

## **SUB DATA PACKAGE**

**PROJECT NAME: AMTRAK SAWTOOTH BRIDGES 2024**

**PORTAL PARTNERS TRI-VENTURE**

**c/o Gannett Fleming Inc. Transit and Rail System**

**207 Senate Avenue**

**Camp Hill, PA - 17011**

**Phone No: 610-650-8101**

**ORDER ID: P4745**

**ATTENTION: Joseph Krupansky**



## Cover Page

**Order ID :** P4745

**Project ID :** Amtrak Sawtooth Bridges 2024

**Client :** Portal Partners Tri-Venture

**Lab Sample Number**

P4745-01

**Client Sample Number**

WB-307-SB02

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 :

N. N. Pandya

**APPROVED**

By Nimisha Pandya, QA/QC Supervisor at 11:46 am, Dec 04, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

November 11, 2024

PM  
AAS-NEW  
284 Sheffield Street  
Mountainside, NJ 07092  
TEL:  
FAX:  
RE: P4745

Dear PM:

Order No.: 24110656

Summit Environmental Technologies, Inc. received 1 sample(s) on 10/8/2024 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Jennifer Woolf

Project Manager

3310 Win St.  
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



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## Case Narrative

WO#: 24110656  
Date: 11/11/2024

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**CLIENT:** AAS-NEW

**Project:** P4745

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### WorkOrder Narrative:

24110656: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

### WorkOrder Comments:

Sample analyzed by SW846: 9023 EOX due to matrix; Results reported on "as received" basis.

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Original

These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

<b>U</b>	The compound was analyzed for but was not detected above the MDL.
<b>J</b>	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
<b>H</b>	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
<b>D</b>	The result is reported from a dilution.
<b>E</b>	The result exceeded the linear range of the calibration or is estimated due to interference.
<b>MC</b>	The result is below the Minimum Compound Limit.
<b>*</b>	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
<b>m</b>	Manual integration was used to determine the area response.
<b>d</b>	Manual integration in which peak was deleted
<b>N</b>	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
<b>P</b>	The second column confirmation exceeded 25% difference.
<b>C</b>	The result has been confirmed by GC/MS.
<b>X</b>	The result was not confirmed when GC/MS Analysis was performed.
<b>B</b>	The analyte was detected in the Method Blank at a concentration greater than the RL.
<b>MB+</b>	The analyte was detected in the Method Blank at a concentration greater than the MDL.
<b>G</b>	The ICB or CCB contained reportable amounts of analyte.
<b>QC-/+</b>	The CCV recovery failed low (-) or high (+).
<b>R/QDR</b>	The RPD was outside of accepted recovery limits.
<b>QL-/+</b>	The LCS or LCSD recovery failed low (-) or high (+).
<b>QLR</b>	The LCS/LCSD RPD was outside of accepted recovery limits.
<b>QM-/+</b>	The MS or MSD recovery failed low (-) or high (+).
<b>QMR</b>	The MS/MSD RPD was outside of accepted recovery limits.
<b>QV-/+</b>	The ICV recovery failed low (-) or high (+).
<b>S</b>	The spike result was outside of accepted recovery limits.
<b>W</b>	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
<b>Z</b>	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

### Acronyms

<b>ND</b>	Not Detected	<b>RL</b>	Reporting Limit
<b>QC</b>	Quality Control	<b>MDL</b>	Method Detection Limit
<b>MB</b>	Method Blank	<b>LOD</b>	Level of Detection
<b>LCS</b>	Laboratory Control Sample	<b>LOQ</b>	Level of Quantitation
<b>LCSD</b>	Laboratory Control Sample Duplicate	<b>PQL</b>	Practical Quantitation Limit
<b>QCS</b>	Quality Control Sample	<b>CRQL</b>	Contract Required Quantitation Limit
<b>DUP</b>	Duplicate	<b>PL</b>	Permit Limit
<b>MS</b>	Matrix Spike	<b>RegLvl</b>	Regulatory Limit
<b>MSD</b>	Matrix Spike Duplicate	<b>MCL</b>	Maximum Contamination Limit
<b>RPD</b>	Relative Percent Different	<b>MinCL</b>	Minimum Compound Limit
<b>ICV</b>	Initial Calibration Verification	<b>RA</b>	Reanalysis
<b>ICB</b>	Initial Calibration Blank	<b>RE</b>	Reextraction
<b>CCV</b>	Continuing Calibration Verification	<b>TIC</b>	Tentatively Identified Compound
<b>CCB</b>	Continuing Calibration Blank	<b>RT</b>	Retention Time
<b>RLC</b>	Reporting Limit Check	<b>CF</b>	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



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## Workorder Sample Summary

WO#: 24110656  
11-Nov-24

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**CLIENT:** AAS-NEW  
**Project:** P4745

