin	Metals	Cyanide		

PRESERVATIVES

1	2	3	4	5	6	7	8	9
A	E	E	C	E	B	D		

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

	CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.		LL-001	W.		X	12/4	1105	10	X	X	X	X	X	X	X		
2.		LL-001-FB-12-4-24	W		X	12/4	1100	10	X	X	X	X	X	X	X		
3.		TB-12-4-24	W		X	12/4	—	2	X								
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 1200 12/4/24	RECEIVED BY: 1.
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1300 12/4/24	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 5.3°C °C
Comments:

Page 1 of 1

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

LOW FLOW SAMPLING DATA SHEET

SHEET 1 OF 1

SITE: Landing Lane New Brunswick
DATE: 12-4-24
WEATHER:

CONSULTING FIRM: Alliance Technical Group
FIELD PERSONNEL: Gorge Vegilon

MONITOR WELL #:
WELL PERMIT #:
WELL DEPTH: 20'
WELL DIAMETER: 2" inches
SCREENED/OPEN INTERVAL:

PID/FID READINGS (ppm): BACKGROUND: 0.0
BENEATH OUTER CAP: 0.0
BENEATH INNER CAP: 0.0

PUMP INTAKE DEPTH: ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: 22.8' ft below TOC

TIME	PURGING	SAMPLING	pH (pH units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mv)		DISSOLVED OXYGEN (mg/l)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
0925	X		7.38	NA	0.266	NA	162	NA	4.60	NA	257	NA	15.42	NA	—	22.8'
0930	X		7.24	0.14	0.261	0.005	157	5	4.03	0.57	253	4	16.05	0.63	—	22.8'
0935	X		7.14	0.1	0.257	0.004	139	18	2.77	1.26	94.8	158.2	16.44	0.39	—	22.8'
0940	X		7.11	0.03	0.255	0.002	132	7	1.89	0.88	73.6	21.2	16.66	0.22	—	22.8'
0945	X		7.11	0	0.254	0.001	128	4	1.19	0.7	60.1	13.5	16.92	0.26	—	22.8'
0950	X		7.11	0	0.252	0.002	122	6	2.11	0.92	54.2	5.9	16.82	0.1	—	22.8'
0955	X		7.11	0	0.253	0.001	121	1	2.12	0.01	52.8	1.4	16.79	0.03	—	22.8'
1000	X		7.11	0	0.255	0.002	120	1	2.08	0.04	52.6	0.2	16.78	0.01	—	22.8'
1005		X	7.11	0	0.257	0.002	122	2	2.06	0.02	51.9	0.9	16.77	0.01	—	22.8'

COMMENTS:

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ±0.1 for pH; ±3% for Specific Conductivity and Temperature; ±10 mv for Redox Potential; and ±10% for Dissolved Oxygen and Turbidity.

Alliance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

FIELD SAMPLING LOG

Client Name: R3M Engineering, INC

Client Address: 11 Landing Ln. New Brunswick

Client Rep on Site: Stacey L. Fehto-Bock

Sampling Date: 12-4-24

Arrival Time: 0700 Departure Time: 1200

Project Name: MC054.36 23-8-1 LH-Landing Lane New Brunswick

Project Location: New Brunswick

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): —

FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)				
Calibration				ICV (± 0.1 pH unit)
	7.00 Buffer W 3071	4.00 Buffer W 3107	10.00 Buffer W 3094	7.00 Buffer W 3093
Time	0710	0712	0714	0716
Temp °C	14.92	14.96	14.90	14.93
pH	7.00	4.01	10.02	7.00

FIELD EQUIPMENT CALIBRATION

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)		
Calibration (± 1%) (99% -101%)		ICV (± 1%) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date: [signature] 12/4/24

Supervisor Review/Date: _____

Alliance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

FIELD SAMPLING LOG

Client Name: R3M Engineering, INC

Client Address: 11 Landing LN.

Client Rep on Site: Stacey L. Felts-Bock

Sampling Date: 12-4-24

Arrival Time: 0700 Departure Time: _____

Project Name: MC054 36 23-8-1 LM-Landing Lane New Brunswick

Project Location: New Brunswick

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): —

FIELD SAMPLING INFORMATION

Sampling Location	Date/Time of sampling	Field Measurements			
		Date/Time of Analysis	pH	Temperature °C	Specific Conductance (mS/cm) (99% -101%)
CCV (W3071)	12-4-24 0959	12-4-24 1001	7.01	16.70	0.266
LL-001	1003	1005	7.11	16.77	0.257
DUP	1007	1009	7.11	16.76	0.255
CCV (W3071)	1011	1013	7.00	16.72	0.264

