



Stantec Consulting Services Inc.
1165 Scheuring Road, De Pere, Wisconsin 54115-1001

May 2, 2022

Ms. Maizie Reif
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727
Via Email: maizie.reif@wisconsin.gov

RE: Vapor Assessment Update for the Former Wausaukee Laundromat – 816 North Avenue, Wausaukee, Wisconsin; BRRTS #02-38-549224

Dear Ms. Reif:

Stantec Consulting Services Inc. (Stantec) is providing a vapor assessment update for the Former Wausaukee Laundromat, 816 North Avenue, Wausaukee, Wisconsin (the Property or Site). Site location is shown on the attached Figure 1. This letter presents the results of additional vapor investigation activities completed at the Site between June 2021 and January 2022.

BACKGROUND INFORMATION

The Property consists of a 0.23-acre parcel located north of North Avenue within a mixed commercial and residential area of Wausaukee, Wisconsin. The Property formerly operated as a laundromat and dry-cleaning facility. Current improvements on the Property consist of a single-story building with paved driveway and landscaping.

The Site is currently listed in the Wisconsin Department of Natural Resources (WDNR) Bureau of Remediation and Redevelopment Tracking System (BRRTS) (#02-38-549224) and is currently owned by Marinette County. Site investigation activities were previously completed at the Property which included the installation of several soil borings, monitoring wells, and associated soil and groundwater sampling. Subsequently, the WDNR reviewed this information and determined that further investigation was needed. More specifically, the WDNR requested the following tasks be completed:

- Perform sanitary sewer vapor investigation.
- Complete vapor investigation at the Ranger Family Restaurant.
- Complete vapor investigation at the home located across Division Street.
- Installation of an additional piezometer near the source of chlorinated impacts, (just east of former laundromat building). The piezometer is to be nested with existing monitoring well MW-8. It is suggested that the piezometer tag bedrock similar to that of PZ-6 which is installed at 92 feet below ground surface (bgs).
- Complete an additional round of groundwater sampling for volatile organic compounds (VOCs) from all network monitoring wells.

To assist Marinette County with these activities and better position the Property for a future case closure request, Stantec was retained to complete the recommended vapor investigation on and off-site. The results of the additional vapor investigation activities conducted at the Site are summarized below.

Sub-Slab Vapor Sampling Overview

In April 2021 Stantec secured access to the Siem Residence and the Ranger Family Restaurant to conduct vapor intrusion sampling. On June 2, 2021, Stantec completed the installation of two sub-slab vapor points. One vapor point was installed within the former Wausaukee Laundromat along the west central portion of the



Reference: Vapor Assessment Update, Former Wausaukee Laundromat, 816 North Avenue, Wausaukee, WI BRRTS# 02-38-549224

building (VP1). The second vapor point was installed within the Ranger Family Restaurant along the south-central portion of the basement (VP2). Vapor point locations can be found on the attached Figure 2. The sub-slab vapor points consisted of a prefabricated stainless-steel Vapor Pin® equipped with a silicone sleeve which were inserted into a 5/8-inch diameter hole drilled through the concrete slab of each property building using a rotary hammer drill. After installing the vapor points, a soil gas air sample was collected from each location using a laboratory-supplied certified clean 6-liter, stainless-steel, Summa® canister equipped with a stainless-steel flow controller to maintain a constant flow for an approximate 30-minute sampling period. The air samples were submitted for laboratory analysis for tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, cis-1,2-dichloroethene, and trans-1,2-dichloroethene using EPA Modified Method TO-15.

On the same day, Stantec initiated ambient (indoor air) samples within the Siem residential property, the former Wausaukee Laundromat, and the Ranger Family Restaurant. Two ambient air samples were collected from the Siem residence. One sample was collected in the eastern half of the basement (IA-1) which has a dirt floor. The second sample was collected on the first floor of the residence (IA-2) along the north central portion of home. This portion of the home was built directly on the ground surface with no basement or concrete slab beneath. Likewise, an ambient air sample was also collected within the former Wausaukee Laundromat (IA-3) along the south-central portion of the site building. Finally, two ambient air samples were collected from the Ranger Family Restaurant building. One sample was collected from the central portion of the restaurant's first floor within the kitchen (IA-4) and one within the restaurant's basement between two existing sanitary sewer drains (IA-5). It should be noted that the restaurant's basement only covers the southern half of the site building. Ambient air samples were collected from each location using a laboratory-supplied certified clean 6-liter, stainless-steel, Summa® canister equipped with a stainless-steel flow controller to maintain a constant flow for an approximate 24-hour sampling period. The air samples were collected the following day on June 3, 2021, and submitted for laboratory analysis for PCE, TCE, vinyl chloride, cis-1,2-dichloroethene, and trans-1,2-dichloroethene using EPA Modified Method TO-15. Ambient (indoor air) sample locations can be found on the attached Figure 2.

Finally, on June 2, 2021, Stantec also collected a headspace air sample from the sanitary sewer manhole located at the intersection of Division Street and North Avenue (HA-1). The air sample was collected from the location using a laboratory-supplied certified clean 6-liter, stainless-steel, Summa® canister equipped with a stainless-steel flow controller to maintain a constant flow for an approximate 30-minute sampling period. The air sample was submitted for laboratory analysis for PCE, TCE, vinyl chloride, cis-1,2-dichloroethene, and trans-1,2-dichloroethene using EPA Modified Method TO-15. The headspace air sample location can be found on the attached Figure 2.

Vapor sampling was repeated six months later within the heating season on January 27 and 28, 2022. Ambient/headspace air and sub-slab vapor samples were collected from the same locations and for the same laboratory analysis.

Sub-Slab Vapor Analytical Results

PCE and TCE were detected in sub-slab vapor samples collected from both the former Wausaukee Laundromat and the Ranger Family Restaurant during the June 2021 sampling event. However, during the January 2022 sampling event, TCE was no longer detected within either of the former laundromat or Ranger Family Restaurant samples collected. Although detected, PCE and TCE sample concentrations were below the target vapor risk screening levels (VRSLs) for residential, small commercial, and large commercial/industrial sites.

Similarly, PCE was also detected within ambient and headspace air samples collected from the Siem basement, Siem first floor, laundromat, restaurant basement, restaurant first-floor kitchen, and the sanitary sewer manhole during the January sampling event. PCE was not, however, detected in samples collected from the Siem residence first floor or the laundromat during the June sampling event. Although detected, PCE concentrations in all ambient and headspace air samples were below indoor air vapor action levels (VALs) for residential, small commercial, and large commercial/industrial sites. Air sample results can be found on the attached Tables 1a and 1b. Sub-slab vapor laboratory analytical reports are included in Attachment D.



Reference: Vapor Assessment Update, Former Wausaukee Laundromat, 816 North Avenue, Wausaukee, WI BRRTS# 02-38-549224

CONCLUSION

Stantec conducted sub-slab vapor sampling within the former Wausaukee Laundromat and the Ranger Family Restaurant. In addition, ambient air samples were also collected within the former laundromat as well as the basement and first-floors of the neighboring Siem residence and Ranger Family Restaurant. Finally, headspace air samples were also collected within the sanitary sewer manhole located at the intersection of Division Street and North Avenue. Samples were collected in June 2021 (cooling months of summer) as well as in January 2022 (heating months of winter).

PCE and TCE were detected in sub-slab vapor samples collected from both the former Wausaukee Laundromat and the Ranger Family Restaurant during the June 2021 sampling event. However, during the January 2022 sampling event, TCE was no longer detected within either of the former laundromat or Ranger Family Restaurant samples collected. Although detected, PCE and TCE sample concentrations were below established VRSLs for residential, small commercial, and large commercial/industrial sites.

Similarly, PCE was also detected within ambient and headspace air samples collected from the Siem basement, Siem first floor, laundromat, restaurant basement, restaurant first-floor kitchen, and the sanitary sewer manhole during the January sampling event. PCE was not, however, detected in samples collected from the Siem residence first floor or the laundromat during the June sampling event. Although detected, PCE concentrations in all ambient and headspace air samples were below established indoor air VALs for residential, small commercial, and large commercial/industrial sites.

Overall, vapor analysis shows TCE and/or PCE concentrations are present at all three properties. However, resulting concentrations have all been below applicable WDNR VRSLs and VALs. Stantec recommends that no further action is needed at this time regarding vapor intrusion investigation and the vapor mitigation does not appear to be necessary. Please feel free to contact us with any questions.

Regards,

Lynelle P. Caine
Associate
Phone: (920) 655-7211
Lynelle.Caine@stantec.com

Jeffrey R. Brand
Environmental Scientist
Phone: (920) 883-8501
Jeff.Brand@stantec.com

Figures
Tables
Attachments

c. John Lefebvre – Marinette County



March 25, 2022
Maizie Reif
Page 4 of 5

Reference: Vapor Assessment Update, Former Wausaukee Laundromat, 816 North Avenue, Wausaukee, WI BRRTS# 02-38-549224

CERTIFICATION

"I, Stuart J. Gross, PG, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

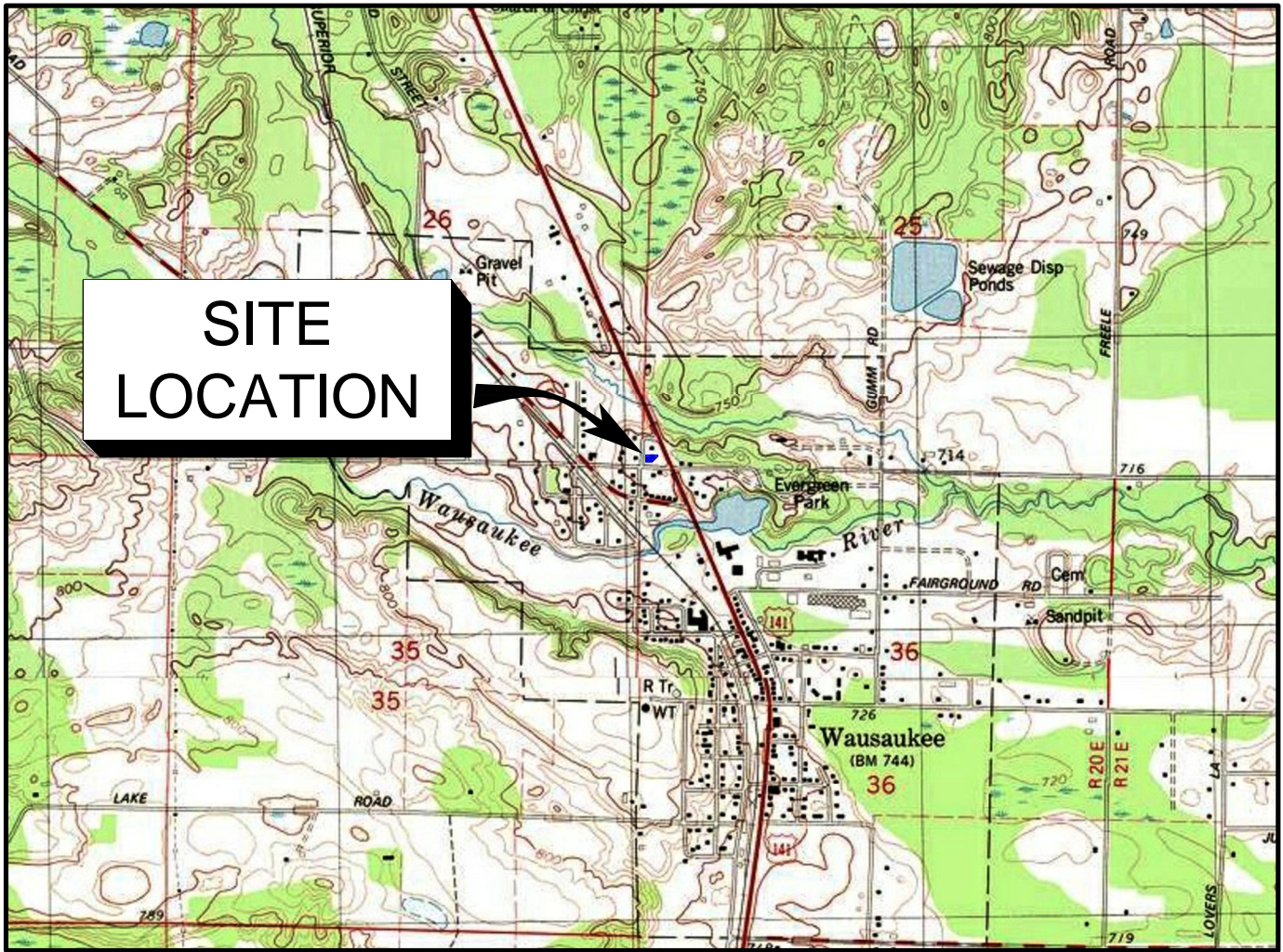
Gross, P.G.

May 2, 2022

Date

Stuart

FIGURES



**SITE
LOCATION**

SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, WAUSAUKEE NORTH, WISCONSIN, 1980 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)



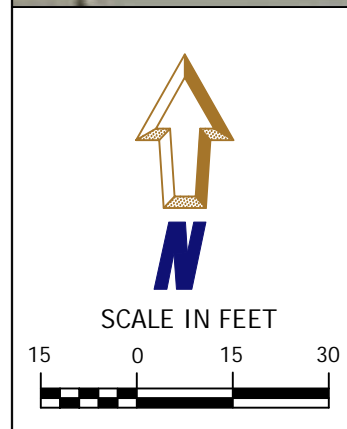
1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-84844

SITE LOCATION MAP

**FORMER WAUSAUKEE LAUNDROMAT
816 NORTH AVENUE
WAUSAUKEE, WISCONSIN**

This drawing and all information contained thereon is the property of Stantec. Stantec will not be held liable for improper or incorrect usage. Professional seals and signatures do not apply to electronic drawing files. The user assumes all responsibility and risk for the accuracy and verification of all information contained in electronic files.

DATE: 04/29/21	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193708272	FIGURE 1
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LEGEND	
	APPROXIMATE PROPERTY LINE (BRRTS #02-38-549224)
	MANHOLE
	SUB-SLAB VAPOR POINT SAMPLE LOCATION
	INDOOR AIR SAMPLE LOCATION
	HEADSPACE AIR SAMPLE LOCATION



1165 Scheuring Road, Green Bay, Wisconsin 54115
 Phone: 920-592-8400 Fax: 920-592-8444

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DATE: 06/23/21 DRAWN BY: JRB PROJECT MANAGER: LPC

SITE LAYOUT WITH VAPOR SAMPLE LOCATIONS

FORMER WAUSAUKEE LAUNDROMAT
 816 NORTH AVENUE
 WAUSAUKEE, WISCONSIN

PROJECT NUMBER: 193708272 FIGURE 3



TABLES

1.a. Sub-Slab Vapor Sampling Analytical Results Table - VOCs, Former Wausaukee Laundromat, 816 N Avenue, Wausaukee, Wisconsin

Sample Point	Cannister Number	Location	Vacuum Testing of Sampling Fittings** (Pass/Fail)	Water Dam (Pass/Fail)	Date Sampled	Date Analyzed	Sample Duration (minutes)	cis-1,2-Dichloroethylene	Tetrachloroethene (PCE)	trans-1,2-Dichloroethylene	Trichloroethene (TCE)	Vinyl Chloride
Target Vapor Risk Screening Levels (VRSLs) (µg/m³)							Residential	NE	1,400	1,400	70	56
							Small Commercial	NE	5,800	5,800	290	930
							Large Commercial/Industrial	NE	18,000	18,000	880	2,800
VP-1	4074	Laundromat Sub-Slab	Pass	Pass	6/2/2021	6/7/2021	30	<0.13	390	<0.35	1.9	<0.072
	9196	Laundromat Sub-Slab	Pass	Pass	1/27/2022	2/4/2022	30	<0.65	610	<1.7	<0.64	<0.36
VP-2	5961	Restaurant Sub-Slab	Pass	Pass	6/2/2021	6/7/2021	30	<0.13	480	<0.35	0.49 J	<0.072
	2778	Restaurant Sub-Slab	Pass	Pass	1/27/2022	2/4/2022	30	<0.39	500	<1.0	<0.39	<0.21

Notes:

XXX

= analyte detected exceeding the target sub-slab VRSL for residential buildings

XXX

= analyte detected exceeding the target sub-slab VRSL for small commercial buildings

XXX

= analyte detected exceeding the target sub-slab VRSL for large commercial/industrial buildings

*

= screening levels from USEPA Region 3 Screening Level Table - September 2021 and, if applicable, representing 1 in 100,000 cancer risk

<x

= analyte not detected to a detection limit of x

"J"

= analyte exceeds the limit of detection but is below the limit of quantification

**

= a vacuum of greater than 50 inches of water was applied to the hoses and fittings used to collect each sample. A passing grade was given if no noticeable drop in vacuum was observed after at least 1 minute

NE

= not established

1.b. Indoor Air Vapor Sampling Analytical Results Table - VOCs, Former Wausaukee Laundromat, 816 N Avenue, Wausaukee, Wisconsin

Sample Point	Cannister Number	Location	Shut-In Testing of Sampling Fittings ** (Pass/Fail)	Initial Vacuum Reading (mmHg)	Date Sampled	Date Analyzed	Sample Duration	cis-1,2-Dichloroethylene	Tetrachloroethene (PCE)	trans-1,2-Dichloroethylene	Trichloroethene (TCE)	Vinyl Chloride
Indoor Air Vapor Action Level (VAL) (µg/m³)							Residential	NE	42	42	2.1	1.7
							Small Commercial	NE	180	180	8.8	28
							Large Commercial/Industrial	NE	180	180	8.8	28
IA-1	5414	Siem Basement (Dirt Floor)	Pass	-30	6/2/2021	6/5/2021	24-Hour	<0.13	0.44 J	<0.35	<0.13	<0.072
	4433	Siem Basement (Dirt Floor)	Pass	-25	1/27/2022	2/4/2022	24-Hour	<0.13	1.3 J	<0.35	<0.13	<0.072
IA-2	4553	Siem 1st Floor	Pass	-30	6/2/2021	6/5/2021	24-Hour	<0.13	<0.18	<0.35	<0.13	<0.072
	34000605	Siem 1st Floor	Pass	-25	1/27/2022	2/4/2022	24-Hour	<0.13	2.0	<0.35	<0.13	<0.072
IA-3	5460	Laundromat	Pass	-30	6/2/2021	6/5/2021	24-Hour	<0.13	<0.18	<0.35	<0.13	<0.072
	4316	Laundromat	Pass	-30	1/27/2022	2/4/2022	24-Hour	<0.13	8.8	<0.35	<0.13	<0.072
IA-4	5416	Restaurant Kitchen	Pass	-30	6/2/2021	6/5/2021	24-Hour	<0.13	0.60 J	<0.35	<0.13	<0.072
	3792	Restaurant Kitchen	Pass	-28	1/27/2022	2/4/2022	24-Hour	<0.13	1.8	<0.35	<0.13	<0.072
IA-5	5400	Restaurant Basement	Pass	-30	6/2/2021	6/5/2021	24-Hour	<0.13	23	<0.35	<0.13	<0.072
	3559	Restaurant Basement	Pass	-30	1/27/2022	2/4/2022	24-Hour	<0.13	3.6	<0.35	<0.13	<0.072
HA-1	4781	Sanitary Sewer Headspace	Pass	-30	6/2/2021	6/5/2021	30-Minute	<0.13	26	<0.35	<0.13	<0.072
	5638	Sanitary Sewer Headspace	Pass	>-30	1/27/2022	2/4/2022	30-Minute	<0.13	11	<0.35	<0.13	<0.072

Notes:

- XXX = analyte detected exceeding the indoor air VAL for residential buildings
- XXX = analyte detected exceeding the indoor air VAL for small commercial & large commercial/industrial buildings
- * = screening levels from USEPA Region 3 Screening Level Table - September 2021 and, if applicable, representing 1 in 100,000 cancer risk
- <x = analyte not detected to a detection limit of x
- "J" = analyte exceeds the limit of detection but is below the limit of quantification
- NE = not established
- ** = cannister passed test if initial vacuum on sample cannister was greater than -25 mm of Mercury during initial shut in testing



Attachment A

Laboratory Analytical Reports

ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-58757-1

Client Project/Site: Former Wausaukee Laundromat -
193708272

For:

Stantec Consulting Corp.
1165 Scheuring Road
De Pere, Wisconsin 54115

Attn: Mr. Jeff Brand



Authorized for release by:
6/8/2021 8:33:17 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Job ID: 200-58757-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

Job Narrative 200-58757-1

Comments

No additional comments.