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Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
24110656-001	WB-307-SB02		11/4/2024 10:45:00 AM	11/8/2024 9:10:00 AM	Solid



**SUMMIT**  
ENVIRONMENTAL TECHNOLOGIES, INC.  
Analytical Laboratories

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## DATES REPORT

WO#: 24110656

11-Nov-24

Client: AAS-NEW

Project: P4745

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
24110656-001A	WB-307-SB02	11/4/2024 10:45:00 AM	Solid	Extractable Organic Halides (EOX) (9			11/11/2024 9:00:00 AM

Original



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WO#: 24110656  
Date Reported: 11/11/2024  
Company: AAS-NEW  
Address: 284 Sheffield Street  
Mountainside NJ 07092  
Received: 10/8/2024  
Project#: P4745

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
WB-307-SB02	001	11/4/2024	Extractable Organic Halides	18.8	mg/Kg	J	Solid	EPA 9023	1	11.7	40.0	11/11/2024	KMS





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## Accreditation Program Analytes Report

WO#: 24110656

11-Nov-24

Client: AAS-NEW

State: NJ

Project: P4745

Program Name: W\_NPW\_SCM\_NI

Sample ID	Matrix	Test Name	Analyte	Status
24110656-001A	Solid	Extractable Organic Halides (EOX) (9023)	Extractable Organic Halides	A

AL	U	Unavailable	AR	N	Not Accredited	A-NELA	N	Not Accredited
CO	U	Unavailable	CT	A	Accredited	L-NELAI	A	Accredited
HI-DW	U	Unavailable	IA	N	Not Accredited	L-NELAF	A	Accredited
IN_DW	U	Unavailable	S - NELA	A	Accredited	KY_UST	A	Accredited

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Original #1



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## QC SUMMARY REPORT

WO#: 24110656

11-Nov-24

Client: AAS-NEW

Project: P4745

BatchID: R196736

Sample ID: <b>MB-R196736</b>	SampType: <b>MBLK</b>	TestCode: <b>EOX_S(9023)</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>196736</b>						
Client ID: <b>PBS</b>	Batch ID: <b>R196736</b>	TestNo: <b>SW9023</b>		Analysis Date: <b>11/11/2024</b>	SeqNo: <b>5320565</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	ND	40.0									U

Sample ID: <b>LCS-R196736</b>	SampType: <b>LCS</b>	TestCode: <b>EOX_S(9023)</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>196736</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>R196736</b>	TestNo: <b>SW9023</b>		Analysis Date: <b>11/11/2024</b>	SeqNo: <b>5320566</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	46.0	40.0	50.00	0	92.0	72	125				

Sample ID: <b>24110656-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EOX_S(9023)</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>196736</b>						
Client ID: <b>WB-307-SB02</b>	Batch ID: <b>R196736</b>	TestNo: <b>SW9023</b>		Analysis Date: <b>11/11/2024</b>	SeqNo: <b>5320568</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	530	40.0	500.0	18.75	102	78	136				

Sample ID: <b>24110656-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EOX_S(9023)</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>196736</b>						
Client ID: <b>WB-307-SB02</b>	Batch ID: <b>R196736</b>	TestNo: <b>SW9023</b>		Analysis Date: <b>11/11/2024</b>	SeqNo: <b>5320569</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	560	40.0	500.0	18.75	108	78	136	530.0	5.50	20	

**Qualifiers:** H Holding times for preparation or analysis exceeded  
ND Not Detected  
U Samples with CalcVal < MDL

J Analyte detected below quantitation limits  
PL Permit Limit  
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response  
RL Reporting Detection Limit

Original



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## QC SUMMARY REPORT

WO#: 24110656

11-Nov-24

Client: AAS-NEW

Project: P4745

BatchID: R196736

Sample ID: 24110656-001AMSD		SampType: MSD	TestCode: EOX_S(9023)		Units: mg/Kg	Prep Date:			RunNo: 196736		
Client ID: WB-307-SB02		Batch ID: R196736	TestNo: SW9023			Analysis Date: 11/11/2024			SeqNo: 5320569		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: <b>MB-R196736</b>	SampType: <b>MBLK</b>	TestCode: <b>EOX_S(9023)</b> Units: <b>mg/Kg</b>			Prep Date:				RunNo: <b>196736</b>		
Client ID: <b>PBS</b>	Batch ID: <b>R196736</b>	TestNo: <b>SW9023</b>			Analysis Date: <b>11/11/2024</b>				SeqNo: <b>5320582</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Organic Halides	ND	40.0									U

Qualifiers: H Holding times for preparation or analysis exceeded  
ND Not Detected  
U Samples with CalcVal < MDL

J Analyte detected below quantitation limits  
PL Permit Limit  
W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response  
RL Reporting Detection Limit

