State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name			DNR ID # (BRRTS #)
Arctic Laundry & Cleaners			02-30-245843
Address	**City**	**State**	**ZIP Code**
5619 22nd Avenue	Kenosha	WI	53140

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner			
Roy Baietto (responsible party, former property owner)			
Address	**City**	**State**	**ZIP Code**
1850 19th Aveneue	Kenosha	WI	53140
Contact Person		**Phone Number (include area code)**	
Roy Baietto		(262) 551-9239	

Person or company that collected samples

SCS Engineers

Sample Results (Results Attached)

Reason for Sampling: ◯ Routine ◉ Other (define) Vapor mitigation system commissioning

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	◯	◯	◯	◯
Diesel or Fuel Oil	◯	◯	◯	◯
Solvents	◯	◯	◯	◯
Heavy Metals	◯	◯	◯	◯
Pesticides	◯	◯	◯	◯
Other: _____	◯	◯	◯	◯

This sampling event included sampling of a drinking water well.
◯ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
◯ Yes ◯ No

Contaminants in Vapor	Yes	No
Indoor Air	◉	◯
Sub-slab	◯	◯
Exterior Soil Gas	◯	◯

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a $700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name	Contact Person Last Name	First Name
SCS Engineers	Langdon	Robert

Address	City	State	ZIP Code
2830 Dairy Drive	Madison	WI	53718

Phone # (inc. area code)	Email
(608) 212-3995	rlangdon@scsengineers.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

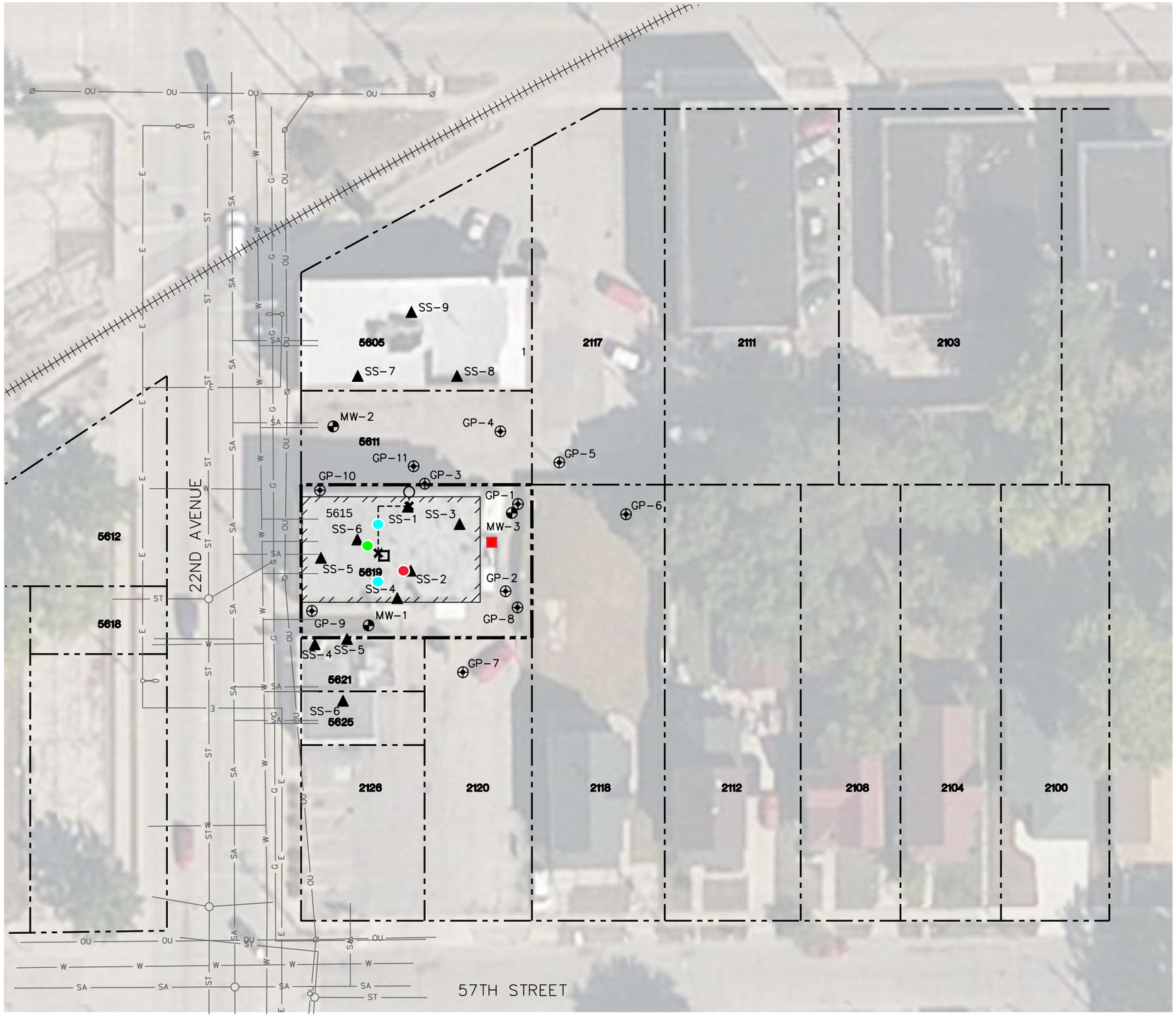
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Grittner	Paul	(414) 405-0764