Receipt

The samples were received on 6/4/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: CAN # 5416 (200-58757-6). The associated flow controller was evaluated upon receipt and was found to be outside the acceptable flow range as compared to the original set flow rate. The residual vacuum for sample 200-58757-6 is just above the target range. It will have no effect on the sample data or RL.

Air Toxics

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5414

Lab Sample ID: 200-58757-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.065	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.44	J	1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN # 4553

Lab Sample ID: 200-58757-2

No Detections.

Client Sample ID: CAN # 5460

Lab Sample ID: 200-58757-3

No Detections.

Client Sample ID: CAN # 4074

Lab Sample ID: 200-58757-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	57	E	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.34		0.20	0.024	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene - DL	58		0.40	0.054	ppb v/v	2		TO-15	Total/NA
Trichloroethene - DL	0.31	J	0.40	0.048	ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	390	E	1.4	0.18	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.9		1.1	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene - DL	390		2.7	0.37	ug/m3	2		TO-15	Total/NA
Trichloroethene - DL	1.7	J	2.1	0.26	ug/m3	2		TO-15	Total/NA

Client Sample ID: CAN # 5961

Lab Sample ID: 200-58757-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	73	E	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.092	J	0.20	0.024	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene - DL	71		0.80	0.11	ppb v/v	4		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	500	E	1.4	0.18	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.49	J	1.1	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene - DL	480		5.4	0.73	ug/m3	4		TO-15	Total/NA

Client Sample ID: CAN # 5416

Lab Sample ID: 200-58757-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.089	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.60	J	1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN # 5400

Lab Sample ID: 200-58757-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.3		0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	23		1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN # 4781

Lab Sample ID: 200-58757-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.9		0.20	0.027	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 4781

Lab Sample ID: 200-58757-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	26		1.4	0.18	ug/m3	1		TO-15	Total/NA

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5414

Lab Sample ID: 200-58757-1

Date Collected: 06/03/21 10:03

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/05/21 03:14	1
Tetrachloroethene	0.065	J	0.20	0.027	ppb v/v			06/05/21 03:14	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/05/21 03:14	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/05/21 03:14	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/05/21 03:14	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/05/21 03:14	1
Tetrachloroethene	0.44	J	1.4	0.18	ug/m3			06/05/21 03:14	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/05/21 03:14	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/05/21 03:14	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/05/21 03:14	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 4553

Lab Sample ID: 200-58757-2

Date Collected: 06/03/21 10:00

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/05/21 04:07	1
Tetrachloroethene	<0.027		0.20	0.027	ppb v/v			06/05/21 04:07	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/05/21 04:07	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/05/21 04:07	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/05/21 04:07	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/05/21 04:07	1
Tetrachloroethene	<0.18		1.4	0.18	ug/m3			06/05/21 04:07	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/05/21 04:07	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/05/21 04:07	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/05/21 04:07	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5460

Lab Sample ID: 200-58757-3

Date Collected: 06/03/21 10:19

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/05/21 05:01	1
Tetrachloroethene	<0.027		0.20	0.027	ppb v/v			06/05/21 05:01	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/05/21 05:01	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/05/21 05:01	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/05/21 05:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/05/21 05:01	1
Tetrachloroethene	<0.18		1.4	0.18	ug/m3			06/05/21 05:01	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/05/21 05:01	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/05/21 05:01	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/05/21 05:01	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 4074

Lab Sample ID: 200-58757-4

Date Collected: 06/02/21 10:40

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/07/21 18:51	1
Tetrachloroethene	57	E	0.20	0.027	ppb v/v			06/07/21 18:51	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/07/21 18:51	1
Trichloroethene	0.34		0.20	0.024	ppb v/v			06/07/21 18:51	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/07/21 18:51	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/07/21 18:51	1
Tetrachloroethene	390	E	1.4	0.18	ug/m3			06/07/21 18:51	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/07/21 18:51	1
Trichloroethene	1.9		1.1	0.13	ug/m3			06/07/21 18:51	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/07/21 18:51	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.066		0.40	0.066	ppb v/v			06/07/21 19:44	2
Tetrachloroethene	58		0.40	0.054	ppb v/v			06/07/21 19:44	2
trans-1,2-Dichloroethene	<0.18		0.40	0.18	ppb v/v			06/07/21 19:44	2
Trichloroethene	0.31	J	0.40	0.048	ppb v/v			06/07/21 19:44	2
Vinyl chloride	<0.056		0.40	0.056	ppb v/v			06/07/21 19:44	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.26		1.6	0.26	ug/m3			06/07/21 19:44	2
Tetrachloroethene	390		2.7	0.37	ug/m3			06/07/21 19:44	2
trans-1,2-Dichloroethene	<0.70		1.6	0.70	ug/m3			06/07/21 19:44	2
Trichloroethene	1.7	J	2.1	0.26	ug/m3			06/07/21 19:44	2
Vinyl chloride	<0.14		1.0	0.14	ug/m3			06/07/21 19:44	2

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5961

Lab Sample ID: 200-58757-5

Date Collected: 06/02/21 12:05

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/07/21 20:37	1
Tetrachloroethene	73	E	0.20	0.027	ppb v/v			06/07/21 20:37	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/07/21 20:37	1
Trichloroethene	0.092	J	0.20	0.024	ppb v/v			06/07/21 20:37	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/07/21 20:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/07/21 20:37	1
Tetrachloroethene	500	E	1.4	0.18	ug/m3			06/07/21 20:37	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/07/21 20:37	1
Trichloroethene	0.49	J	1.1	0.13	ug/m3			06/07/21 20:37	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/07/21 20:37	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.80	0.13	ppb v/v			06/07/21 21:30	4
Tetrachloroethene	71		0.80	0.11	ppb v/v			06/07/21 21:30	4
trans-1,2-Dichloroethene	<0.35		0.80	0.35	ppb v/v			06/07/21 21:30	4
Trichloroethene	<0.096		0.80	0.096	ppb v/v			06/07/21 21:30	4
Vinyl chloride	<0.11		0.80	0.11	ppb v/v			06/07/21 21:30	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.52		3.2	0.52	ug/m3			06/07/21 21:30	4
Tetrachloroethene	480		5.4	0.73	ug/m3			06/07/21 21:30	4
trans-1,2-Dichloroethene	<1.4		3.2	1.4	ug/m3			06/07/21 21:30	4
Trichloroethene	<0.52		4.3	0.52	ug/m3			06/07/21 21:30	4
Vinyl chloride	<0.29		2.0	0.29	ug/m3			06/07/21 21:30	4

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5416

Lab Sample ID: 200-58757-6

Date Collected: 06/03/21 11:43

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/05/21 05:54	1
Tetrachloroethene	0.089	J	0.20	0.027	ppb v/v			06/05/21 05:54	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/05/21 05:54	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/05/21 05:54	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/05/21 05:54	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/05/21 05:54	1
Tetrachloroethene	0.60	J	1.4	0.18	ug/m3			06/05/21 05:54	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/05/21 05:54	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/05/21 05:54	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/05/21 05:54	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5400

Lab Sample ID: 200-58757-7

Date Collected: 06/03/21 11:44

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/05/21 06:47	1
Tetrachloroethene	3.3		0.20	0.027	ppb v/v			06/05/21 06:47	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/05/21 06:47	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/05/21 06:47	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/05/21 06:47	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/05/21 06:47	1
Tetrachloroethene	23		1.4	0.18	ug/m3			06/05/21 06:47	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/05/21 06:47	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/05/21 06:47	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/05/21 06:47	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 4781

Lab Sample ID: 200-58757-8

Date Collected: 06/02/21 12:30

Matrix: Air

Date Received: 06/04/21 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/05/21 07:40	1
Tetrachloroethene	3.9		0.20	0.027	ppb v/v			06/05/21 07:40	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/05/21 07:40	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/05/21 07:40	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/05/21 07:40	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/05/21 07:40	1
Tetrachloroethene	26		1.4	0.18	ug/m3			06/05/21 07:40	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/05/21 07:40	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/05/21 07:40	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/05/21 07:40	1

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-167574/4
Matrix: Air
Analysis Batch: 167574

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/04/21 11:20	1
Tetrachloroethene	<0.027		0.20	0.027	ppb v/v			06/04/21 11:20	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/04/21 11:20	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/04/21 11:20	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/04/21 11:20	1

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/04/21 11:20	1
Tetrachloroethene	<0.18		1.4	0.18	ug/m3			06/04/21 11:20	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/04/21 11:20	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/04/21 11:20	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/04/21 11:20	1

Lab Sample ID: LCS 200-167574/3
Matrix: Air
Analysis Batch: 167574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
cis-1,2-Dichloroethene	10.4	9.95		ppb v/v		96	72 - 121	
Tetrachloroethene	10.5	10.1		ppb v/v		97	70 - 125	
trans-1,2-Dichloroethene	10.3	9.60		ppb v/v		93	69 - 137	
Trichloroethene	10.3	9.97		ppb v/v		97	73 - 122	
Vinyl chloride	9.99	9.55		ppb v/v		96	61 - 135	

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
cis-1,2-Dichloroethene	41	39.5		ug/m3		96	72 - 121	
Tetrachloroethene	71	68.7		ug/m3		97	70 - 125	
trans-1,2-Dichloroethene	41	38.1		ug/m3		93	69 - 137	
Trichloroethene	55	53.6		ug/m3		97	73 - 122	
Vinyl chloride	26	24.4		ug/m3		96	61 - 135	

Lab Sample ID: MB 200-167613/4
Matrix: Air
Analysis Batch: 167613

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			06/07/21 10:00	1
Tetrachloroethene	<0.027		0.20	0.027	ppb v/v			06/07/21 10:00	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			06/07/21 10:00	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			06/07/21 10:00	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			06/07/21 10:00	1

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			06/07/21 10:00	1
Tetrachloroethene	<0.18		1.4	0.18	ug/m3			06/07/21 10:00	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			06/07/21 10:00	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			06/07/21 10:00	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			06/07/21 10:00	1

Eurofins TestAmerica, Burlington

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-167613/3
Matrix: Air
Analysis Batch: 167613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	10.4	10.3		ppb v/v		99	72 - 121
Tetrachloroethene	10.5	9.65		ppb v/v		92	70 - 125
trans-1,2-Dichloroethene	10.3	9.95		ppb v/v		96	69 - 137
Trichloroethene	10.3	10.2		ppb v/v		99	73 - 122
Vinyl chloride	9.99	10.1		ppb v/v		101	61 - 135
Spike Added LCS Result LCS Qualifier Unit D %Rec %Rec. Limits							
cis-1,2-Dichloroethene	41	40.8		ug/m3		99	72 - 121
Tetrachloroethene	71	65.4		ug/m3		92	70 - 125
trans-1,2-Dichloroethene	41	39.4		ug/m3		96	69 - 137
Trichloroethene	55	54.7		ug/m3		99	73 - 122
Vinyl chloride	26	25.7		ug/m3		101	61 - 135



QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Air - GC/MS VOA

Analysis Batch: 167574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-58757-1	CAN # 5414	Total/NA	Air	TO-15	
200-58757-2	CAN # 4553	Total/NA	Air	TO-15	
200-58757-3	CAN # 5460	Total/NA	Air	TO-15	
200-58757-6	CAN # 5416	Total/NA	Air	TO-15	
200-58757-7	CAN # 5400	Total/NA	Air	TO-15	
200-58757-8	CAN # 4781	Total/NA	Air	TO-15	
MB 200-167574/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-167574/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 167613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-58757-4	CAN # 4074	Total/NA	Air	TO-15	
200-58757-4 - DL	CAN # 4074	Total/NA	Air	TO-15	
200-58757-5	CAN # 5961	Total/NA	Air	TO-15	
200-58757-5 - DL	CAN # 5961	Total/NA	Air	TO-15	
MB 200-167613/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-167613/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 5414

Date Collected: 06/03/21 10:03

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167574	06/05/21 03:14	VTP	TAL BUR

Client Sample ID: CAN # 4553

Date Collected: 06/03/21 10:00

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167574	06/05/21 04:07	VTP	TAL BUR

Client Sample ID: CAN # 5460

Date Collected: 06/03/21 10:19

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167574	06/05/21 05:01	VTP	TAL BUR

Client Sample ID: CAN # 4074

Date Collected: 06/02/21 10:40

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167613	06/07/21 18:51	A1B	TAL BUR
Total/NA	Analysis	TO-15	DL	2	167613	06/07/21 19:44	A1B	TAL BUR

Client Sample ID: CAN # 5961

Date Collected: 06/02/21 12:05

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167613	06/07/21 20:37	A1B	TAL BUR
Total/NA	Analysis	TO-15	DL	4	167613	06/07/21 21:30	A1B	TAL BUR

Client Sample ID: CAN # 5416

Date Collected: 06/03/21 11:43

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-6

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167574	06/05/21 05:54	VTP	TAL BUR

Client Sample ID: CAN # 5400

Date Collected: 06/03/21 11:44

Date Received: 06/04/21 10:30

Lab Sample ID: 200-58757-7

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167574	06/05/21 06:47	VTP	TAL BUR

Eurofins TestAmerica, Burlington

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Client Sample ID: CAN # 4781

Lab Sample ID: 200-58757-8

Date Collected: 06/02/21 12:30

Matrix: Air

Date Received: 06/04/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	167574	06/05/21 07:40	VTP	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-22
Florida	NELAP	E87467	06-30-21
Minnesota	NELAP	050-999-436	12-31-21
New Hampshire	NELAP	2006	12-18-21
New Jersey	NELAP	VT972	06-30-21
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-21
Wisconsin	State	399133350	08-31-21

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990



Sample Summary

Client: Stantec Consulting Corp.

Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 200-58757-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-58757-1	CAN # 5414	Air	06/03/21 10:03	06/04/21 10:30	Air Canister (6-Liter) #5414
200-58757-2	CAN # 4553	Air	06/03/21 10:00	06/04/21 10:30	Air Canister (6-Liter) #4553
200-58757-3	CAN # 5460	Air	06/03/21 10:19	06/04/21 10:30	Air Canister (6-Liter) #5460
200-58757-4	CAN # 4074	Air	06/02/21 10:40	06/04/21 10:30	Air Canister (6-Liter) #4074
200-58757-5	CAN # 5961	Air	06/02/21 12:05	06/04/21 10:30	Air Canister (6-Liter) #5961
200-58757-6	CAN # 5416	Air	06/03/21 11:43	06/04/21 10:30	Air Canister (6-Liter) #5416
200-58757-7	CAN # 5400	Air	06/03/21 11:44	06/04/21 10:30	Air Canister (6-Liter) #5400
200-58757-8	CAN # 4781	Air	06/02/21 12:30	06/04/21 10:30	Air Canister (6-Liter) #4781

Eurofins TestAmerica, Burlington

530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919


Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.