Original

# CHEMTECH

## CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P4718**  
QUOTE NO. **p4745**  
COC Number **2042034**

### CLIENT INFORMATION

#### REPORT TO BE SENT TO:

COMPANY: Glannett Fleming  
ADDRESS: 1010 Adams Avenue  
CITY: Audobon STATE: PA ZIP: 19403  
ATTENTION: Joe Krupowsky  
PHONE: 610-801-8362 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak's sep. of SB  
PROJECT NO.: 9500000218 LOCATION: Keating NJ  
PROJECT MANAGER: Joe Krupowsky  
e-mail: QAQC@bamays.com  
PHONE: 610-801-8362 FAX:

### CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:   
ADDRESS: 984 Sheffield St.  
CITY: Mountainside STATE: NJ ZIP: 07092  
ATTENTION: Samantha PHONE:

### ANALYSIS

### DATA TURNAROUND INFORMATION

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

### DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other \_\_\_\_\_  
☐ EDD FORMAT BEM EDD.

1. TA VOC+10  
2. TA PAH  
3. TAH NPAHs  
4. PCB's  
5. CAHs, G/LV  
6. EPH  
7. TOX  
8. EVAA TCA P  
9. RCRA Parameters

### PRESERVATIVES

### COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A		B		F						← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
1.	<u>WB-307-SW</u>	<u>GW</u>		<u>X</u>	<u>11/04</u>	<u>8:20</u>	<u>7</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
2.	<u>WB-307-SB01</u>	<u>S</u>	<u>X</u>		<u>11/04</u>	<u>9:45</u>	<u>10</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
3.	<u>WB-307-SB02</u>	<u>S</u>	<u>X</u>		<u>11/04</u>	<u>10:45</u>	<u>10</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		
4.	<u>TB-11042024</u>																	
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>Yvonda</u>	DATE/TIME: <u>11/6/24 11:19</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input checked="" type="checkbox"/> COOLER TEMP <u>4.0</u> °C Comments: <u>No Ice.</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>12:15</u> <u>11-3-2024</u>	RECEIVED BY: <u>[Signature]</u>	

Page \_\_\_\_ of \_\_\_\_

CLIENT: ☐ Hand Delivered ☐ Other \_\_\_\_\_  
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

241106510

**CHAIN OF CUSTODY RECORD**

Sub Lab INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
COMPANY : Summit Enviromental Technologies II		ORDER ID : P4745		BILL TO: CHEMTECH PO# : p4745	
ADDRESS : 3310 Win St		PROJECT ID: Amtrak Sawtooth Bridges 2024		ADDRESS : 284, Sheffield Street	
CITY: Cuyahoga State : Ohio ZIP : 44223		PROJECT MANAGER YAZMEEN		CITY: Mountainside State : NJ ZIP : 07092	
E-mail :		E-mail : YAZMEEN@CHEMTECH.NET		ATTENTION : YAZMEE	
PHONE : 330-253-8211		PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922	

EDD : EXCEL NJCLEAN

Report : NJ Reduced

Comment :

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	WB-307-SB02	Solid	TOX	Cool 4 deg C	9023	11/04/2024	10:45:00	1	10

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

RELINQUISHED BY SAMPLER:	DATETIME:	RECEIVED BY:	Conditions of bottles or Coolers at receipt:	<input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant	Cooler Temp _____
1.	11/7/22	1.			Ice or Cooler? _____
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	3.0-0.1=3.5 FedEx cooler 7798 11874207 Page 10 of 11		
2.		2.			
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	<input type="checkbox"/> OVERNIGHT Shipment Complete:		
3.		3.	<input type="checkbox"/> OVERNIGHT <input type="checkbox"/> YES <input type="checkbox"/> NO		

P4745

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## Sample Log-In Check List

Client Name: CHE-NJ-07972

Work Order Number: 24110656

RcptNo: 1

Logged by: Christina N. Gemma 10/8/2024 9:10:00 AM  
Completed By: Christina N. Gemma 11/8/2024 5:39:23 PM  
Reviewed By: Jennifer Woolf 11/11/2024 11:33:51 AM

*C. Gemma*  
*C. Gemma*  
*Jennifer Woolf*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
2. How was the sample delivered? FedEx  
Tracking No.: 779811874267

### Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐  
4. Shipping container/cooler in good condition? Yes ☒ No ☐  
Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒  
No. Seal Date: Signed By:  
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐  
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐  
7. Sample(s) in proper container(s)? Yes ☒ No ☐  
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐  
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒  
12. Were any sample containers received broken? Yes ☐ No ☒  
13. Does paperwork match bottle labels? Yes ☒ No ☐  
(Note discrepancies on chain of custody)  
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
15. Is it clear what analyses were requested? Yes ☒ No ☐  
16. Were all holding times able to be met? Yes ☒ No ☐  
(If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:  Date:   
By Whom:  Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding:   
Client Instructions:

18. Additional remarks:

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.5	Good	Not Present			