Address	City	State	ZIP Code
141 NW Barstow Street	Waukesha	WI	53188-3789

Email

Paul.Grittner@wisconsin.gov



N

LEGEND

- APPROXIMATE PROPERTY LINE (5619 22ND AVENUE)
- APPROXIMATE PROPERTY LINE
- 5619 PROPERTY ADDRESS NUMBER
- RAILROAD TRACKS
- E ELECTRIC (BURIED)
- OU ELECTRIC (OVERHEAD)
- G GAS MAIN
- SA SANITARY SEWER
- ST STORM SEWER
- W WATER MAIN
- ø UTILITY POLE
- STREET LIGHT
- SUMP
- GEOPROBE BORING
- MONITORING WELL
- SUB-SLAB VAPOR/VACUUM OBSERVATION POINT
- INDOOR AIR SAMPLE ,BASEMENT
- INDOOR AIR SAMPLE, FIRST FL.
- INDOOR AIR SAMPLE, SECOND FL.
- OUTDOOR AIR SAMPLE
- VAPOR MITIGATION SYSTEM PIPING
- VAPOR MITIGATION SYSTEM PICK-UP POINT
- VAPOR MITIGATION SYSTEM FAN

NOTES:

1. AERIAL PHOTOGRAPH IMPORTED FROM BING MAPS USING AUTOCAD 2016 GEOLOCATION MAP TOOL.
2. UTILITY LOCATIONS ARE APPROXIMATE, BASED ON 22ND AVENUE STORM SEWER AND LIGHTING DRAWING PROVIDED BY THE CITY OF KENOSHA (STATE PROJECT NO. 3994-03-70, SHEET 2.5).
3. SAMPLE LOCATIONS ARE APPROXIMATE.

40 0 40

SCALE: 1" = 40'

SITE FEATURES MAP

ARCTIC LAUNDRY AND CLEANERS
5619 22ND AVENUE
KENOSHA, WISCONSIN

SITE

STAFFORD ROSENBAUM, LLP.
222 WEST WASHINGTON AVENUE
MADISON, WI 53701

CLIENT

FIGURE 2

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

DRAWN BY:	KP/BWM	
CHECKED BY:	REL	07/28/2023
APPROVED BY:	REL	07/28/2023
PROJECT NO.	25216186.00	
DRAWN:	10/20/2016	
REVISED:	07/28/2023	

I:\25216186.00\Drawings\Fig-02-SitePlan.dwg, 4/8/2022 11:14:12 AM

Table 5. Indoor Air Analytical Results Summary
22nd Avenue, Kenosha, Wisconsin / SCS Engineers Project #25216186.00
(Results are in ppbV)