Environment Testing
America

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information				Client Project Manager: <u>Jeff Brand</u>				Samples Collected By: <u>[Signature]</u>										COC No: _____																													
Company Name: <u>Stantec</u>				Phone: <u>920-883-8501</u>				<table border="1"> <tr> <td>TO-14/15 (Standard / Low Level)</td> <td>TO-15 SIM</td> <td>EPA 3C</td> <td>EPA 25C</td> <td>ASTM D-1946</td> <td>EPA 151/16</td> <td>Other (Please specify in notes section)</td> <td>Sample Type</td> <td>Indoor Air/Ambient Air</td> <td>Sub-Slab</td> <td>Soil Gas</td> <td>Soil Vapor Extraction (SVE)</td> <td>Landfill Gas</td> <td>Other (Please specify in notes section)</td> </tr> <tr> <td></td> <td><u>TCE, PCE, DCE, Vinyl Chloride</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 151/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)		<u>TCE, PCE, DCE, Vinyl Chloride</u>													of _____ COCs	
TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 151/16	Other (Please specify in notes section)	Sample Type											Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)																								
	<u>TCE, PCE, DCE, Vinyl Chloride</u>																																														
Address: <u>1165 Scheuing Rd</u>				Email: <u>JeffBrand@Stantec.com</u>														TALS Project #: _____																													
City/State/Zip: <u>DePue WI 5 54115</u>				Site Contact: _____														For Lab Use Only:																													
Phone: <u>920-592-8400</u>				Tel/Fax: _____				Walk-in Client: _____																																							
FAX: <u>920-592-8444</u>				Analysis Turnaround Time: _____				Lab Sampling: _____																																							
Project Name: <u>former Wausaukee land</u>				Standard (Specific): _____				Job / SDG No.: _____																																							
Site/Location: <u>816 N Ave, Wausaukee WI</u>				Rush (Specify): _____				(See below for Add'l Items)																																							
P O # <u>193708272</u>																																															
Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 151/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:																								
Can # 5414	6/2	926	6/3	1003	-30	-5	2770			X													* TO-15 for 4 VOCs																								
Can # 4553	6/2	924	6/3	1000	-30	-5	5238			X													PCE, TCE, DCE																								
Can # 5460	6/2	1010	6/3	1019	-30	5	4767			X													Vinyl Chloride																								
Can # 4074	6/2	1008	6/2	1040	-30	0	4697			X																																					
Can # 5961	6/2	1135	6/2	1205	-30	0	6100			X																																					
Can # 5416	6/2	1138	6/3	1143	-30	-10	3840			X																																					
Can # 5400	6/2	1137	6/3	1144	-30	-6	4200			X																																					
Can # 4781	6/2	1156	6/2	1230	-30	0	5315			X																																					
 <p>200-58757 Chain of Custody</p>																																															
<table border="1"> <tr> <th colspan="3">Temperature (Fahrenheit)</th> </tr> <tr> <td>Start</td> <td>Interior</td> <td>Ambient</td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> <tr> <th colspan="3">Pressure (inches of Hg)</th> </tr> <tr> <td>Start</td> <td>Interior</td> <td>Ambient</td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																							Temperature (Fahrenheit)			Start	Interior	Ambient	Stop			Pressure (inches of Hg)			Start	Interior	Ambient	Stop									
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Start	Interior	Ambient																																													
Stop																																															
Special Instructions/QC Requirements & Comments:																																															
Samples Shipped by: <u>[Signature]</u>				Date / Time: _____				Samples Received by: _____																																							
Samples Relinquished by: <u>[Signature]</u>				Date / Time: <u>6-3-21 14:15</u>				Received by: <u>[Signature]</u> ETABd 6/4/21 1030																																							
Relinquished by: _____				Date / Time: _____				Received by: _____																																							
<table border="1"> <tr> <td>Lab Use Only:</td> <td>Shipper Name:</td> <td>Opened by:</td> <td>Condition:</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>																							Lab Use Only:	Shipper Name:	Opened by:	Condition:																					
Lab Use Only:	Shipper Name:	Opened by:	Condition:																																												



ORIGIN ID:BTVA (802) 923-1058
JEFF BRAND
STANTEC CONSULTING CORP.
1165 SCHEURING ROAD

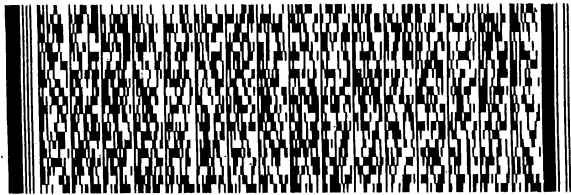
SHIP DATE: 21MAY21
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3504

DE PERE, WI 54115
UNITED STATES US

TO **SAMPLE MANAGEMENT**
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
REF: S500-91859

RMA: ||| ||| |||



FedEx
Express

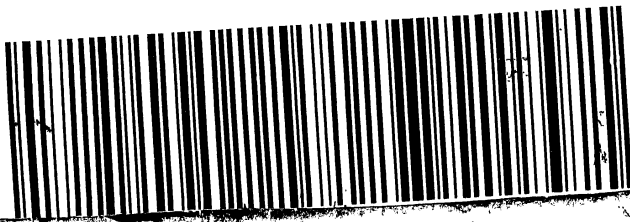


FRI - 04 JUN 10:30A
PRIORITY OVERNIGHT

FedEx
TRK# 5077 2018 2594
0221

NL BTVA

05403
VT-US BTV



ORIGIN ID:BTVA (802) 923-1058
JEFF BRAND
STANTEC CONSULTING CORP.
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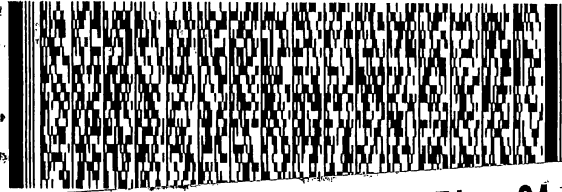
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DE PERE, WI 54115
UNITED STATES US

TO **SAMPLE MANAGEMENT**
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1058
REF: S500-91859

RMA: ||| ||| |||



FedEx
Express

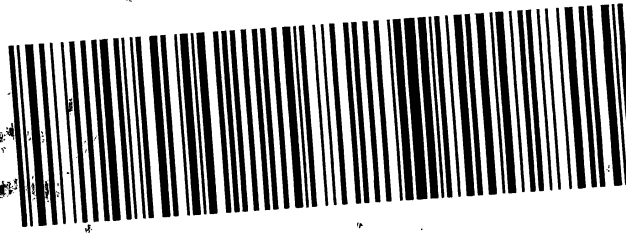


FRI - 04 JUN 10:30A
PRIORITY OVERNIGHT

FedEx
TRK# 5077 2018 2609
0221

NL BTVA

05403
VT-US BTV



179495 06703 56DJ37B387/FE4A

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6/8/2021



Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 200-58757-1

Login Number: 58757

List Number: 1

Creator: Lavigne, Scott M

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID		Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s)		Technician		Can Size	Certification Type:				
Bottom Rack		10	25	4/22/2021	1700	22	22	SML		6 liter	batch				
Port	Can ID	Initial ¹ (psia)	Final (psia)	Diff. ³	Final ("Hg)	Initial Reading				Final Reading					
						Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	2734	103	103	0	30.0	G26	4/23/21	1504	S	22.0	G26	5/20/21	0958	S	24.0
2	5068		103	0		G26					G26				
3	4928		103	0		G26					G26				
4	4074		106	0.03		G26					G26				
5	5961		103	0		G26					G26				
6	5400		103	0		G26					G26				
7	5460		103	0		G26					G26				
8	4553		103	0		G26					G26				
9	3549	103	103	0	29.7	G26	5/20/21	1098	S	24.0	G26	5/22/21	1236	S	21.0
10	3006	103	103	0	30.0	G26	4/23/21	1504	S	22.0	G26	5/20/21	0958	S	24.0
11	4781		103	0		G26					G26				
12	2785		103	0		G26					G26				

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister PM Authorization Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: <input checked="" type="checkbox"/> TO15 Routine <input type="checkbox"/> TO15 LL				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Review
3549	4/27/21	45697	ABJ		XXXXXX				4/27/21	ABJ

Inventory Level 1: Individual Canister Certification (TO15LL 0.01). Comments: _____

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv). _____

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv). _____

Inventory Level Limited: Canisters may only be used for certain projects. _____

Dup Tees/Vac gauges (enter IDs if included): _____

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6/8/2021

200-58164-A-9
 Location: Air-Storage
 3549
 Bottle: Summa Canister 6L
 Sampled 4/22/2021 12:00 AM 200-1487382

Loc: 200
 58164
 #9 A
 Air-Storage



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-57917-1
 SDG No.: _____
 Client Sample ID: 2788 Lab Sample ID: 200-57917-3
 Matrix: Air Lab File ID: 45451-05.D
 Analysis Method: TO-15 Date Collected: 04/02/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/05/2021 10:22
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 165497 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-57917-1
 SDG No.: _____
 Client Sample ID: 2788 Lab Sample ID: 200-57917-3
 Matrix: Air Lab File ID: 45451-05.D
 Analysis Method: TO-15 Date Collected: 04/02/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/05/2021 10:22
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 165497 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U **	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U **	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-57917-1
 SDG No.: _____
 Client Sample ID: 2788 Lab Sample ID: 200-57917-3
 Matrix: Air Lab File ID: 45451-05.D
 Analysis Method: TO-15 Date Collected: 04/02/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/05/2021 10:22
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 165497 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20210405-45451.b\45451-05.D
 Lims ID: 200-57917-A-3
 Client ID: 2788
 Sample Type: Client
 Inject. Date: 05-Apr-2021 10:22:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0045451-005
 Misc. Info.: 57917-3
 Operator ID: ggg Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20210405-45451.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 06-Apr-2021 10:51:58 Calib Date: 12-Feb-2021 10:27:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20210211-44792.b\44792-21.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1608

First Level Reviewer: puangmaleek

Date: 06-Apr-2021 10:51:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.354				ND	7
2 Dichlorodifluoromethane	85		4.445				ND	
3 Chlorodifluoromethane	51		4.493				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.803				ND	
5 Chloromethane	50		4.932				ND	
7 Vinyl chloride	62		5.242				ND	
6 Butane	43		5.247				ND	
8 Butadiene	54		5.354				ND	
10 Bromomethane	94		6.071				ND	
11 Chloroethane	64		6.339				ND	
13 Vinyl bromide	106		6.761				ND	
14 Trichlorofluoromethane	101		6.916				ND	
17 Ethanol	45	7.280	7.248	0.032	78	1233	0.2211	
21 1,1-Dichloroethene	96		7.970				ND	
20 112TCTFE	101		8.002				ND	
22 Acetone	43		8.029				ND	
24 Isopropyl alcohol	45		8.302				ND	
23 Carbon disulfide	76		8.393				ND	7
25 3-Chloro-1-propene	41		8.666				ND	
27 Methylene Chloride	49		8.901				ND	
28 2-Methyl-2-propanol	59		9.062				ND	
29 Methyl tert-butyl ether	73		9.377				ND	
31 trans-1,2-Dichloroethene	61		9.399				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	7
33 Hexane	57		9.891				ND	
35 Vinyl acetate	43		10.158				ND	
34 1,1-Dichloroethane	63		10.164				ND	
38 2-Butanone (MEK)	72		11.111				ND	
37 cis-1,2-Dichloroethene	96		11.153				ND	
39 Ethyl acetate	88		11.196				ND	
* 40 Chlorobromomethane	128	11.571	11.576	-0.005	78	100899	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		11.592				ND	
42 Chloroform	83		11.747				ND	
44 1,1,1-Trichloroethane	97		12.047				ND	
43 Cyclohexane	84		12.186				ND	
45 Carbon tetrachloride	117		12.325				ND	
47 Benzene	78		12.673				ND	
48 1,2-Dichloroethane	62		12.758				ND	
46 Isooctane	57		12.871				ND	
49 n-Heptane	43		13.176				ND	
* 50 1,4-Difluorobenzene	114	13.406	13.411	-0.005	93	500059	10.0	
53 Trichloroethene	95		13.839				ND	
54 1,2-Dichloropropane	63		14.304				ND	
55 Methyl methacrylate	69		14.363				ND	
56 1,4-Dioxane	88		14.411				ND	
57 Dibromomethane	174		14.465				ND	
58 Dichlorobromomethane	83		14.770				ND	
60 cis-1,3-Dichloropropene	75		15.567				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.802				ND	
65 Toluene	92		16.203				ND	
66 trans-1,3-Dichloropropene	75		16.621				ND	
67 1,1,2-Trichloroethane	83		17.001				ND	
68 Tetrachloroethene	166		17.188				ND	
69 2-Hexanone	43		17.375				ND	
71 Chlorodibromomethane	129		17.744				ND	
72 Ethylene Dibromide	107		17.985				ND	
* 74 Chlorobenzene-d5	117	18.878	18.884	-0.006	85	365125	10.0	
75 Chlorobenzene	112		18.943				ND	
76 Ethylbenzene	91		19.124				ND	7
78 m-Xylene & p-Xylene	106		19.392				ND	
S 73 Xylenes, Total	106		19.600				ND	7
79 o-Xylene	106		20.162				ND	
80 Styrene	104		20.200				ND	
81 Bromoform	173		20.558				ND	
82 Isopropylbenzene	105		20.842				ND	
84 1,1,2,2-Tetrachloroethane	83		21.366				ND	
85 N-Propylbenzene	91		21.553				ND	7
89 2-Chlorotoluene	91		21.703				ND	7
88 4-Ethyltoluene	105		21.746				ND	7
90 1,3,5-Trimethylbenzene	105		21.837				ND	7
92 tert-Butylbenzene	119		22.318				ND	
93 1,2,4-Trimethylbenzene	105		22.404				ND	
94 sec-Butylbenzene	105		22.639				ND	
96 1,3-Dichlorobenzene	146		22.816				ND	7
95 4-Isopropyltoluene	119		22.853				ND	
97 1,4-Dichlorobenzene	146	22.965	22.960	0.005	1	267	0.0123	
98 Benzyl chloride	91		23.105				ND	7
100 n-Butylbenzene	91		23.410				ND	7
101 1,2-Dichlorobenzene	146		23.447				ND	U
103 1,2,4-Trichlorobenzene	180		25.902				ND	
104 Hexachlorobutadiene	225		26.138				ND	
105 Naphthalene	128		26.389				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Euofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20210405-45451.b\45451-05.D

Injection Date: 05-Apr-2021 10:22:30

Instrument ID: CHX.i

Operator ID: ggg

Lims ID: 200-57917-A-3

Lab Sample ID: 200-57917-3

Worklist Smp#: 5

Client ID: 2788

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

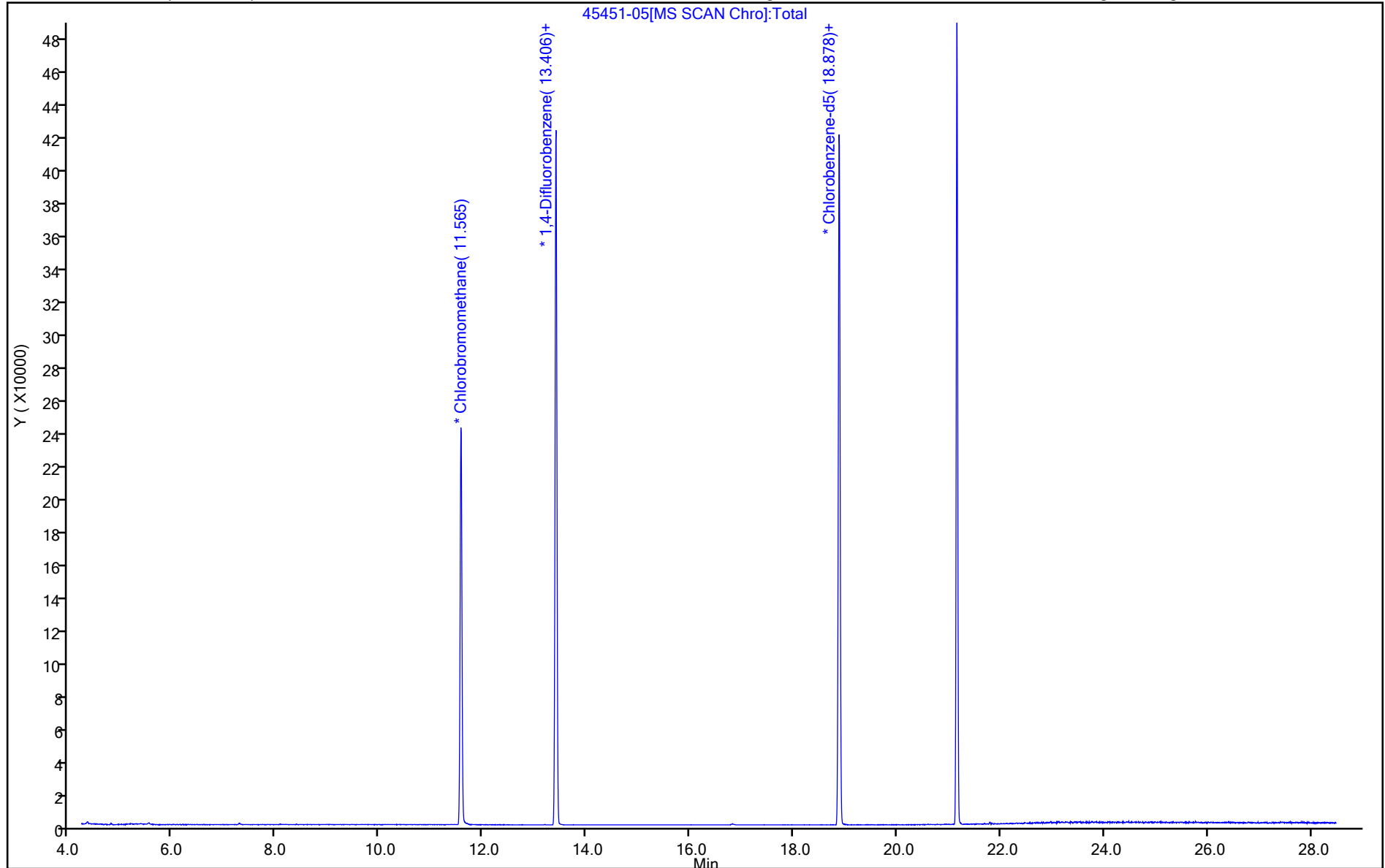
ALS Bottle#: 4

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

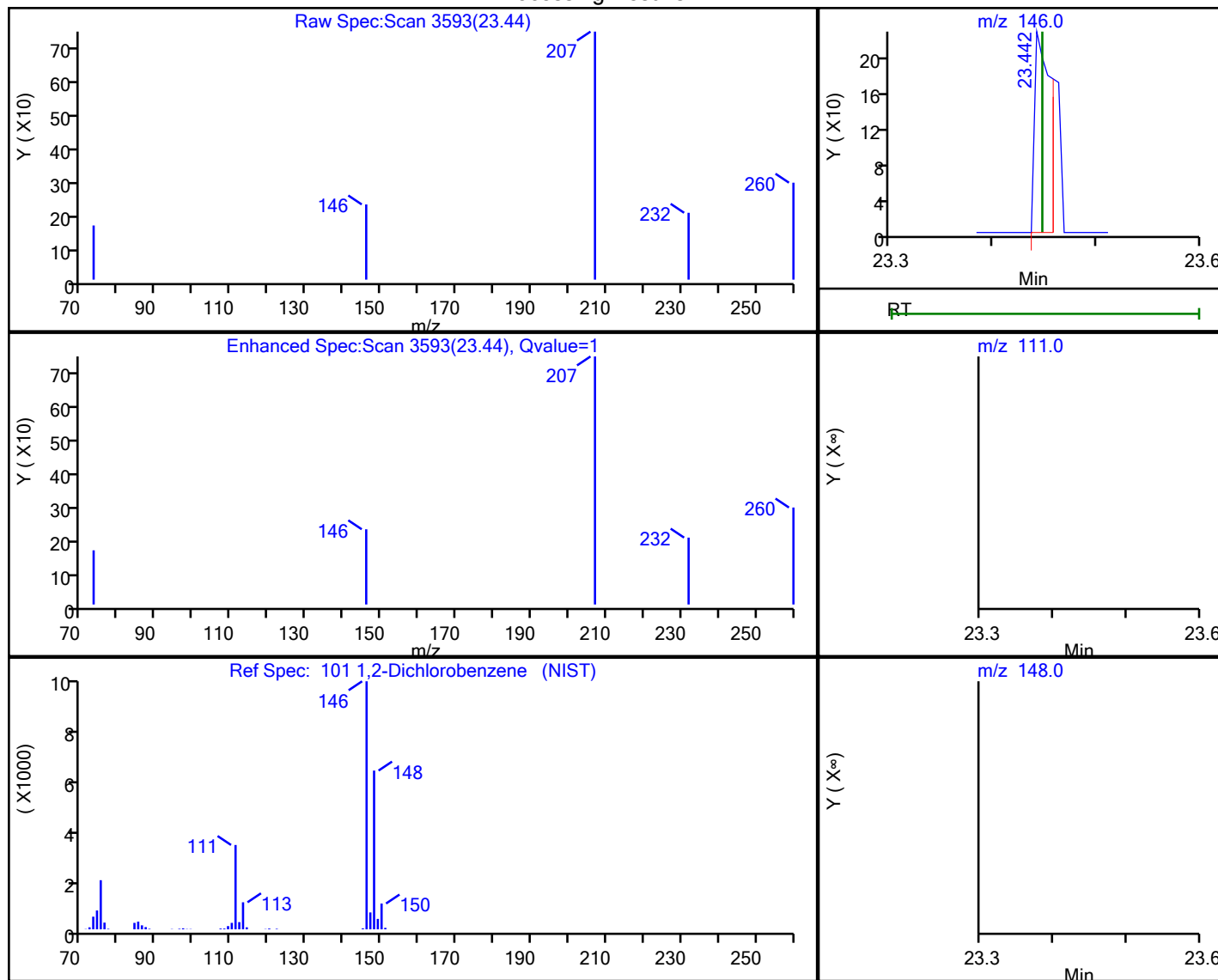


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20210405-45451.b\45451-05.D
 Injection Date: 05-Apr-2021 10:22:30 Instrument ID: CHX.i
 Lims ID: 200-57917-A-3 Lab Sample ID: 200-57917-3
 Client ID: 2788
 Operator ID: ggg ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector: MS SCAN