Meter: YSI MPS, Model # 556, Serial # 085A0063

Sampler Signature/Date: 12/4/24

Supervisor Review/Date: _____

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : Pace Environmental	ORDER ID : P5094		BILL TO: CHEMTECH PO# : P5094
ADDRESS : 1700 Elm Street	PROJECT ID:MC054.36 23-8-1 LM - Landing Lane New Brunsw		ADDRESS : 284, Sheffield Street
CITY:Minneapolis State :Mn ZIP :55414	PROJECT MANAGER YAZMEEN		CITY: Mountainside State : NJ ZIP : 07092
E-mail :Carolynne.Trout@pacelabs.com or Scott.Unze@pacelabs.com	E-mail : YAZMEEN@CHEMTECH.NET		ATTENTION :YAZMEE
PHONE :317-432-5511	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : Excel NJ **Report :** Level 1 **Comment : NJDEP**

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS	
01	LL-001	Water	Dioxin (sub)	Cool 4 deg C	1613	12/04/2024	11:05:00	1	10	001
02	LL-001-FB-12-4-24	Water	Dioxin (sub)	Cool 4 deg C	1613	12/04/2024	11:00:00	1	10	002

WO# : 10718047

10718047

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUIESHED BY SAMPLER: 1. JT	DATETIME: 1630 12-4-24	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: 12/6/24 1050 ☐ Compliant ☐ Non Compliant Cooler Temp 1.3 Ice or Cooler?
RELINQUIESHED BY: 2.	DATETIME:	RECEIVED BY: 2.	Dioxin = 2,3,7,8 Tetrachlorodibenozo-p-Dioxin by Method 1613B 'TCDD' via High Resolution
RELINQUIESHED BY: 3.	DATETIME:	RECEIVED BY: 3.	☐ OVERNIGHT ☐ OVERNIGHT Page 1 of 1 Shipment Complete: ☐ YES ☐ NO

ENV-FRM-MIN4-0150 v17_Sample Condition Upon Receipt

CLIENT NAME: Alliance Technical Group **PROJECT #:** **WO#: 10718047**

PM: SCU **Due Date: 12/30/24**

CLIENT: CHEMTECH

COURIER: ☐ Client ☐ Commercial ☑ FedEx ☐ Pace ☐ SpeeDee ☐ UPS ☐ USPS

TRACKING NUMBER: 7704 9732 2388 ☐ See Exceptions form ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present: ☐ YES ☑ NO **Seals Intact:** ☐ YES ☑ NO **Biological Tissue Frozen:** ☐ YES ☐ NO ☑ N/A

Packing Material: ☑ Bubble Bags ☑ Bubble Wrap ☐ None ☐ Other **Temp Blank:** ☑ YES ☐ NO **Type of Ice:** ☐ Blue ☐ Dry ☑ Wet ☐ Melted ☐ None

Thermometer: ☐ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☑ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710)

Did Samples Originate in West Virginia: ☐ YES ☑ NO	**Were All Container Temps taken:** ☐ YES ☐ NO ☑ N/A
Correction Factor: -0.2 **Cooler Temp Read w/Temp Blank:** _____ °C **Cooler Temp Corrected w/Temp Blank:** _____ °C	**Average Corrected Temp (no Temp Blank Only):** _____ °C
***NOTE:** Temp should be above freezing to 6°C.*	☐ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container
USDA Regulated Soil: ☑ N/A – Water Sample/Other (describe): _____	**Initials & Date of Person Examining Contents:** DGS 12/6/24
Did Samples originate from one of the following states (check maps) – AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☐ NO	Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☐ NO

NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

LOCATION (check one): ☐ DULUTH ☑ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out?	☑	☐		1.
Chain of Custody Relinquished?	☑	☐		2.
Sampler Name and/or Signature on COC?	☐	☑	☐	3.
Samples Arrived within Hold Time?	☑	☐		4. If Fecal: ☐ <8 hrs ☐ >8 hr, <24 hr ☐ No
Short Hold Time Analysis (<72 hr)?	☐	☑		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/*E. coli* ☐ Other: _____
Rush Turn Around Time Requested?	☐	☑		6.
Sufficient Sample Volume?	☑	☐		7.
Correct Containers Used? – Pace Containers Used?	☑ ☑	☐ ☐	☐	8.
Containers Intact?	☑	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☑	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
Is sufficient information available to reconcile the samples to the COC? **NOTE:** If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☐ Soil ☑ Water ☐ Other	☑	☐		11. **If NO, write ID/Date/Time of container below:** ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☑	12. Sample #:
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☑	☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	☐	☐	☑	Positive for Residual Chlorine: ☐ YES ☐ NO
NOTE: If adding preservation to the container, **verify with the PM first.** Clients may require adding preservative to the field and equipment blanks when this occurs.				**pH Paper Lot #** (Residual Chlorine / 0-6 Roll / 0-6 Strip / 0-14 Strip) ☐ See Exceptions form ENV-FRM-MIN4-0142
Headspace in Methyl Mercury Container?	☐	☐	☑	13.
Extra labels present on soil VOA or WIDRO containers?	☐	☐	☑	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☑	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☐	☑	15.
Trip Blank Custody Seals Present?	☐	☐	☑	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION **FIELD DATA REQUIRED:** ☐ YES ☐ NO

Person Contacted: _____ Date & Time: _____

Comments / Resolution: _____

Project Manager Review: _____ **Date:** 12/06/24

***NOTE:** When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).*

Labeled By: DGS **Line:** 2