Sample/Location	Date	Lab Notes	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
5605 Midnight Liquor and Bar							
5605 Basement	1/25/2018	--	<0.064	<0.077	<0.13	<0.11	<0.077
	10/2/2019	--	0.46	0.16	<0.082	<0.1	<0.073
5605 2nd Floor	1/25/2018	--	<0.064	<0.077	<0.13	<0.11	<0.077
	10/2/2019	--	0.12 J	<0.07	<0.082	<0.1	<0.073
5605 Outdoor	1/25/2018	--	<0.059	<0.071	<0.12	<0.1	<0.069
	10/2/2019	--	<0.059	<0.06	<0.069	<0.092	<0.062
5605 Bar	1/25/2018	--	<0.064	<0.077	<0.13	<0.11	<0.077
	10/2/2019	--	0.13 J	<0.07	<0.082	<0.1	<0.073
5605 Liquor Store	1/25/2018	--	<0.067	<0.079	<0.14	<0.12	<0.077
	10/2/2019	--	0.11 J	<0.07	<0.082	<0.1	<0.073
5615/5619 Former Arctic Laundry & Cleaners							
5619 Basement	2/7/2017	--	5.6	**1.0**	5	<0.15	<0.12
	4/23/2021	(1)	0.75	<0.055	<0.074	<0.065	<0.05
	7/20/2023	--	0.61	<0.025	<0.021	<0.023	<0.021
5615/5619 1st Floor	2/7/2017	--	1.3	0.31	1.2	<0.15	<0.12
	4/23/2021	(1)	0.58	<0.057	<0.077	<0.067	<0.054
	4/23/2021 Dup	(1)	0.54	<0.059	<0.077	<0.067	<0.054
5615	7/20/2023	--	0.16 J1	0.038 J1	0.28	<0.023	<0.021
5619	7/20/2023	--	0.15 J1	<0.025	0.10 J1	<0.023	<0.021
5619 2nd Floor	2/7/2017	--	1.1	0.22	0.84	<0.16	<0.13
	4/23/2021	(1)	0.16	<0.055	<0.074	<0.065	<0.05
	7/20/2023	--	0.043 J1	<0.025	<0.021	<0.023	<0.021
5619 Outdoor	2/7/2017	--	1.8	<0.075	<0.092	<0.14	<0.11
	7/20/2023	--	0.027 J1	<0.025	<0.021	<0.023	<0.021
5621/5625 Pa's Pizzeria							
5621 Basement	1/24/2018	--	<0.064	<0.075	<0.13	<0.11	<0.073
	10/2/2019	--	<0.068	<0.07	<0.082	<0.1	<0.073
5621 1st Floor	1/24/2018	--	<0.061	<0.071	<0.12	<0.11	<0.069
	10/2/2019	--	<0.068	<0.07	<0.082	<0.1	<0.073
5621 Outdoor	1/24/2018	--	<0.062	<0.073	<0.13	<0.11	<0.073
	10/2/2019	--	<0.064	<0.066	<0.077	<0.099	<0.069
5625 Storage	1/24/2018	--	<0.064	<0.077	<0.13	<0.11	<0.077
	10/2/2019	--	<0.17	<0.18	<0.21	<0.27	<0.19
Indoor Air Vapor Action Level (Residential Space)			6.1	0.38	10	10	0.65
Indoor Air Vapor Action Level (Small Commercial Space)			26	1.6	45	45	11

Table 5. Indoor Air Analytical Results Summary
22nd Avenue, Kenosha, Wisconsin / SCS Engineers Project #25216186.00

Abbreviations:

ppbV = parts per billion by volume
cis-1,2-DCE = cis-1,2-dichloroethylene
trans-1,2-DCE = trans-1,2-dichloroethylene
Dup = Duplicate Sample

Notes:

1. Samples were collected in 6-liter summa canisters over a 24-hour period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Action Levels are from Wisconsin Department of Natural Resources' WI Vapor Quick Look-Up Table, which is based on November 2022 USEPA Regional Screening Level Tables.
3. **Bold** & **underlined** values exceed Indoor Air Vapor Action Levels.

Lab Notes:

J = Estimated concentration at or above the LOD and below the LOQ.

J1 = Reported value was between the limit of detection and the limit of quantitation.

(1) These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

Created by:	LMH	Date:	2/24/2017
Last revision by:	JSN	Date:	7/27/2023
Checked by:	LMH	Date:	7/27/2023
Proj Mgr QA/QC:	REL	Date:	7/28/2023

I:\25216186.00\Data and Calculations\Tables\[Indoor Air.xlsx]Results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Robert Langdon
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

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JOB DESCRIPTION

Arctic Laundry Cleaners, Kenosha

JOB NUMBER

500-237012-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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7/26/2023 12:48:40 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Case Narrative

Client: SCS Engineers
Project/Site: Arctic Laundry Cleaners, Kenosha

Job ID: 500-237012-1

Job ID: 500-237012-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-237012-1

Comments
No additional comments.

Receipt
The samples were received on 7/21/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air Toxics
During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: 5619 Outdoor (500-237012-4). The associated flow controller was evaluated upon receipt and was found to be within the acceptable flow range as compared to the original set flow rate. The client was contacted, and the laboratory was instructed to continue the analysis with the addition of make-up air .