101 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
23.44	146.00	247	0.010731
23.45	111.00	0	
23.45	148.00	0	

Reviewer: puangmaleek, 06-Apr-2021 10:51:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58145-1
 SDG No.: _____
 Client Sample ID: 4293 Lab Sample ID: 200-58145-8
 Matrix: Air Lab File ID: 45685-008.d
 Analysis Method: TO-15 Date Collected: 04/21/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/23/2021 14:51
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 166119 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58145-1
 SDG No.: _____
 Client Sample ID: 4293 Lab Sample ID: 200-58145-8
 Matrix: Air Lab File ID: 45685-008.d
 Analysis Method: TO-15 Date Collected: 04/21/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/23/2021 14:51
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 166119 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58145-1
 SDG No.: _____
 Client Sample ID: 4293 Lab Sample ID: 200-58145-8
 Matrix: Air Lab File ID: 45685-008.d
 Analysis Method: TO-15 Date Collected: 04/21/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/23/2021 14:51
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 166119 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210423-45685.b\45685-008.d
 Lims ID: 200-58145-A-8
 Client ID: 4293
 Sample Type: Client
 Inject. Date: 23-Apr-2021 14:51:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0045685-008
 Misc. Info.: 58145-8
 Operator ID: ggg Instrument ID: CHW.i
 Method: \\chromfs\Burlington\ChromData\CHW.i\20210423-45685.b\TO15_TO3_MasterMethod_W.m
 Limit Group: AI_TO15_ICAL
 Last Update: 26-Apr-2021 08:09:26 Calib Date: 16-Apr-2021 04:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20210415-45601.b\45601-015.d
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1636

First Level Reviewer: puangmaleek

Date: 26-Apr-2021 08:09:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.132				ND	7
2 Dichlorodifluoromethane	85		4.228				ND	
3 Chlorodifluoromethane	51		4.276				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.608				ND	
5 Chloromethane	50		4.709				ND	
6 Vinyl chloride	62		5.030				ND	
7 Butane	43	5.046	5.036	0.010	95	2393	0.1243	
8 Butadiene	54		5.153				ND	
9 Bromomethane	94		5.865				ND	
10 Chloroethane	64		6.148				ND	
13 Vinyl bromide	106		6.566				ND	
14 Trichlorofluoromethane	101		6.732				ND	
16 Ethanol	45		7.176				ND	
20 1,1-Dichloroethene	96		7.801				ND	
21 112TCTFE	101		7.844				ND	
22 Acetone	43		7.935				ND	
23 Carbon disulfide	76	8.197	8.203	-0.006	94	1647	0.0494	
24 Isopropyl alcohol	45		8.256				ND	
26 3-Chloro-1-propene	41		8.508				ND	
27 Methylene Chloride	49	8.727	8.732	-0.005	79	936	0.0912	
28 2-Methyl-2-propanol	59		9.043				ND	
30 trans-1,2-Dichloroethene	61		9.230				ND	
31 Methyl tert-butyl ether	73		9.283				ND	
32 Hexane	57		9.743				ND	U
33 1,1-Dichloroethane	63		10.000				ND	
34 Vinyl acetate	43		10.027				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
36 cis-1,2-Dichloroethene	96		10.990				ND	
37 2-Butanone (MEK)	72		10.990				ND	
38 Ethyl acetate	88		11.075				ND	
* 39 Chlorobromomethane	128	11.396	11.402	-0.006	78	96810	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Tetrahydrofuran	42		11.482				ND	
41 Chloroform	83		11.578				ND	
42 1,1,1-Trichloroethane	97		11.883				ND	
43 Cyclohexane	84		12.022				ND	
44 Carbon tetrachloride	117		12.167				ND	
45 Benzene	78		12.509				ND	
46 1,2-Dichloroethane	62		12.589				ND	
47 Isooctane	57		12.729				ND	
48 n-Heptane	43		13.039				ND	
* 49 1,4-Difluorobenzene	114	13.242	13.247	-0.005	93	467295	10.0	
51 Trichloroethene	95		13.681				ND	
53 1,2-Dichloropropane	63		14.136				ND	
55 Methyl methacrylate	69		14.237				ND	
56 Dibromomethane	174		14.291				ND	
57 1,4-Dioxane	88		14.301				ND	
58 Dichlorobromomethane	83		14.601				ND	
60 cis-1,3-Dichloropropene	75		15.403				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.692				ND	
62 Toluene	92		16.045				ND	
64 trans-1,3-Dichloropropene	75		16.457				ND	
65 1,1,2-Trichloroethane	83		16.837				ND	
66 Tetrachloroethene	166		17.035				ND	7
67 2-Hexanone	43		17.287				ND	
68 Chlorodibromomethane	129		17.575				ND	
69 Ethylene Dibromide	107		17.811				ND	
* 70 Chlorobenzene-d5	117	18.720	18.720	0.000	83	368605	10.0	
72 Chlorobenzene	112		18.784				ND	
73 Ethylbenzene	91		18.977				ND	
74 m-Xylene & p-Xylene	106		19.239				ND	
76 o-Xylene	106		20.010				ND	
77 Styrene	104		20.047				ND	
S 78 Xylenes, Total	106		20.100				ND	7
79 Bromoform	173		20.400				ND	
80 Isopropylbenzene	105		20.716				ND	
81 1,1,2,2-Tetrachloroethane	83		21.235				ND	
83 N-Propylbenzene	91		21.438				ND	
84 2-Chlorotoluene	91		21.582				ND	
85 4-Ethyltoluene	105		21.636				ND	
86 1,3,5-Trimethylbenzene	105		21.732				ND	
89 tert-Butylbenzene	119		22.214				ND	
90 1,2,4-Trimethylbenzene	105		22.305				ND	
91 sec-Butylbenzene	105		22.540				ND	
92 1,3-Dichlorobenzene	146		22.711				ND	
93 4-Isopropyltoluene	119		22.759				ND	
94 1,4-Dichlorobenzene	146		22.856				ND	
95 Benzyl chloride	91		23.000				ND	
96 n-Butylbenzene	91		23.310				ND	
97 1,2-Dichlorobenzene	146		23.342				ND	
100 1,2,4-Trichlorobenzene	180		25.760				ND	
101 Hexachlorobutadiene	225		26.007				ND	
102 Naphthalene	128		26.237				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15WISs_00009

Amount Added: 20.00

Units: mL

Run Reagent

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210423-45685.b\45685-008.d

Injection Date: 23-Apr-2021 14:51:30

Instrument ID: CHW.i

Operator ID: ggg

Lims ID: 200-58145-A-8

Lab Sample ID: 200-58145-8

Worklist Smp#: 8

Client ID: 4293

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

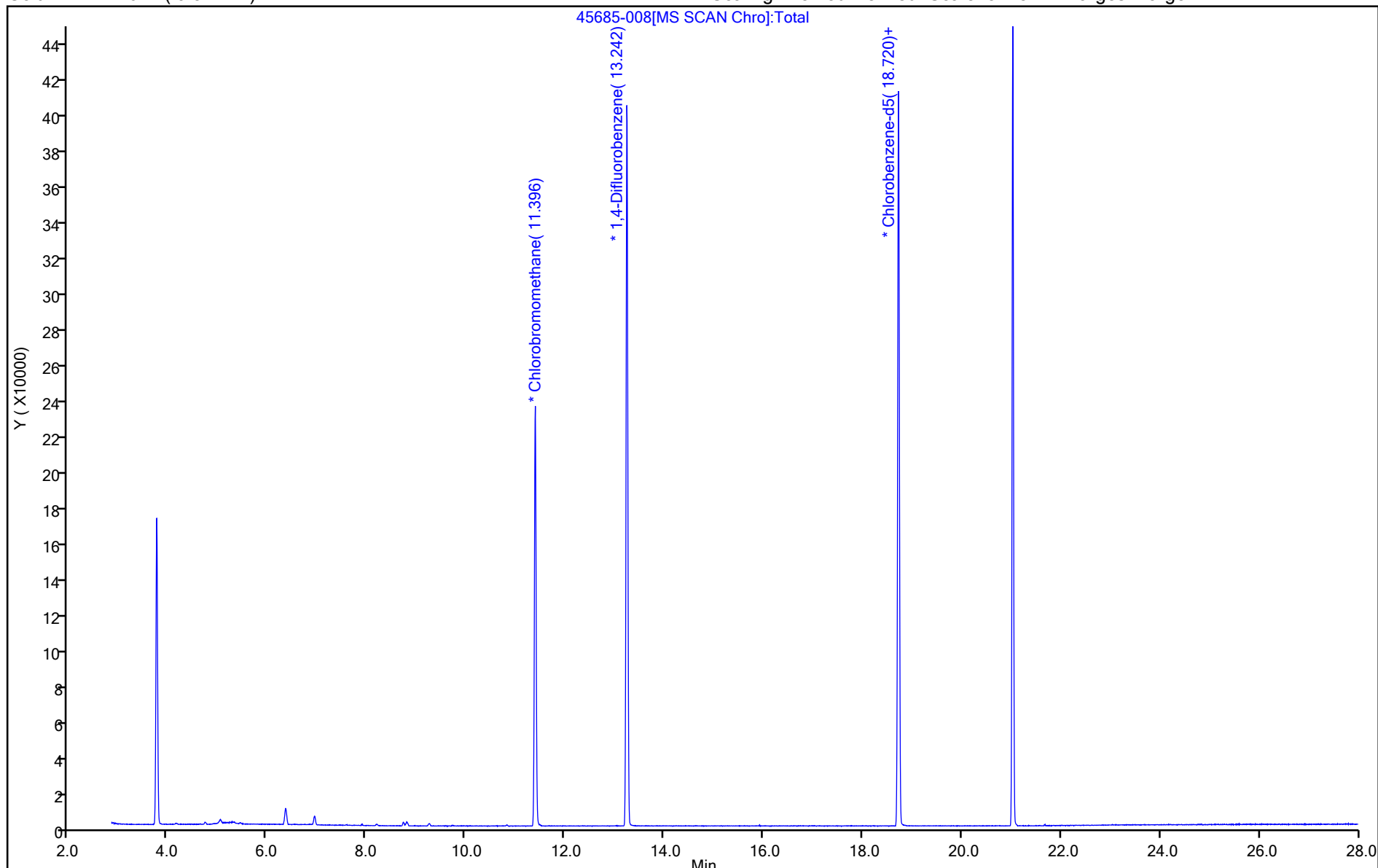
ALS Bottle#: 7

Method: TO15_TO3_MasterMethod_W

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

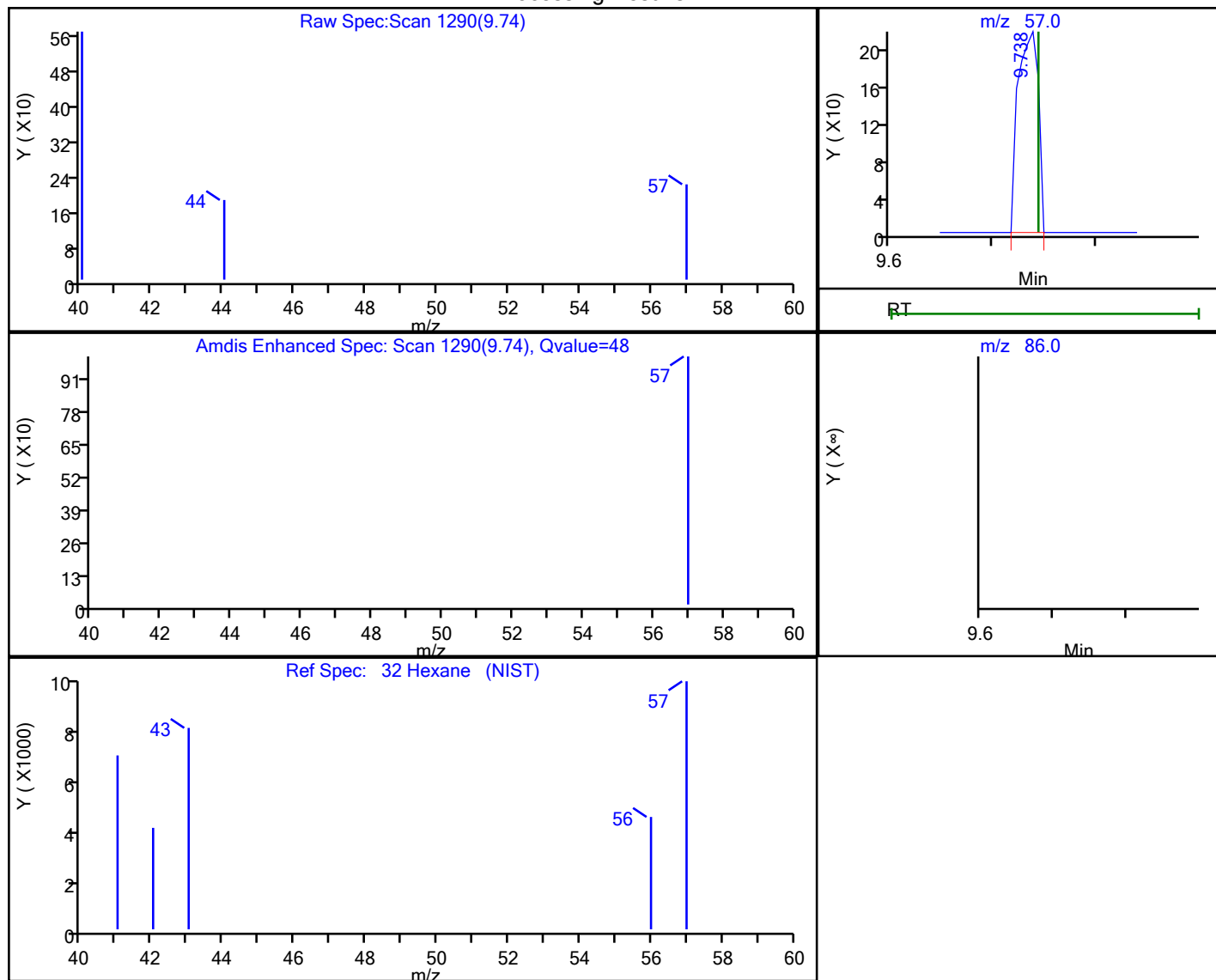


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20210423-45685.b\45685-008.d
 Injection Date: 23-Apr-2021 14:51:30 Instrument ID: CHW.i
 Lims ID: 200-58145-A-8 Lab Sample ID: 200-58145-8
 Client ID: 4293
 Operator ID: ggg ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_TO3_MasterMethod_W Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector: MS SCAN

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
9.74	57.00	300	0.021329
9.74	86.00	0	

Reviewer: puangmaleek, 26-Apr-2021 08:08:51

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58164-1
 SDG No.: _____
 Client Sample ID: 3549 Lab Sample ID: 200-58164-9
 Matrix: Air Lab File ID: 45697-14.D
 Analysis Method: TO-15 Date Collected: 04/22/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/26/2021 18:45
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 166151 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58164-1
 SDG No.: _____
 Client Sample ID: 3549 Lab Sample ID: 200-58164-9
 Matrix: Air Lab File ID: 45697-14.D
 Analysis Method: TO-15 Date Collected: 04/22/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/26/2021 18:45
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 166151 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-58164-1
 SDG No.: _____
 Client Sample ID: 3549 Lab Sample ID: 200-58164-9
 Matrix: Air Lab File ID: 45697-14.D
 Analysis Method: TO-15 Date Collected: 04/22/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 04/26/2021 18:45
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 166151 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210426-45697.b\45697-14.D
 Lims ID: 200-58164-A-9
 Client ID: 3549
 Sample Type: Client
 Inject. Date: 26-Apr-2021 18:45:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0045697-014
 Misc. Info.: 58164-9
 Operator ID: vtp Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20210426-45697.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 27-Apr-2021 09:20:19 Calib Date: 11-Mar-2021 23:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20210311-45131.b\45131-13.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1632

First Level Reviewer: bunmaa

Date: 27-Apr-2021 09:20:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.833				ND	U
2 Dichlorodifluoromethane	85		2.891				ND	
3 Chlorodifluoromethane	51		2.934				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.132				ND	
5 Chloromethane	50		3.244				ND	7
6 Butane	43		3.431				ND	
7 Vinyl chloride	62		3.457				ND	
8 Butadiene	54		3.527				ND	
10 Bromomethane	94		4.124				ND	
11 Chloroethane	64		4.343				ND	
13 Vinyl bromide	106		4.711				ND	
14 Trichlorofluoromethane	101		4.829				ND	
17 Ethanol	45		5.443				ND	
20 1,1,2-Trichloro-1,2,2-trifluoro	101		5.885				ND	
21 1,1-Dichloroethene	96		5.891				ND	
22 Acetone	43		6.120				ND	
23 Carbon disulfide	76		6.259				ND	
24 Isopropyl alcohol	45		6.505				ND	
25 3-Chloro-1-propene	41		6.649				ND	
27 Methylene Chloride	49		6.932				ND	
28 2-Methyl-2-propanol	59		7.273				ND	
31 trans-1,2-Dichloroethene	61		7.385				ND	
29 Methyl tert-butyl ether	73		7.412				ND	
33 Hexane	57		7.817				ND	
34 1,1-Dichloroethane	63		8.223				ND	
35 Vinyl acetate	43		8.335				ND	
37 cis-1,2-Dichloroethene	96		9.312				ND	
38 2-Butanone (MEK)	72		9.370				ND	
39 Ethyl acetate	88		9.456				ND	
* 40 Chlorobromomethane	128	9.749	9.755	-0.006	90	259414	20.0	
41 Tetrahydrofuran	42		9.824				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		9.910				ND	
44 1,1,1-Trichloroethane	97		10.182				ND	
43 Cyclohexane	84		10.187				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	7
45 Carbon tetrachloride	117		10.449				ND	
47 Benzene	78		10.876				ND	7
46 Isooctane	57		10.924				ND	
48 1,2-Dichloroethane	62		11.025				ND	
49 n-Heptane	43		11.329				ND	
* 50 1,4-Difluorobenzene	114	11.724	11.719	0.005	95	1510677	20.0	
53 Trichloroethene	95		12.194				ND	
54 1,2-Dichloropropane	63		12.695				ND	
55 Methyl methacrylate	69		12.936				ND	
57 Dibromomethane	174		12.946				ND	
56 1,4-Dioxane	88		12.984				ND	
58 Dichlorobromomethane	83		13.277				ND	
60 cis-1,3-Dichloropropene	75		14.238				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.553				ND	
65 Toluene	92		14.846				ND	
66 trans-1,3-Dichloropropene	75		15.444				ND	
67 1,1,2-Trichloroethane	83		15.807				ND	
68 Tetrachloroethene	166		15.972				ND	
69 2-Hexanone	43		16.303				ND	
71 Chlorodibromomethane	129		16.575				ND	
72 Ethylene Dibromide	107		16.826				ND	
* 74 Chlorobenzene-d5	117	17.760	17.760	0.000	89	1580803	20.0	
75 Chlorobenzene	112		17.819				ND	
76 Ethylbenzene	91		17.995				ND	U
78 m-Xylene & p-Xylene	106		18.251				ND	
79 o-Xylene	106		19.078				ND	
80 Styrene	104		19.132				ND	
81 Bromoform	173		19.543				ND	
82 Isopropylbenzene	105		19.831				ND	
S 73 Xylenes, Total	106		20.100				ND	7
84 1,1,2,2-Tetrachloroethane	83		20.519				ND	
85 N-Propylbenzene	91		20.626				ND	7
89 2-Chlorotoluene	91		20.818				ND	7
88 4-Ethyltoluene	105		20.834				ND	
90 1,3,5-Trimethylbenzene	105		20.946				ND	
92 tert-Butylbenzene	119		21.469				ND	
93 1,2,4-Trimethylbenzene	105		21.565				ND	
94 sec-Butylbenzene	105		21.816				ND	
95 4-Isopropyltoluene	119		22.030				ND	
96 1,3-Dichlorobenzene	146		22.035				ND	
97 1,4-Dichlorobenzene	146		22.179				ND	
98 Benzyl chloride	91		22.371				ND	7
100 n-Butylbenzene	91		22.617				ND	7
101 1,2-Dichlorobenzene	146		22.702				ND	
103 1,2,4-Trichlorobenzene	180		25.034				ND	
104 Hexachlorobutadiene	225		25.237				ND	
105 Naphthalene	128		25.445				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00010

Amount Added: 40.00

Units: mL

Run Reagent



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210426-45697.b\45697-14.D

Injection Date: 26-Apr-2021 18:45:30

Instrument ID: CHC.i

Operator ID: vtp

Lims ID: 200-58164-A-9

Lab Sample ID: 200-58164-9

Worklist Smp#: 14

Client ID: 3549

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

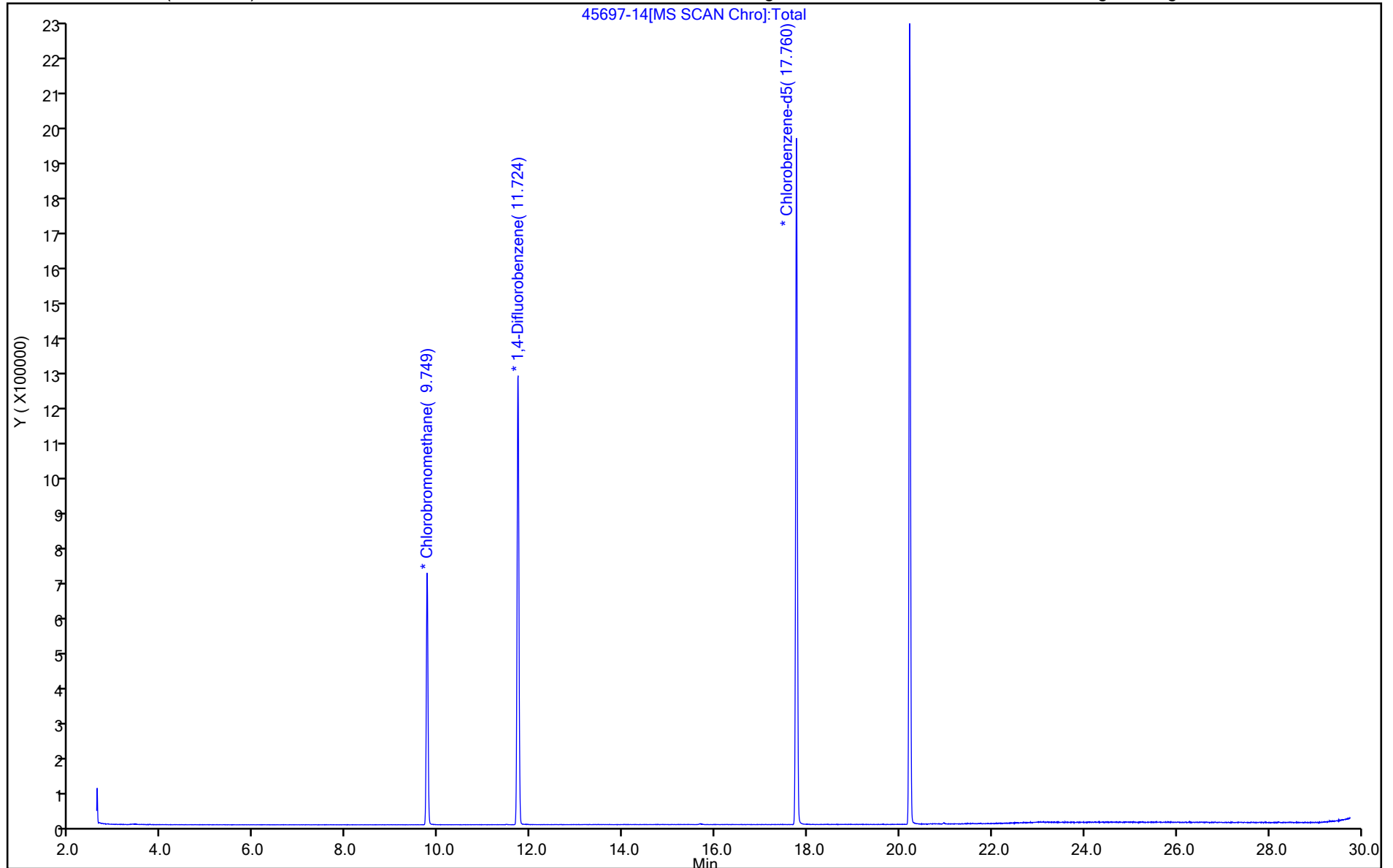
ALS Bottle#: 13

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

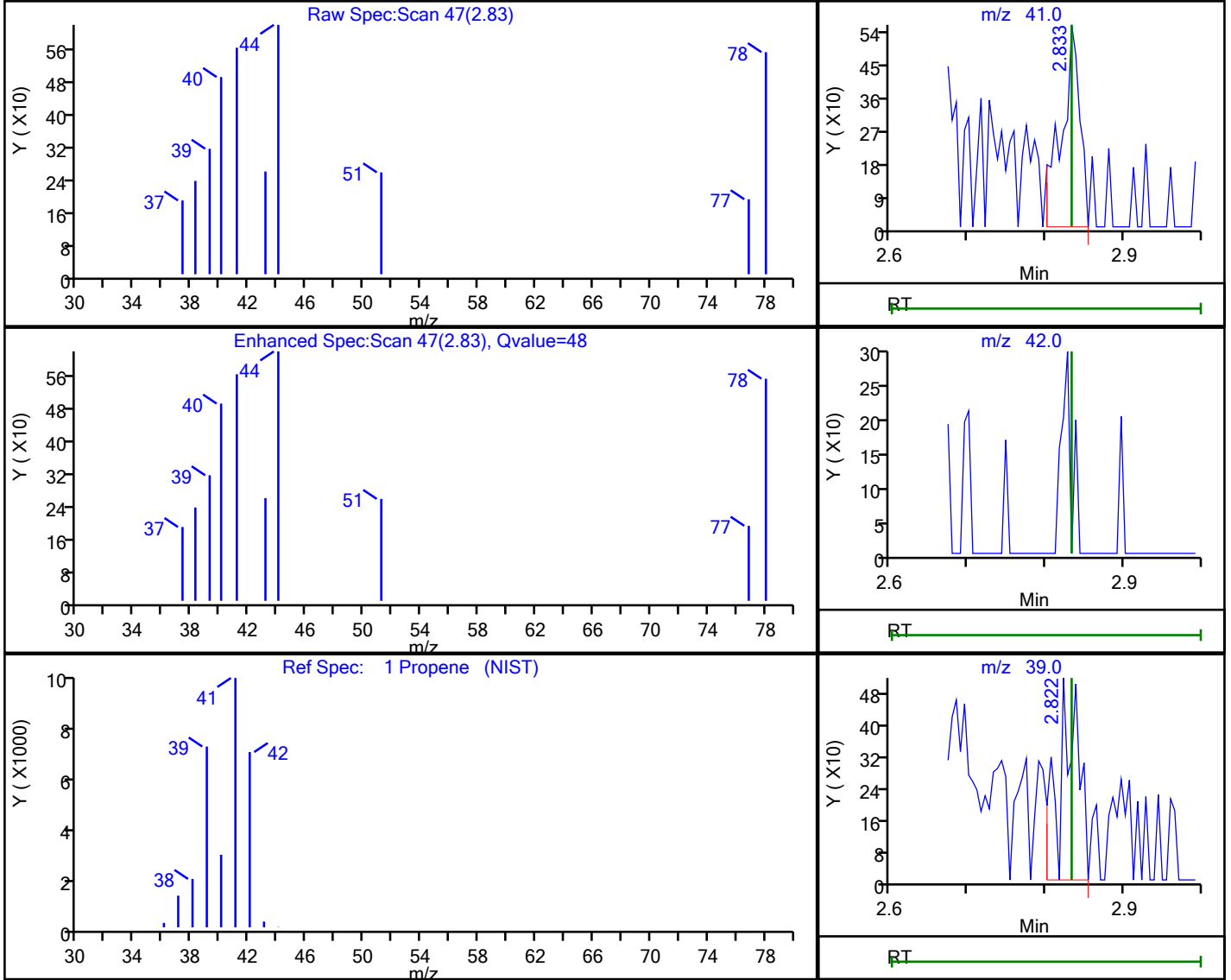


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210426-45697.b\45697-14.D
Injection Date: 26-Apr-2021 18:45:30 Instrument ID: CHC.i
Lims ID: 200-58164-A-9 Lab Sample ID: 200-58164-9
Client ID: 3549
Operator ID: vtp ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
2.83	41.00	927	0.133664
2.83	42.00	0	
2.82	39.00	906	

Reviewer: bunmaa, 27-Apr-2021 09:18:53

Audit Action: Marked Compound Undetected

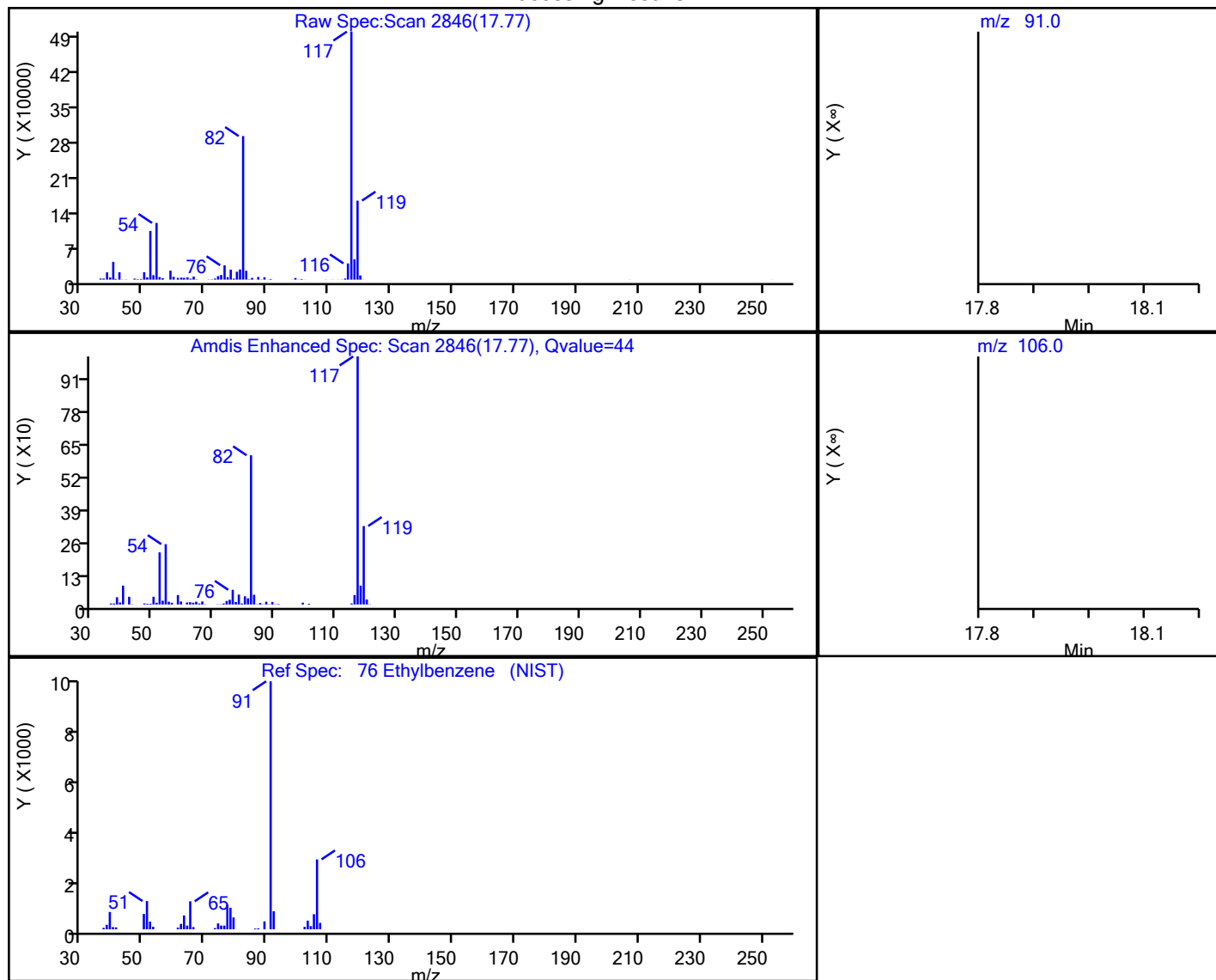
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20210426-45697.b\45697-14.D
 Injection Date: 26-Apr-2021 18:45:30 Instrument ID: CHC.i
 Lims ID: 200-58164-A-9 Lab Sample ID: 200-58164-9
 Client ID: 3549
 Operator ID: vtp ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector: MS SCAN

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
17.77	91.00	2383	0.022126
17.99	106.00	0	

Reviewer: bunmaa, 27-Apr-2021 09:19:41

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job No.: 200-58757-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
200-58757-6	6	-12.0	0.60	3.59	-2.25931	0.85	5.08		1.41	1.41	g21	06/04/21 15:09	VTP

Formulae:

- Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
- Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
- Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

- 29.92 "Hg = Standard atmospheric pressure in inches of Mercury ("Hg)
- 14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)



ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-211792-1

Client Project/Site: Former Wausaukee Laundromat -
193708272

Revision: 1

For:

Stantec Consulting Corp.
1165 Scheuring Road
De Pere, Wisconsin 54115

Attn: Mr. Jeff Brand



Authorized for release by:
2/7/2022 2:55:21 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Job ID: 500-211792-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-211792-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 2/7/2022. The report (revision 1) is being revised due to: Client added 1,2 dichloroethene Cis & Trans..

Receipt

The samples were received on 2/1/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions

During the canister pressure check performed upon receipt, the following sample was found to be received at ambient pressure: Samples 1-3. The associated flow controller was evaluated and was found to be within the acceptable flow range as compared to the original set flow rate.