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

Detection Summary

Client: SCS Engineers
Project/Site: Arctic Laundry Cleaners, Kenosha

Job ID: 500-237012-1

Client Sample ID: 5615 1st Floor — Lab Sample ID: 500-237012-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.28		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.16	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.038	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		0.79	0.083	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.1	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.20	J	1.1	0.13	ug/m3	1		TO-15	Total/NA

Client Sample ID: 5619 1st Floor — Lab Sample ID: 500-237012-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.10	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.15	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.40	J	0.79	0.083	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.0	J	1.4	0.14	ug/m3	1		TO-15	Total/NA

Client Sample ID: 5619 2nd Floor — Lab Sample ID: 500-237012-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.043	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.29	J	1.4	0.14	ug/m3	1		TO-15	Total/NA

Client Sample ID: 5619 Outdoor — Lab Sample ID: 500-237012-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.027	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.18	J	1.4	0.14	ug/m3	1		TO-15	Total/NA

Client Sample ID: 5619 Basement — Lab Sample ID: 500-237012-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.61		0.20	0.021	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.1		1.4	0.14	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: SCS Engineers
Project/Site: Arctic Laundry Cleaners, Kenosha

Job ID: 500-237012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-237012-1	5615 1st Floor	Air	07/20/23 01:39	07/21/23 10:30	Air Canister (6-Liter) #5413
500-237012-2	5619 1st Floor	Air	07/20/23 01:40	07/21/23 10:30	Air Canister (6-Liter) #9268
500-237012-3	5619 2nd Floor	Air	07/20/23 01:29	07/21/23 10:30	Air Canister (6-Liter) #5693
500-237012-4	5619 Outdoor	Air	07/20/23 01:26	07/21/23 10:30	Air Canister (6-Liter) #3162
500-237012-5	5619 Basement	Air	07/20/23 01:42	07/21/23 10:30	Air Canister (6-Liter) #7827

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Client Sample ID: 5615 1st Floor
Lab Sample ID: 500-237012-1
Date Collected: 07/20/23 01:39
Matrix: Air
Date Received: 07/21/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.28		0.20	0.021	ppb v/v			07/25/23 16:56	1
Tetrachloroethene	0.16	J	0.20	0.021	ppb v/v			07/25/23 16:56	1
trans-1,2-Dichloroethene	<0.023		0.20	0.023	ppb v/v			07/25/23 16:56	1
Trichloroethene	0.038	J	0.20	0.025	ppb v/v			07/25/23 16:56	1
Vinyl chloride	<0.021		0.20	0.021	ppb v/v			07/25/23 16:56	1

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.1		0.79	0.083	ug/m3			07/25/23 16:56	1
Tetrachloroethene	1.1	J	1.4	0.14	ug/m3			07/25/23 16:56	1
trans-1,2-Dichloroethene	<0.091		0.79	0.091	ug/m3			07/25/23 16:56	1
Trichloroethene	0.20	J	1.1	0.13	ug/m3			07/25/23 16:56	1
Vinyl chloride	<0.054		0.51	0.054	ug/m3			07/25/23 16:56	1

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Client Sample ID: 5619 1st Floor
Lab Sample ID: 500-237012-2
Date Collected: 07/20/23 01:40
Matrix: Air
Date Received: 07/21/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.10	J	0.20	0.021	ppb v/v			07/25/23 17:49	1
Tetrachloroethene	0.15	J	0.20	0.021	ppb v/v			07/25/23 17:49	1
trans-1,2-Dichloroethene	<0.023		0.20	0.023	ppb v/v			07/25/23 17:49	1
Trichloroethene	<0.025		0.20	0.025	ppb v/v			07/25/23 17:49	1
Vinyl chloride	<0.021		0.20	0.021	ppb v/v			07/25/23 17:49	1

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.40	J	0.79	0.083	ug/m3			07/25/23 17:49	1
Tetrachloroethene	1.0	J	1.4	0.14	ug/m3			07/25/23 17:49	1
trans-1,2-Dichloroethene	<0.091		0.79	0.091	ug/m3			07/25/23 17:49	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			07/25/23 17:49	1
Vinyl chloride	<0.054		0.51	0.054	ug/m3			07/25/23 17:49	1

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Client Sample ID: 5619 2nd Floor
Lab Sample ID: 500-237012-3
Date Collected: 07/20/23 01:29
Matrix: Air
Date Received: 07/21/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.021		0.20	0.021	ppb v/v			07/25/23 18:42	1
Tetrachloroethene	**0.043**	**J**	0.20	0.021	ppb v/v			07/25/23 18:42	1
trans-1,2-Dichloroethene	<0.023		0.20	0.023	ppb v/v			07/25/23 18:42	1
Trichloroethene	<0.025		0.20	0.025	ppb v/v			07/25/23 18:42	1
Vinyl chloride	<0.021		0.20	0.021	ppb v/v			07/25/23 18:42	1