Air Toxics

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #4433 (IA-1)

Lab Sample ID: 500-211792-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.19	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3	J	1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN #3400605 (IA-2)

Lab Sample ID: 500-211792-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.29		0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.0		1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN #4316 (IA-3)

Lab Sample ID: 500-211792-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3		0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.8		1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN #9196 (VP1)

Lab Sample ID: 500-211792-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	90		1.0	0.14	ppb v/v	5		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	610		6.8	0.92	ug/m3	5		TO-15	Total/NA

Client Sample ID: CAN #3792 (IA-4)

Lab Sample ID: 500-211792-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.27		0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.8		1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN #3559 (IA-5)

Lab Sample ID: 500-211792-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.53		0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.6		1.4	0.18	ug/m3	1		TO-15	Total/NA

Client Sample ID: CAN #2778 (VP2)

Lab Sample ID: 500-211792-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	74		0.60	0.081	ppb v/v	2.99		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	500		4.1	0.55	ug/m3	2.99		TO-15	Total/NA

Client Sample ID: CAN #5638 (HA-1)

Lab Sample ID: 500-211792-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.7		0.20	0.027	ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	11		1.4	0.18	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990



Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-211792-1	CAN #4433 (IA-1)	Air	01/28/22 10:07	02/01/22 10:30	Air Canister (6-Liter) #4433
500-211792-2	CAN #34000605 (IA-2)	Air	01/28/22 10:05	02/01/22 10:30	Air Canister (6-Liter) #34000605
500-211792-3	CAN #4316 (IA-3)	Air	01/28/22 09:33	02/01/22 10:30	Air Canister (6-Liter) #4316
500-211792-4	CAN #9196 (VP1)	Air	01/27/22 10:07	02/01/22 10:30	Air Canister (6-Liter) #9196
500-211792-5	CAN #3792 (IA-4)	Air	01/28/22 09:50	02/01/22 10:30	Air Canister (6-Liter) #3792
500-211792-6	CAN #3559 (IA-5)	Air	01/28/22 09:52	02/01/22 10:30	Air Canister (6-Liter) #3559
500-211792-7	CAN #2778 (VP2)	Air	01/27/22 10:32	02/01/22 10:30	Air Canister (6-Liter) #2778
500-211792-8	CAN #5638 (HA-1)	Air	01/27/22 11:08	02/01/22 10:30	Air Canister (6-Liter) #5638



Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #4433 (IA-1)

Lab Sample ID: 500-211792-1

Date Collected: 01/28/22 10:07

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 03:54	1
Tetrachloroethene	0.19	J	0.20	0.027	ppb v/v			02/04/22 03:54	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 03:54	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 03:54	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 03:54	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 03:54	1
Tetrachloroethene	1.3	J	1.4	0.18	ug/m3			02/04/22 03:54	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 03:54	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 03:54	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 03:54	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #34000605 (IA-2)

Lab Sample ID: 500-211792-2

Date Collected: 01/28/22 10:05

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 04:47	1
Tetrachloroethene	0.29		0.20	0.027	ppb v/v			02/04/22 04:47	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 04:47	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 04:47	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 04:47	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 04:47	1
Tetrachloroethene	2.0		1.4	0.18	ug/m3			02/04/22 04:47	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 04:47	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 04:47	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 04:47	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #4316 (IA-3)

Lab Sample ID: 500-211792-3

Date Collected: 01/28/22 09:33

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 05:40	1
Tetrachloroethene	1.3		0.20	0.027	ppb v/v			02/04/22 05:40	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 05:40	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 05:40	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 05:40	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 05:40	1
Tetrachloroethene	8.8		1.4	0.18	ug/m3			02/04/22 05:40	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 05:40	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 05:40	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 05:40	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #9196 (VP1)

Lab Sample ID: 500-211792-4

Date Collected: 01/27/22 10:07

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.17		1.0	0.17	ppb v/v			02/04/22 12:43	5
Tetrachloroethene	90		1.0	0.14	ppb v/v			02/04/22 12:43	5
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ppb v/v			02/04/22 12:43	5
Trichloroethene	<0.12		1.0	0.12	ppb v/v			02/04/22 12:43	5
Vinyl chloride	<0.14		1.0	0.14	ppb v/v			02/04/22 12:43	5
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.65		4.0	0.65	ug/m3			02/04/22 12:43	5
Tetrachloroethene	610		6.8	0.92	ug/m3			02/04/22 12:43	5
trans-1,2-Dichloroethene	<1.7		4.0	1.7	ug/m3			02/04/22 12:43	5
Trichloroethene	<0.64		5.4	0.64	ug/m3			02/04/22 12:43	5
Vinyl chloride	<0.36		2.6	0.36	ug/m3			02/04/22 12:43	5

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #3792 (IA-4)

Lab Sample ID: 500-211792-5

Date Collected: 01/28/22 09:50

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 13:37	1
Tetrachloroethene	0.27		0.20	0.027	ppb v/v			02/04/22 13:37	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 13:37	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 13:37	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 13:37	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 13:37	1
Tetrachloroethene	1.8		1.4	0.18	ug/m3			02/04/22 13:37	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 13:37	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 13:37	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 13:37	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #3559 (IA-5)

Lab Sample ID: 500-211792-6

Date Collected: 01/28/22 09:52

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 14:30	1
Tetrachloroethene	0.53		0.20	0.027	ppb v/v			02/04/22 14:30	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 14:30	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 14:30	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 14:30	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 14:30	1
Tetrachloroethene	3.6		1.4	0.18	ug/m3			02/04/22 14:30	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 14:30	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 14:30	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 14:30	1

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #2778 (VP2)

Lab Sample ID: 500-211792-7

Date Collected: 01/27/22 10:32

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.099		0.60	0.099	ppb v/v			02/04/22 15:23	2.99
Tetrachloroethene	74		0.60	0.081	ppb v/v			02/04/22 15:23	2.99
trans-1,2-Dichloroethene	<0.26		0.60	0.26	ppb v/v			02/04/22 15:23	2.99
Trichloroethene	<0.072		0.60	0.072	ppb v/v			02/04/22 15:23	2.99
Vinyl chloride	<0.084		0.60	0.084	ppb v/v			02/04/22 15:23	2.99
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.39		2.4	0.39	ug/m3			02/04/22 15:23	2.99
Tetrachloroethene	500		4.1	0.55	ug/m3			02/04/22 15:23	2.99
trans-1,2-Dichloroethene	<1.0		2.4	1.0	ug/m3			02/04/22 15:23	2.99
Trichloroethene	<0.39		3.2	0.39	ug/m3			02/04/22 15:23	2.99
Vinyl chloride	<0.21		1.5	0.21	ug/m3			02/04/22 15:23	2.99

Client Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #5638 (HA-1)

Lab Sample ID: 500-211792-8

Date Collected: 01/27/22 11:08

Matrix: Air

Date Received: 02/01/22 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 16:16	1
Tetrachloroethene	1.7		0.20	0.027	ppb v/v			02/04/22 16:16	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 16:16	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 16:16	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 16:16	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 16:16	1
Tetrachloroethene	11		1.4	0.18	ug/m3			02/04/22 16:16	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 16:16	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 16:16	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 16:16	1

Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Air - GC/MS VOA

Analysis Batch: 176436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211792-1	CAN #4433 (IA-1)	Total/NA	Air	TO-15	
500-211792-2	CAN #34000605 (IA-2)	Total/NA	Air	TO-15	
500-211792-3	CAN #4316 (IA-3)	Total/NA	Air	TO-15	
MB 200-176436/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-176436/4	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 176455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211792-4	CAN #9196 (VP1)	Total/NA	Air	TO-15	
500-211792-5	CAN #3792 (IA-4)	Total/NA	Air	TO-15	
500-211792-6	CAN #3559 (IA-5)	Total/NA	Air	TO-15	
500-211792-7	CAN #2778 (VP2)	Total/NA	Air	TO-15	
500-211792-8	CAN #5638 (HA-1)	Total/NA	Air	TO-15	
MB 200-176455/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-176455/4	Lab Control Sample	Total/NA	Air	TO-15	

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-176436/5
Matrix: Air
Analysis Batch: 176436

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/03/22 12:48	1
Tetrachloroethene	<0.027		0.20	0.027	ppb v/v			02/03/22 12:48	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/03/22 12:48	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/03/22 12:48	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/03/22 12:48	1

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/03/22 12:48	1
Tetrachloroethene	<0.18		1.4	0.18	ug/m3			02/03/22 12:48	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/03/22 12:48	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/03/22 12:48	1
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/03/22 12:48	1

Lab Sample ID: LCS 200-176436/4
Matrix: Air
Analysis Batch: 176436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	8.89		ppb v/v		89	68 - 120	
Tetrachloroethene	10.0	10.4		ppb v/v		104	70 - 125	
trans-1,2-Dichloroethene	10.0	9.30		ppb v/v		93	69 - 137	
Trichloroethene	10.0	9.18		ppb v/v		92	73 - 122	
Vinyl chloride	10.0	9.12		ppb v/v		91	61 - 135	

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	%Rec. Limits
1,1-Dichloroethene	40	35.2		ug/m3		89	68 - 120	
Tetrachloroethene	68	70.9		ug/m3		104	70 - 125	
trans-1,2-Dichloroethene	40	36.9		ug/m3		93	69 - 137	
Trichloroethene	54	49.3		ug/m3		92	73 - 122	
Vinyl chloride	26	23.3		ug/m3		91	61 - 135	

Lab Sample ID: MB 200-176455/5
Matrix: Air
Analysis Batch: 176455

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			02/04/22 10:57	1
Tetrachloroethene	<0.027		0.20	0.027	ppb v/v			02/04/22 10:57	1
trans-1,2-Dichloroethene	<0.088		0.20	0.088	ppb v/v			02/04/22 10:57	1
Trichloroethene	<0.024		0.20	0.024	ppb v/v			02/04/22 10:57	1
Vinyl chloride	<0.028		0.20	0.028	ppb v/v			02/04/22 10:57	1

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			02/04/22 10:57	1
Tetrachloroethene	<0.18		1.4	0.18	ug/m3			02/04/22 10:57	1
trans-1,2-Dichloroethene	<0.35		0.79	0.35	ug/m3			02/04/22 10:57	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			02/04/22 10:57	1

Euromins Chicago

QC Sample Results

Client: Stantec Consulting Corp.
 Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-176455/5
Matrix: Air
Analysis Batch: 176455

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.072		0.51	0.072	ug/m3			02/04/22 10:57	1

Lab Sample ID: LCS 200-176455/4
Matrix: Air
Analysis Batch: 176455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	10.0	9.59		ppb v/v		96	72 - 121
1,1-Dichloroethene	10.0	9.50		ppb v/v		95	68 - 120
Tetrachloroethene	10.0	11.5		ppb v/v		116	70 - 125
trans-1,2-Dichloroethene	10.0	9.46		ppb v/v		95	69 - 137
Trichloroethene	10.0	9.99		ppb v/v		100	73 - 122
Vinyl chloride	10.0	10.0		ppb v/v		100	61 - 135
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	40	38.0		ug/m3		96	72 - 121
1,1-Dichloroethene	40	37.7		ug/m3		95	68 - 120
Tetrachloroethene	68	78.3		ug/m3		116	70 - 125
trans-1,2-Dichloroethene	40	37.5		ug/m3		95	69 - 137
Trichloroethene	54	53.7		ug/m3		100	73 - 122
Vinyl chloride	26	25.6		ug/m3		100	61 - 135

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #4433 (IA-1)

Date Collected: 01/28/22 10:07

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	176436	02/04/22 03:54	A1B	TAL BUR

Client Sample ID: CAN #34000605 (IA-2)

Date Collected: 01/28/22 10:05

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	176436	02/04/22 04:47	A1B	TAL BUR

Client Sample ID: CAN #4316 (IA-3)

Date Collected: 01/28/22 09:33

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	176436	02/04/22 05:40	A1B	TAL BUR

Client Sample ID: CAN #9196 (VP1)

Date Collected: 01/27/22 10:07

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		5	176455	02/04/22 12:43	K1P	TAL BUR

Client Sample ID: CAN #3792 (IA-4)

Date Collected: 01/28/22 09:50

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	176455	02/04/22 13:37	K1P	TAL BUR

Client Sample ID: CAN #3559 (IA-5)

Date Collected: 01/28/22 09:52

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-6

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	176455	02/04/22 14:30	K1P	TAL BUR

Client Sample ID: CAN #2778 (VP2)

Date Collected: 01/27/22 10:32

Date Received: 02/01/22 10:30

Lab Sample ID: 500-211792-7

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.99	176455	02/04/22 15:23	K1P	TAL BUR

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Client Sample ID: CAN #5638 (HA-1)

Lab Sample ID: 500-211792-8

Date Collected: 01/27/22 11:08

Matrix: Air

Date Received: 02/01/22 10:30

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	TO-15		1	176455	02/04/22 16:16	K1P	TAL BUR

Laboratory References:

TAL BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Project/Site: Former Wausaukee Laundromat - 193708272

Job ID: 500-211792-1

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21 *
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-22
Florida	NELAP	E87467	06-30-22
Minnesota	NELAP	050-999-436	12-31-22
New Hampshire	NELAP	2006	12-18-22
New Jersey	NELAP	VT972	06-30-22
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-22
Wisconsin	State	399133350	08-31-22

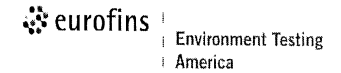
* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Burlington

530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.



TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information Company Name: <u>Stantec</u> Address: <u>1165 Scheuring Rd</u> City/State/Zip: <u>DePue WI 54115</u> Phone: <u>920-883-9501</u> FAX: <u>920-592-8444</u> Project Name: <u>Former Wausaukee Laundromat</u> Site/Location: <u>916 N Ave Wausaukee WI</u> PO #: <u>193708272</u>			Client Project Manager: <u>Jeff Brand</u> Phone: <u>920-883-9501</u> Email: <u>Jeff.brand@stantec.com</u> Site Contact: Tel/Fax:			Samples Collected By: <u>Jeff Brand</u>			COC No.: _____ of _____ COCs TALS Project #: _____ For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ Job / SDG No.: _____ (See below for Add'l Items)														
Analysis Turnaround Time Standard (Specific): Rush (Specify):			TO-14/15 (Standard / Low Level) * TO-15 SIM EPA 3C EPA 25C ASTM D-1946 EPA 15/16 Other (Please specify in notes section)			Sample Type Indoor Air/Ambient Air Sub-Slab Soil Gas Soil Vapor Extraction (SVE) Landfill Gas Other (Please specify in notes section)			Sample Specific Notes: * TO-15 for 4 VOCs PCE, TCE, DCE Vinyl chloride														
Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level) *	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	
Can # 4433 (IA-1)	1/27	1007	1/28	1007	-25	0	4202		X														
Can # 3400605 (IA-2)	1/27	1005	1/28	1005	-25	0	3783		X														
Can # 4316 (IA-3)	1/27	930	1/28	933	-30	-3	3384		X														
Can # 9196 (VPI)	1/27	936	1/27	1007	-27	0	5886		X														
Can # 3792 (IA-4)	1/27	950	1/28	950	-28	-1	2918		X														
Can # 3559 (IA-5)	1/27	952	1/28	952	-30	-5	2763		X														
Can # 2778 (VPA)	1/27	1000	1/27	1032	-25	0	7288		X														
Can # 5638 (HA-1)	1/27	1038	1/27	1108	>-30	-10	7138		X														
		Temperature (Fahrenheit) Start Interior Ambient Stop																					
		Pressure (inches of Hg) Start Interior Ambient Stop																					
Special Instructions/QC Requirements & Comments:																							
Samples Shipped by: <u>[Signature]</u>			Date / Time: <u>1/28/22 12:15</u>			Samples Received by: <u>[Signature]</u>																	
Samples Relinquished by: <u>Stantec</u>			Date / Time:			Received by:																	
Relinquished by:			Date / Time:			Received by:																	
Lab Use Only:			Shipper Name:			Opened by:			Condition:														





Environment Testing
TestAmerica

Part # 156297-435 FROW2 EXP 07/2022
Part # 156297-435 FROW2 EXP 07/2022

FROM: (999) 999-9999
Stantec
STANTEC CONSULTING SVCS INC.
209 COMMERCE PKWY
COTTAGE GROVE WI 53527
US

SHIP DATE: 28JAN22
ACTWGT: 32.45 LB
CAD: 6994181/SSFE2220
DIMMED: 20 X 20 X 20 IN
BILL 3rd PARTY

TO

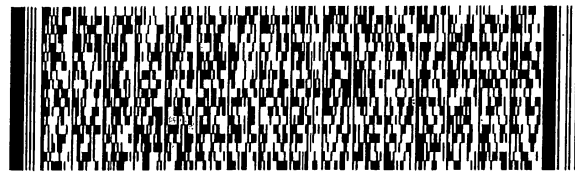
TESTAMERICA LABORATORIES INC
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403

(US)

(999) 999-9999
INU:
PO:

REF:

DEPT:



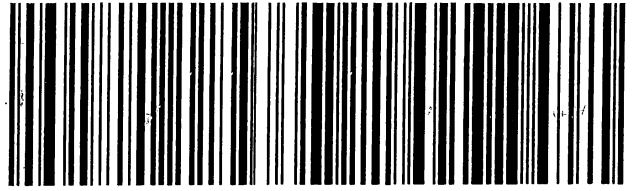
1 of 2

TRK# 2892 4590 6092

MASTER

05403

9622 0417 3 (000 000 0000) 0 00 2892 4590 6092





Environment Testing
TestAmerica

14611647894344812EXP 12/21

ORIGIN ID:BTVA (802) 660-1990
SAMPLE RECEIVING
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
UNITED STATES,US

SHIP DATE: 10JAN22
ACTWGT: 32.25 LB MAN
CAD: 000890864/CAFE9506
DIMS: 20x20x14 IN

BILL SENDER

FROM: (999) 999-9999
Stantec
STANTEC CONSULTING SVCS INC.
209 COMMERCE PKWY
COTTAGE GROVE WI 53527
US

SHIP DATE: 28JAN22
ACTWGT: 32.45 LB
CAD: 6994181/SSFE2220
DIMMED: 20 X 20 X 20 IN

BILL 3rd PARTY

Part # 150297-435 RFDW2 EXP 07/23

TO

TESTAMERICA LABORATORIES INC
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 05403

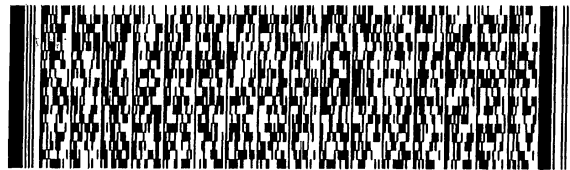
(US)

(999) 999-9999

REF:

INU:

DEPT:



FedEx
Ground



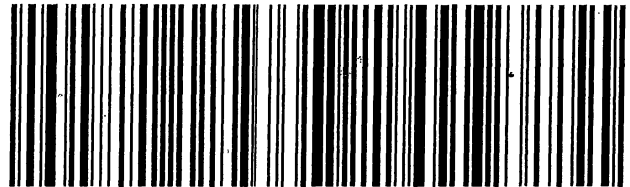
2 of 2

MPS# 2892 4590 6107

Mstr# 2892 4590 6092

05403

9622 0417 3 (000 000 0000) 0 00 2892 4590 6107



10:00

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-211792-1

Login Number: 211792

List Source: Eurofins Chicago

List Number: 1

Creator: Khudaier, Zahraa

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1534878, 879
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-211792-1

Login Number: 211792

List Number: 2

Creator: Khudaier, Zahraa

List Source: Eurofins Burlington

List Creation: 02/03/22 10:45 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1534878, 879
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID		Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician		Can Size	Certification Type:				
Bottom Rack		10	25	12/21/2021	1312	21	21	SML		6 liter	batch				
Port	Can ID	Initial ¹ (psia)	Final (psia)	Diff. ³	Final ("Hg)	Initial Reading					Final Reading				
						Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	7703	103	103	0	29.5	G26	12/22/21	1012	←	21.0	G26	11/7/22	1643	←	22.0
2	3074	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
3	4433	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
4	5138	103	103	0	29.5	G26	11/7/22	1745	←	22.0	G26	11/9/22	1530	←	22.0
5	4316	103	103	0	29.5	G26	12/22/21	1012	←	21.0	G26	11/7/22	1643	←	22.0
6	9196	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
7	5638	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
8	2778	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
9	3400605	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
10	5898	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
11	3792	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
12	3559	↓	103	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

³ Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister PM Authorization Date:

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: <input checked="" type="checkbox"/> TO15 Routine <input type="checkbox"/> TO15 LL				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Review
5138	12/24/21	48963	ABJ		XXXXXX				12/24/21	50K

Inventory Level 1: Individual Canister Certification (TO15LL 0.01). Comments: _____

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv). _____

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv). _____

Inventory Level Limited: Canisters may only be used for certain projects. _____

Dup Tees/Vac gauges (enter IDs if included): _____

Page 27 of 40

2/7/2022 (Rev. 1)

200-61504-A-4
 5138
 Location: Air-Storage
 Bottle: Summa Canister 6L
 Sampled: 12/27/2021 12:00 AM 200-1574397

Loc: 200

#4 A

Air-Storage



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-61504-1
 SDG No.: _____
 Client Sample ID: 5138 Lab Sample ID: 200-61504-4
 Matrix: Air Lab File ID: 48963-07.D
 Analysis Method: TO-15 Date Collected: 12/21/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/23/2021 12:55
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-61504-1
 SDG No.: _____
 Client Sample ID: 5138 Lab Sample ID: 200-61504-4
 Matrix: Air Lab File ID: 48963-07.D
 Analysis Method: TO-15 Date Collected: 12/21/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/23/2021 12:55
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-61504-1
 SDG No.: _____
 Client Sample ID: 5138 Lab Sample ID: 200-61504-4
 Matrix: Air Lab File ID: 48963-07.D
 Analysis Method: TO-15 Date Collected: 12/21/2021 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 12/23/2021 12:55
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 175272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D
 Lims ID: 200-61504-A-4
 Client ID: 5138
 Sample Type: Client
 Inject. Date: 23-Dec-2021 12:55:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0048963-007
 Misc. Info.: 61503-4
 Operator ID: wrd Instrument ID: CHC.i
 Method: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 24-Dec-2021 08:07:07 Calib Date: 17-Nov-2021 09:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20211116-48441.b\48441-18.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1673

First Level Reviewer: bunmaa

Date: 24-Dec-2021 08:07:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.821				ND	7
2 Dichlorodifluoromethane	85		2.885				ND	MU
3 Chlorodifluoromethane	51		2.922				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.120				ND	7
5 Chloromethane	50		3.226				ND	7
6 Butane	43		3.418				ND	7
7 Vinyl chloride	62		3.440				ND	7
8 Butadiene	54		3.509				ND	7
9 Bromomethane	94		4.101				ND	7
10 Chloroethane	64		4.326				ND	7
13 Vinyl bromide	106		4.689				ND	7
14 Trichlorofluoromethane	101		4.806				ND	7
16 Ethanol	45		5.377				ND	7
19 1,1,2-Trichloro-1,2,2-trifluoro	101		5.852				ND	7
20 1,1-Dichloroethene	96		5.857				ND	U
21 Acetone	43		6.076				ND	7
22 Carbon disulfide	76		6.220				ND	7
23 Isopropyl alcohol	45		6.460				ND	7
24 3-Chloro-1-propene	41		6.604				ND	7
26 Methylene Chloride	49		6.877				ND	7
28 2-Methyl-2-propanol	59		7.245				ND	
29 trans-1,2-Dichloroethene	61		7.341				ND	7
30 Methyl tert-butyl ether	73		7.368				ND	7
32 Hexane	57		7.784				ND	7
33 1,1-Dichloroethane	63		8.174				ND	7
34 Vinyl acetate	43		8.280				ND	7
35 cis-1,2-Dichloroethene	96		9.262				ND	7
36 2-Butanone (MEK)	72		9.316				ND	7
37 Ethyl acetate	88		9.412				ND	U
* 38 Chlorobromomethane	128	9.700	9.695	0.005	85	535021	20.0	
39 Tetrahydrofuran	42		9.780				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Chloroform	83		9.849				ND	
41 1,1,1-Trichloroethane	97		10.127				ND	7
42 Cyclohexane	84		10.138				ND	7
S 43 1,2-Dichloroethene, Total	61		10.200				ND	7
44 Carbon tetrachloride	117		10.394				ND	7
45 Benzene	78		10.815				ND	7
46 Isooctane	57		10.874				ND	
47 1,2-Dichloroethane	62		10.965				ND	
48 n-Heptane	43		11.280				ND	7
* 49 1,4-Difluorobenzene	114	11.669	11.664	0.005	94	2761956	20.0	
50 Trichloroethene	95	12.139	12.139	0.005	54	7805	0.0983	M
53 1,2-Dichloropropane	63		12.635				ND	
55 Methyl methacrylate	69		12.881				ND	
56 Dibromomethane	174	12.897	12.897	0.011	12	1908	0.0189	M
57 1,4-Dioxane	88		12.945				ND	7
58 Dichlorobromomethane	83		13.212				ND	
59 cis-1,3-Dichloropropene	75		14.172				ND	7
61 4-Methyl-2-pentanone (MIBK)	43		14.514				ND	7
62 Toluene	92		14.786				ND	7
66 trans-1,3-Dichloropropene	75		15.378				ND	7
67 1,1,2-Trichloroethane	83		15.741				ND	
68 Tetrachloroethene	166	15.923	15.923	0.011	63	6205	0.0446	M
69 2-Hexanone	43		16.264				ND	7
70 Chlorodibromomethane	129		16.515				ND	7
71 Ethylene Dibromide	107		16.761				ND	7
* 72 Chlorobenzene-d5	117	17.695	17.700	-0.005	85	2791005	20.0	
73 Chlorobenzene	112		17.759				ND	7
74 Ethylbenzene	91		17.935				ND	7
76 m-Xylene & p-Xylene	106		18.191				ND	7
77 o-Xylene	106		19.023				ND	
78 Styrene	104		19.072				ND	7
80 Bromoform	173		19.477				ND	7
81 Isopropylbenzene	105		19.776				ND	7
S 82 Xylenes, Total	106		20.100				ND	7
83 1,1,2,2-Tetrachloroethane	83		20.464				ND	7
85 N-Propylbenzene	91		20.577				ND	7
86 2-Chlorotoluene	91		20.769				ND	7
87 4-Ethyltoluene	105		20.785				ND	7
89 1,3,5-Trimethylbenzene	105		20.902				ND	7
91 tert-Butylbenzene	119		21.425				ND	7
92 1,2,4-Trimethylbenzene	105		21.526				ND	7
93 sec-Butylbenzene	105		21.772				ND	7
94 4-Isopropyltoluene	119		21.991				ND	7
95 1,3-Dichlorobenzene	146		21.996				ND	7
96 1,4-Dichlorobenzene	146		22.135				ND	7
97 Benzyl chloride	91		22.327				ND	7
98 n-Butylbenzene	91		22.578				ND	7
100 1,2-Dichlorobenzene	146		22.663				ND	7
102 1,2,4-Trichlorobenzene	180		24.985				ND	MU
103 Hexachlorobutadiene	225		25.193				ND	7
104 Naphthalene	128		25.396				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15CISs_00011

Amount Added: 40.00

Units: mL

Run Reagent



Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D

Injection Date: 23-Dec-2021 12:55:30

Instrument ID: CHC.i

Operator ID: wrd

Lims ID: 200-61504-A-4

Lab Sample ID: 200-61504-4

Worklist Smp#: 7

Client ID: 5138

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

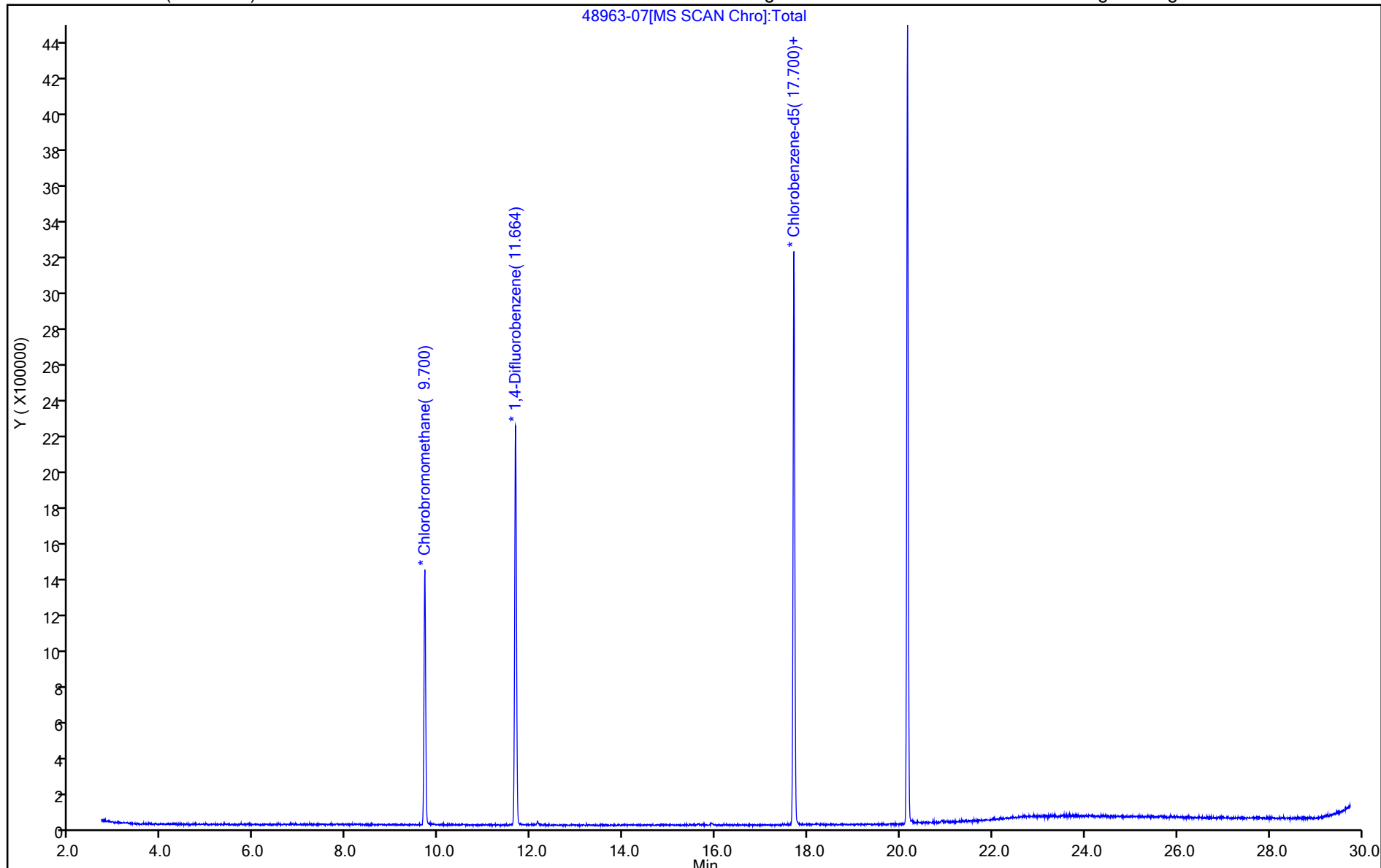
ALS Bottle#: 6

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

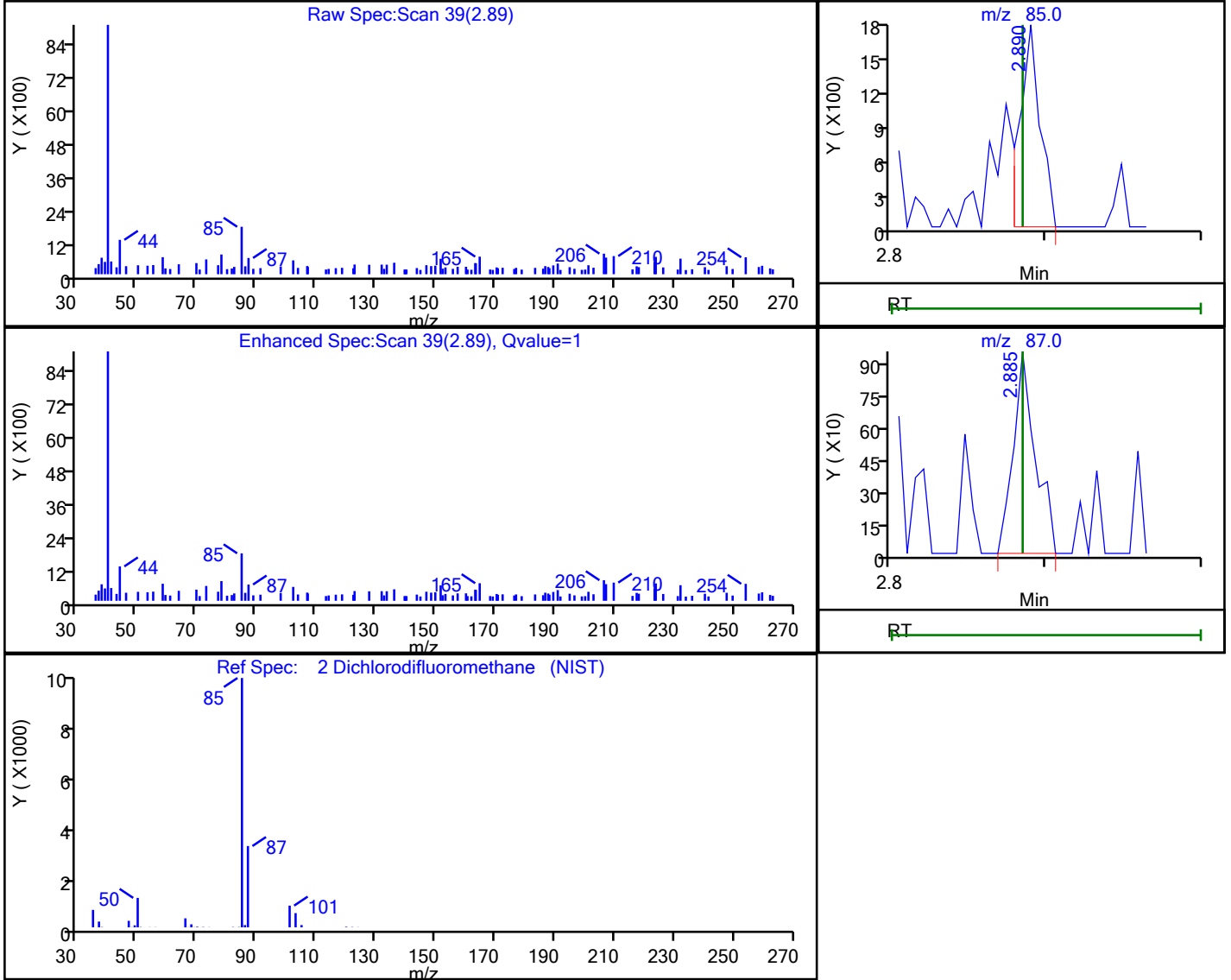


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D
 Injection Date: 23-Dec-2021 12:55:30 Instrument ID: CHC.i
 Lims ID: 200-61504-A-4 Lab Sample ID: 200-61504-4
 Client ID: 5138
 Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector MS SCAN

2 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
2.89	85.00	1562	0.010443
2.88	87.00	943	

Reviewer: bunmaa, 24-Dec-2021 08:02:12

Audit Action: Marked Compound Undetected

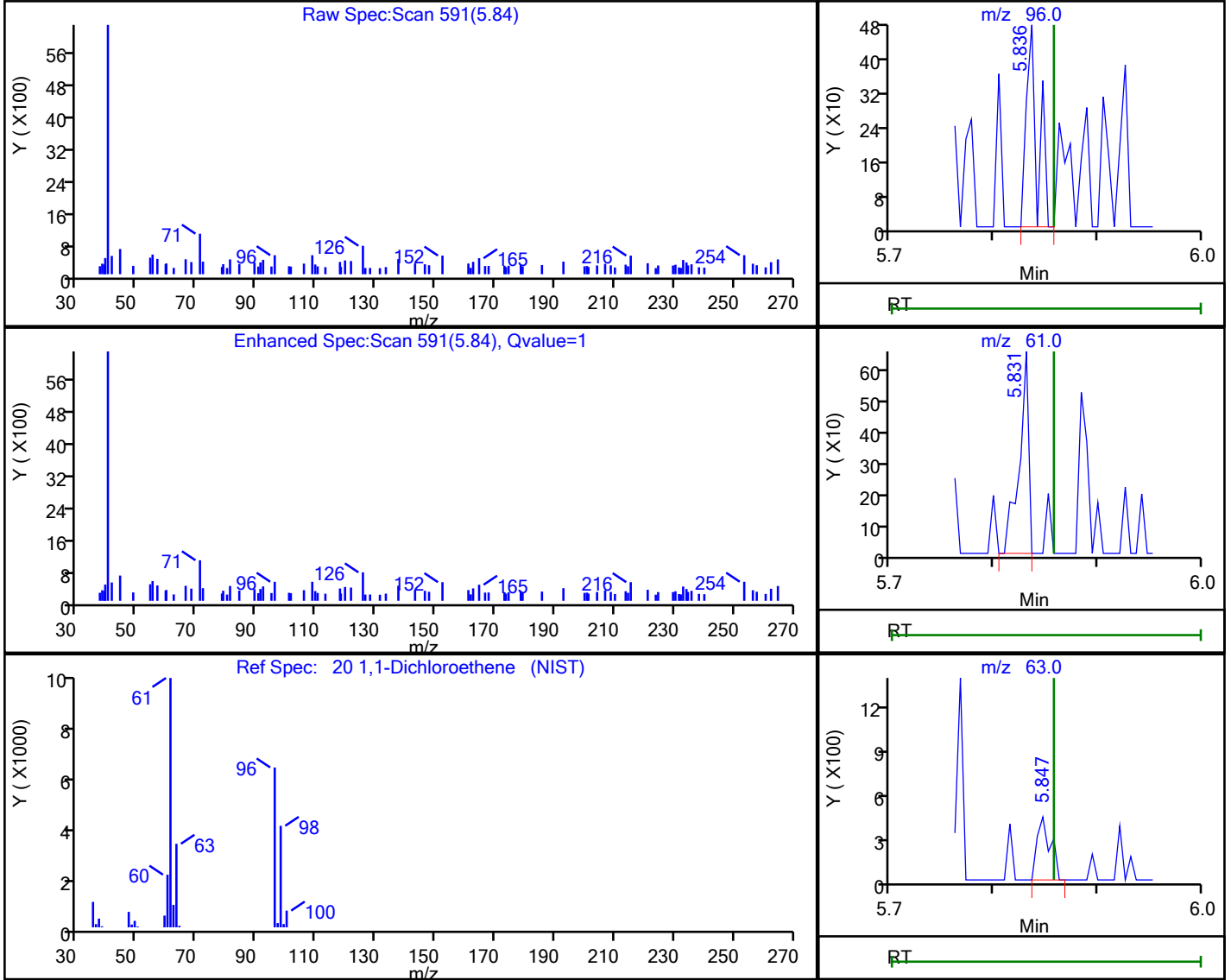
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D
 Injection Date: 23-Dec-2021 12:55:30 Instrument ID: CHC.i
 Lims ID: 200-61504-A-4 Lab Sample ID: 200-61504-4
 Client ID: 5138
 Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector: MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.84	96.00	356	0.008197
5.83	61.00	413	
5.85	63.00	365	