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.083		0.79	0.083	ug/m3			07/25/23 18:42	1
Tetrachloroethene	**0.29**	**J**	1.4	0.14	ug/m3			07/25/23 18:42	1
trans-1,2-Dichloroethene	<0.091		0.79	0.091	ug/m3			07/25/23 18:42	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			07/25/23 18:42	1
Vinyl chloride	<0.054		0.51	0.054	ug/m3			07/25/23 18:42	1

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Client Sample ID: 5619 Outdoor
Lab Sample ID: 500-237012-4
Date Collected: 07/20/23 01:26
Matrix: Air
Date Received: 07/21/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.021		0.20	0.021	ppb v/v			07/25/23 19:34	1
Tetrachloroethene	**0.027**	**J**	0.20	0.021	ppb v/v			07/25/23 19:34	1
trans-1,2-Dichloroethene	<0.023		0.20	0.023	ppb v/v			07/25/23 19:34	1
Trichloroethene	<0.025		0.20	0.025	ppb v/v			07/25/23 19:34	1
Vinyl chloride	<0.021		0.20	0.021	ppb v/v			07/25/23 19:34	1

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.083		0.79	0.083	ug/m3			07/25/23 19:34	1
Tetrachloroethene	**0.18**	**J**	1.4	0.14	ug/m3			07/25/23 19:34	1
trans-1,2-Dichloroethene	<0.091		0.79	0.091	ug/m3			07/25/23 19:34	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			07/25/23 19:34	1
Vinyl chloride	<0.054		0.51	0.054	ug/m3			07/25/23 19:34	1

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Client Sample ID: 5619 Basement
Lab Sample ID: 500-237012-5
Date Collected: 07/20/23 01:42
Matrix: Air
Date Received: 07/21/23 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.021		0.20	0.021	ppb v/v			07/25/23 20:27	1
Tetrachloroethene	**0.61**		0.20	0.021	ppb v/v			07/25/23 20:27	1
trans-1,2-Dichloroethene	<0.023		0.20	0.023	ppb v/v			07/25/23 20:27	1
Trichloroethene	<0.025		0.20	0.025	ppb v/v			07/25/23 20:27	1
Vinyl chloride	<0.021		0.20	0.021	ppb v/v			07/25/23 20:27	1

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.083		0.79	0.083	ug/m3			07/25/23 20:27	1
Tetrachloroethene	**4.1**		1.4	0.14	ug/m3			07/25/23 20:27	1
trans-1,2-Dichloroethene	<0.091		0.79	0.091	ug/m3			07/25/23 20:27	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			07/25/23 20:27	1
Vinyl chloride	<0.054		0.51	0.054	ug/m3			07/25/23 20:27	1

Definitions/Glossary

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Air - GC/MS VOA

Analysis Batch: 193867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237012-1	5615 1st Floor	Total/NA	Air	TO-15	
500-237012-2	5619 1st Floor	Total/NA	Air	TO-15	
500-237012-3	5619 2nd Floor	Total/NA	Air	TO-15	
500-237012-4	5619 Outdoor	Total/NA	Air	TO-15	
500-237012-5	5619 Basement	Total/NA	Air	TO-15	
MB 200-193867/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-193867/3	Lab Control Sample	Total/NA	Air	TO-15	

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

Lab Sample ID: MB 200-193867/4
Matrix: Air
Analysis Batch: 193867

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.021		0.20	0.021	ppb v/v			07/25/23 09:48	1
Tetrachloroethene	<0.021		0.20	0.021	ppb v/v			07/25/23 09:48	1
trans-1,2-Dichloroethene	<0.023		0.20	0.023	ppb v/v			07/25/23 09:48	1
Trichloroethene	<0.025		0.20	0.025	ppb v/v			07/25/23 09:48	1
Vinyl chloride	<0.021		0.20	0.021	ppb v/v			07/25/23 09:48	1

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.083		0.79	0.083	ug/m3			07/25/23 09:48	1
Tetrachloroethene	<0.14		1.4	0.14	ug/m3			07/25/23 09:48	1
trans-1,2-Dichloroethene	<0.091		0.79	0.091	ug/m3			07/25/23 09:48	1
Trichloroethene	<0.13		1.1	0.13	ug/m3			07/25/23 09:48	1
Vinyl chloride	<0.054		0.51	0.054	ug/m3			07/25/23 09:48	1