Reviewer: bunmaa, 24-Dec-2021 08:02:40
 Audit Action: Marked Compound Undetected

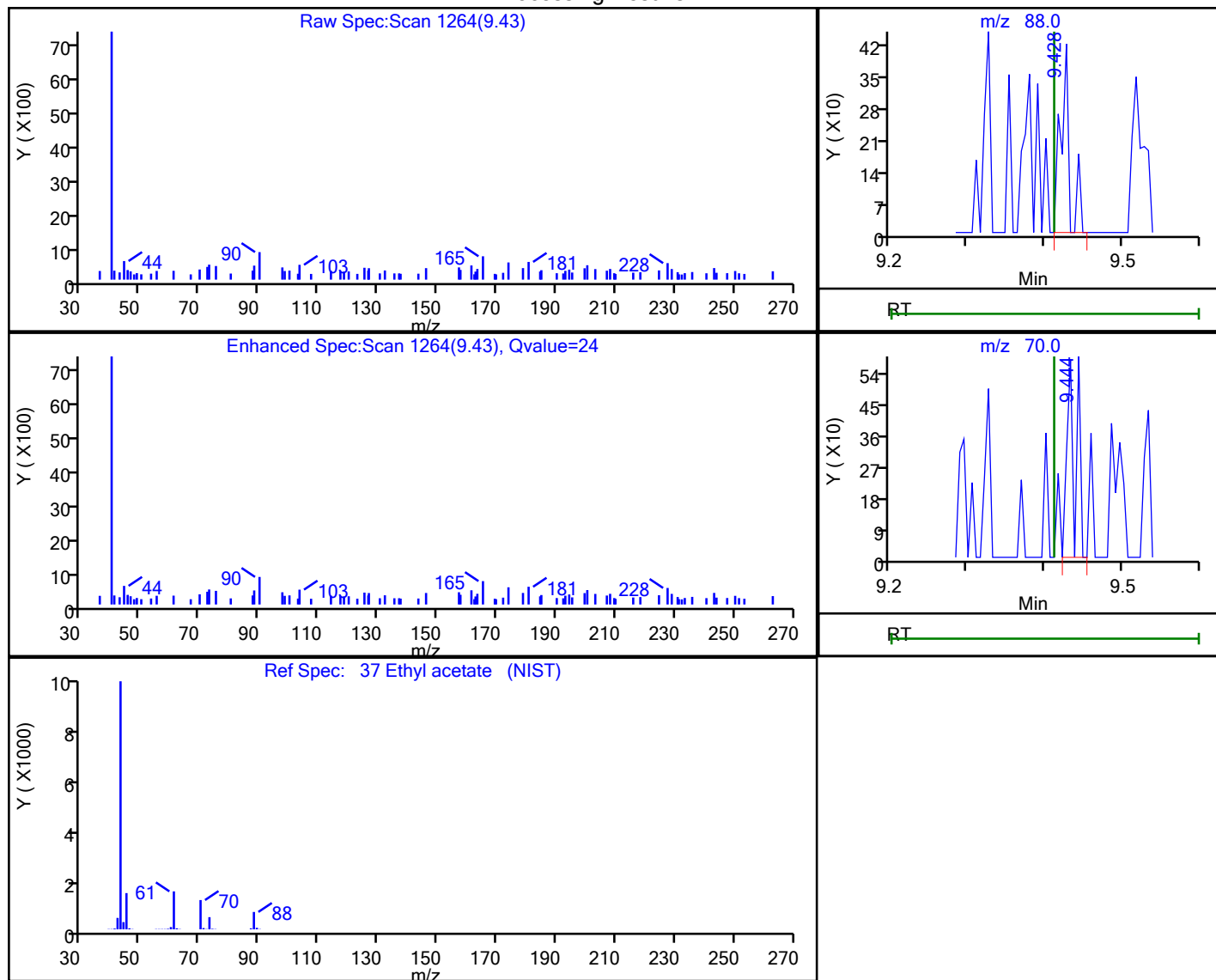
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D
 Injection Date: 23-Dec-2021 12:55:30 Instrument ID: CHC.i
 Lims ID: 200-61504-A-4 Lab Sample ID: 200-61504-4
 Client ID: 5138
 Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector: MS SCAN

37 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
9.43	88.00	328	0.083348
9.44	70.00	469	

Reviewer: bunmaa, 24-Dec-2021 08:03:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Burlington

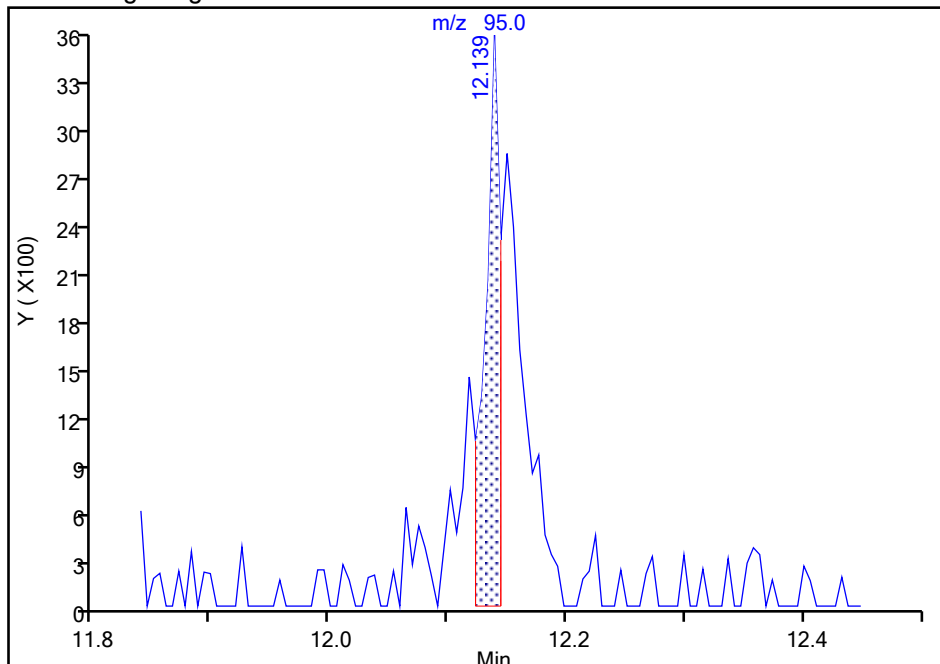
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D		
Injection Date:	23-Dec-2021 12:55:30	Instrument ID:	CHC.i
Lims ID:	200-61504-A-4	Lab Sample ID:	200-61504-4
Client ID:	5138		
Operator ID:	wrd	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

50 Trichloroethene, CAS: 79-01-6

Signal: 1

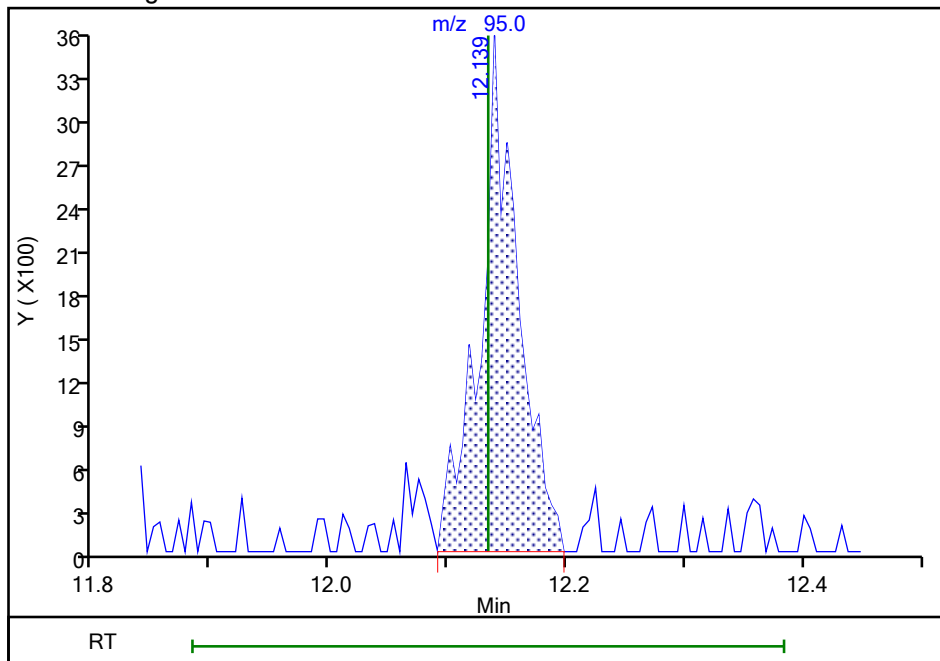
RT: 12.14
 Area: 3229
 Amount: 0.040668
 Amount Units: ppb v/v

Processing Integration Results



RT: 12.14
 Area: 7805
 Amount: 0.098301
 Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 24-Dec-2021 08:04:00

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins TestAmerica, Burlington

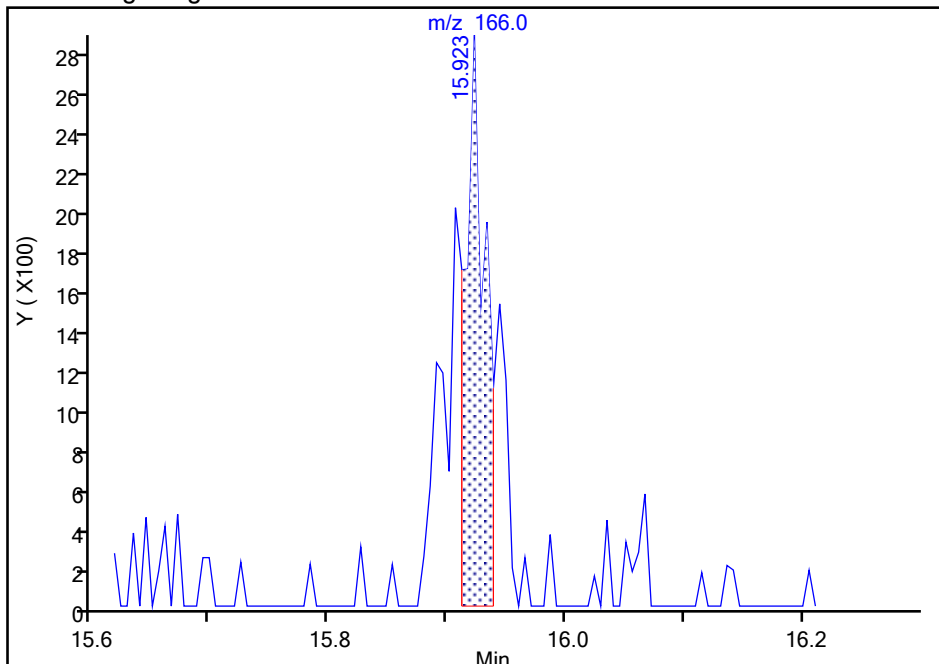
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D		
Injection Date:	23-Dec-2021 12:55:30	Instrument ID:	CHC.i
Lims ID:	200-61504-A-4	Lab Sample ID:	200-61504-4
Client ID:	5138		
Operator ID:	wrd	ALS Bottle#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

68 Tetrachloroethene, CAS: 127-18-4

Signal: 1

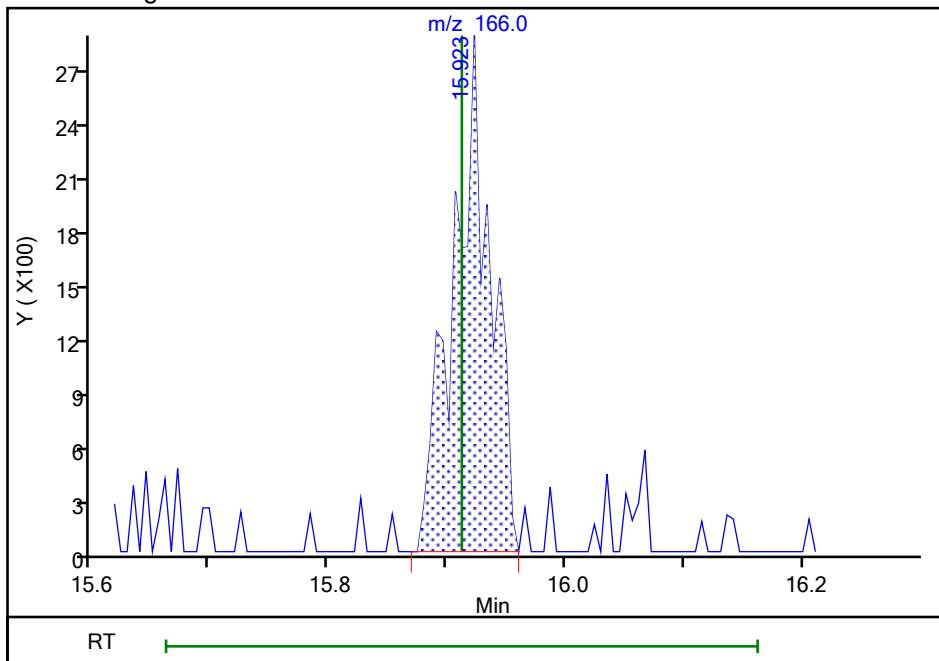
RT: 15.92
 Area: 3414
 Amount: 0.024553
 Amount Units: ppb v/v

Processing Integration Results



RT: 15.92
 Area: 6205
 Amount: 0.044625
 Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 24-Dec-2021 08:05:33
 Audit Action: Manually Integrated

Audit Reason: Assign Peak

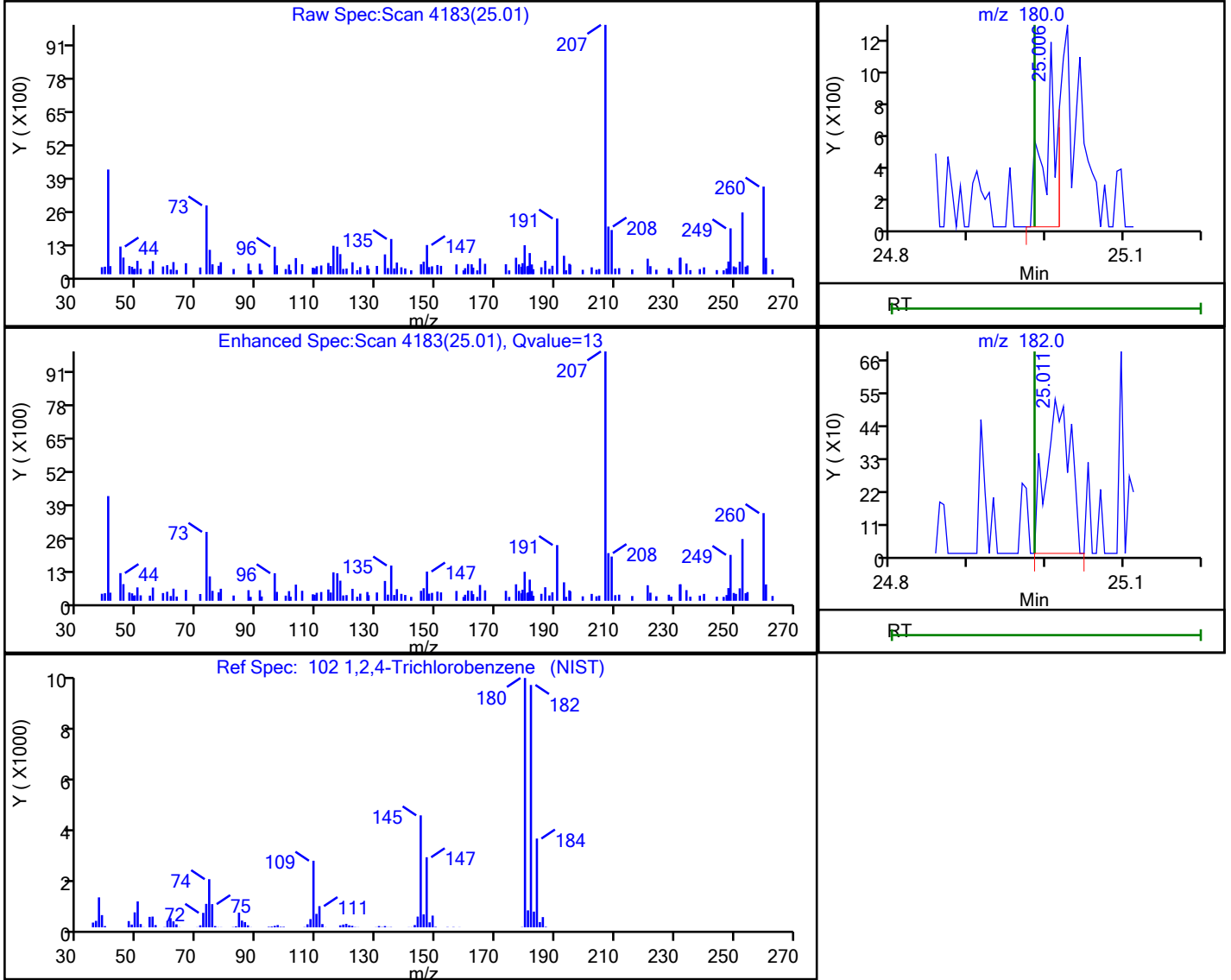


Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20211223-48963.b\48963-07.D
 Injection Date: 23-Dec-2021 12:55:30 Instrument ID: CHC.i
 Lims ID: 200-61504-A-4 Lab Sample ID: 200-61504-4
 Client ID: 5138
 Operator ID: wrd ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Method: TO15_MasterMethod_(v1)_CHC.i Limit Group: AI_TO15_ICAL
 Column: RTX-624 (0.32 mm) Detector: MS SCAN

102 1,2,4-Trichlorobenzene, CAS: 120-82-1

Processing Results



RT	Mass	Response	Amount
25.01	180.00	1187	0.004956
25.01	182.00	1143	

Reviewer: bunmaa, 24-Dec-2021 08:06:54

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