Lab Sample ID: LCS 200-193867/3
Matrix: Air
Analysis Batch: 193867

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	9.66		ppb v/v		97	72 - 121
Tetrachloroethene	10.0	9.59		ppb v/v		96	70 - 125
trans-1,2-Dichloroethene	10.0	9.43		ppb v/v		94	69 - 137
Trichloroethene	10.0	9.49		ppb v/v		95	73 - 122
Vinyl chloride	10.0	8.52		ppb v/v		85	61 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	40	38.3		ug/m3		97	72 - 121
Tetrachloroethene	68	65.0		ug/m3		96	70 - 125
trans-1,2-Dichloroethene	40	37.4		ug/m3		94	69 - 137
Trichloroethene	54	51.0		ug/m3		95	73 - 122
Vinyl chloride	26	21.8		ug/m3		85	61 - 135

Lab Chronicle

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Client Sample ID: 5615 1st Floor
Lab Sample ID: 500-237012-1
Date Collected: 07/20/23 01:39
Matrix: Air
Date Received: 07/21/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	193867	K1P	EET BUR	07/25/23 16:56

Client Sample ID: 5619 1st Floor
Lab Sample ID: 500-237012-2
Date Collected: 07/20/23 01:40
Matrix: Air
Date Received: 07/21/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	193867	K1P	EET BUR	07/25/23 17:49

Client Sample ID: 5619 2nd Floor
Lab Sample ID: 500-237012-3
Date Collected: 07/20/23 01:29
Matrix: Air
Date Received: 07/21/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	193867	K1P	EET BUR	07/25/23 18:42

Client Sample ID: 5619 Outdoor
Lab Sample ID: 500-237012-4
Date Collected: 07/20/23 01:26
Matrix: Air
Date Received: 07/21/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	193867	K1P	EET BUR	07/25/23 19:34

Client Sample ID: 5619 Basement
Lab Sample ID: 500-237012-5
Date Collected: 07/20/23 01:42
Matrix: Air
Date Received: 07/21/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	193867	K1P	EET BUR	07/25/23 20:27

Laboratory References:

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 500-237012-1
Project/Site: Arctic Laundry Cleaners, Kenosha

Laboratory: Eurofins Burlington

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	399133350	08-31-23

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.

500-237012 Chain of Custody

America

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

Client Contact Information	Client Project Manager: Robert Langdon	Samples Collected By: Robert Langdon	COC No: 1
Company Name: SCS Engineers	Phone: 608, 212-3995		1 of 1 COCs
Address: 2830 Dairy Drive	Email: rlangdon@scsengineers.com		TALS Project #:
City/State/Zip: Madison, WI 53718			For Lab Use Only:
Phone: 608 212 3995	Site Contact: —		Walk-in Client:
FAX:	Tel/Fax: —		Lab Sampling:
Project Name: Arctic Laundry & Cleaners	Analysis Turnaround Time		Job / SDG No.:
Site/Location: Kenosha, WI	Standard (Specific): Standard		(See below for Add'l Items)
P O #	Rush (Specifiy): —		

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)	Sample Specific Notes:
5615 1st Floor	7/19/23	3:54	7/20/23	1:39	-30	-9	4203	5413	X														
5619 1st Floor		4:02		1:40	-30	-9	3115	9268															
5619 2nd Floor		4:12		1:29	-28	-5	8711	5693															
5619 Outdoor		4:18		1:26	-30	-10	8794	3162															
5619 Basement		3:44		1:42	-30	-7	3239	7827															

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Analyze for PCE, TCE, cis & trans 1,2 DCE, and vinyl chloride (i.e., chlorinated VOC TO-15 shortlist)

Samples Shipped by:	Date / Time: 7/20/23 4:00 pm	Samples Received by: ETA Burl 7/21/23 1030
Samples Relinquished by:	Date / Time:	Received by:
Relinquished by:	Date / Time:	Received by:

Lab Use Only: Shipper Name: Opened by: Condition:

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

7/26/2023

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 03/24

ORIGIN ID:BTVA (802) 923-1058
ROBERT LANGDON
SCS ENGINEERS
2830 DAIRY DRIVE

MADISON, WI 53718
UNITED STATES US

SHIP DATE: 17JUL23
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3621

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S500 - 114566

RMA:

FedEx Express

FedEx

TRK# 0221 6527 5588 1277

FRI - 21 JUL 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 03/24

ORIGIN ID:BTVA (802) 923-1058
ROBERT LANGDON
SCS ENGINEERS
2830 DAIRY DRIVE

MADISON, WI 53718
UNITED STATES US

SHIP DATE: 17JUL23
ACTWGT: 10.00 LB MAN
CAD: 000890364/CAFE3621

TO SAMPLE MANAGEMENT
EUROFINS TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1058
REF: S500 - 114566

RMA:

FedEx Express

FedEx

TRK# 0221 6527 5588 1266

FRI - 21 JUL 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-237012-1

Login Number: 237012
List Number: 1
Creator: Reynolds, Jamie K

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
500-237012	07/21/23	14:01	29.4	23	G20	JR

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		N o	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		N o	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
500-237012-A-1	5413	-7.7	N	4203	97/37	Y	9278-56250	
500-237012-A-2	9268	-9.2	N	3115	97/37	Y	9278-56250	
500-237012-A-3	5693	-6.2	N	5877	97/37	Y	9278-56250	
500-237012-A-4	3162	-10.3	Y	8794	97/37	Y	9278-56250	
500-237012-A-5	7827	-5.4	N	3239	97/37	Y	9278-56250	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

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:
Top Rack	10	25	6/27/2023	1600	24	WRD	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5693	.02	.02	0	29.5	G26	6/28/23	1720	JDB	23	G26	7/11/23	1051	←	22.0
2	34000267		.02	0		G26					G26				
3	5413		.02	0		G26					G26				
4	3162		.02	0		G26					G26				
5	4158		.02	0		G26					G26				
6	6268		.02	0		G26					G26				
7	9221		.02	0		G26					G26				
8	7827		.02	0		G26					G26				
9	9268		.02	0		G26					G26				
10	34001569		.02	0		G26					G26				
11	34001659	↓	.02	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
12	9278	.04	.04	0	29.6	G26	7/11/23	1059	←	22.0	G26	7/19/23	1204	←	23.0

[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: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
9278	7/11/23	56250	KPI						7/11/23	JDB

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

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):

Comments:

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

Lab Name: Eurofins Burlington Job No.: 200-68853-1

SDG No.:

Client Sample ID: 9278 Lab Sample ID: 200-68853-12

Matrix: Air Lab File ID: 56250_017.D

Analysis Method: TO-15 Date Collected: 06/27/2023 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2023 20:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 193372 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

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

Lab Name: Eurofins Burlington Job No.: 200-68853-1

SDG No.:

Client Sample ID: 9278 Lab Sample ID: 200-68853-12

Matrix: Air Lab File ID: 56250_017.D

Analysis Method: TO-15 Date Collected: 06/27/2023 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2023 20:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 193372 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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
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

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

Lab Name: Eurofins Burlington Job No.: 200-68853-1

SDG No.:

Client Sample ID: 9278 Lab Sample ID: 200-68853-12

Matrix: Air Lab File ID: 56250_017.D

Analysis Method: TO-15 Date Collected: 06/27/2023 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/10/2023 20:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 193372 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
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
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 Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20230710-56250.b\56250_017.D
Lims ID: 200-68853-A-12
Client ID: 9278
Sample Type: Client
Inject. Date: 10-Jul-2023 20:49:51 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0056250-017
Misc. Info.: 68853-12
Operator ID: wrd Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20230710-56250.b\TO15_TO3_Master_Method_AM.m
Limit Group: AI_TO15_ICAL
Last Update: 11-Jul-2023 09:19:08 Calib Date: 05-Apr-2023 00:34:15
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20230404-54971.b\54971_010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: puangmaleek Date: 11-Jul-2023 09:20:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41	4.326	4.321	0.005	88	1787	0.1439	
	2 Dichlorodifluoromethane	85		4.417				ND	7
	3 Chlorodifluoromethane	51		4.471				ND	7
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.797				ND	
	5 Chloromethane	50		4.925				ND	7
	7 Butane	43		5.220				ND	7
	6 Vinyl chloride	62		5.225				ND	
	8 Butadiene	54		5.343				ND	
	9 Bromomethane	94		6.086				ND	
	10 Chloroethane	64		6.364				ND	
	13 Vinyl bromide	106		6.798				ND	
	14 Trichlorofluoromethane	101		6.958				ND	
	16 Ethanol	45	7.413	7.392	0.021	97	1471	0.1417	
	20 1,1-Dichloroethene	96		8.050				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.082				ND	
	22 Acetone	43	8.178	8.157	0.021	96	15386	0.4398	
	24 Carbon disulfide	76	8.451	8.451	0.000	99	16101	0.1975	
	23 Isopropyl alcohol	45		8.462				ND	7
	26 3-Chloro-1-propene	41		8.767				ND	
	27 Methylene Chloride	49	9.007	9.007	0.000	90	5131	0.1800	
	28 2-Methyl-2-propanol	59		9.243				ND	
	30 trans-1,2-Dichloroethene	61		9.499				ND	
	31 Methyl tert-butyl ether	73		9.505				ND	
	32 Hexane	57		10.008				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	33 1,1-Dichloroethane	63		10.297				ND	
	34 Vinyl acetate	43		10.302				ND	
	36 2-Butanone (MEK)	72	11.308	11.292	0.016	97	3335	0.2235	
	37 cis-1,2-Dichloroethene	96		11.308				ND	
	38 Ethyl acetate	88		11.356				ND	
*	39 Chlorobromomethane	128	11.725	11.725	0.000	86	221785	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Tetrahydrofuran	42		11.752				ND	7
	41 Chloroform	83		11.907				ND	
	42 1,1,1-Trichloroethane	97		12.201				ND	
	43 Cyclohexane	84		12.324				ND	
	44 Carbon tetrachloride	117		12.474				ND	
	45 Benzene	78		12.832				ND	7
	46 1,2-Dichloroethane	62		12.923				ND	
	47 Isooctane	57		13.036				ND	
	48 n-Heptane	43		13.341				ND	
*	49 1,4-Difluorobenzene	114	13.581	13.581	0.000	94	1107907	10.0	
	51 Trichloroethene	95		14.009				ND	
	53 1,2-Dichloropropane	63		14.480				ND	
	54 Methyl methacrylate	69		14.566				ND	
	55 1,4-Dioxane	88		14.603				ND	
	57 Dibromomethane	174		14.641				ND	7
	58 Dichlorobromomethane	83		14.956				ND	
	59 cis-1,3-Dichloropropene	75		15.759				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		16.032				ND	
	62 Toluene	92		16.390				ND	7
	66 trans-1,3-Dichloropropene	75		16.823				ND	
	67 1,1,2-Trichloroethane	83		17.203				ND	
	68 Tetrachloroethene	166		17.374				ND	
	69 2-Hexanone	43		17.615				ND	
	70 Chlorodibromomethane	129		17.936				ND	
	71 Ethylene Dibromide	107		18.177				ND	
*	73 Chlorobenzene-d5	117	19.086	19.086	0.000	86	980828	10.0	
	74 Chlorobenzene	112		19.145				ND	
	75 Ethylbenzene	91		19.327				ND	7
	76 m-Xylene & p-Xylene	106		19.589				ND	7
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.359				ND	
	79 Styrene	104		20.397				ND	
	81 Bromoform	173		20.734				ND	
	82 Isopropylbenzene	105		21.023				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.547				ND	7
	85 N-Propylbenzene	91		21.718				ND	7
	86 2-Chlorotoluene	91		21.868				ND	7
	87 4-Ethyltoluene	105		21.911				ND	
	88 1,3,5-Trimethylbenzene	105		22.002				ND	
	91 tert-Butylbenzene	119		22.478				ND	
	92 1,2,4-Trimethylbenzene	105		22.564				ND	7
	93 sec-Butylbenzene	105		22.799				ND	7
	94 1,3-Dichlorobenzene	146		22.976				ND	
	95 4-Isopropyltoluene	119		23.008				ND	7
	96 1,4-Dichlorobenzene	146		23.115				ND	
	97 Benzyl chloride	91		23.270				ND	
	98 n-Butylbenzene	91		23.575				ND	
	99 1,2-Dichlorobenzene	146		23.617				ND	
	102 1,2,4-Trichlorobenzene	180		26.132				ND	
	103 Hexachlorobutadiene	225		26.373				ND	
	104 Naphthalene	128		26.635				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15AHISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 11-Jul-2023 09:20:40 Chrom Revision: 2.3 21-Jun-2023 17:36:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20230710-56250.b\56250_017.D

Injection Date:	10-Jul-2023 20:49:51	Instrument ID:	CHAM.i	Operator ID:	wrd
Lims ID:	200-68853-A-12	Lab Sample ID:	200-68853-12	Worklist Smp#:	17
Client ID:	9278				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AM	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1