From: Jenna Williams < jwilliams@fehrgraham.com>

Sent: Friday, March 17, 2023 12:17 PM

To: Schultz, Josie M - DNR; Jbutz@baytowel.com; dongallolaw@outlook.com;

Jeanne Tarvin; nreid@resolutemgmt.com; sroalsvik@resolutemgmt.com

Cc: Dillon Plamann; Kendyl Hoss

Subject: Vapor Sampling Results - 317 Chicago Street, Green Bay (Private Residence) **Attachments:** 21-1121 - Bay Towel 2023-03-16 - Sampling Results February 2023 - 317

Chicago Street.pdf

CAUTION: This email originated from outside the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

Greetings,

We have received the results of the vapor sampling conducted at the private residence, located at 317 Chicago Street and sampled on February 28 and March 1, 2023. Please find attached the laboratory analytical results for the site, along with a letter which provides information on the results.

Since the private residence owner does not have an email address, we are sending the results via certified mail. In addition, I have spoken with the property owner over the phone today and relayed to her that the results for her home were all non-detectable concentrations and that the letter and analytical reports are coming in the mail.

Please let us know if there are any questions.

Thank you, Jenna



JENNA WILLIAMS | EHS Specialist Fehr Graham | Engineering & Environmental

909 North 8th Street, Suite 101 Sheboygan, Wisconsin 53081 P: 920.453.0700 C: 920.858.0617 fehrgraham.com



Certified Mail No.: 7021 0350 0000 5320 6262

March 16, 2023

Ms. Donna Van Ark (Cornelius) 317 Chicago Street Green Bay, WI 54303

RE: Vapor Sampling Results February 2023 for 317 Chicago Street, Green Bay, WI Former Bay Towel Site 501 S. Adams Street Green Bay, WI BRRTS # 02-05-237064

Dear Ms. Van Ark (Cornelius):

Fehr Graham, on behalf of Bay Towel, has completed additional site investigation activities for the former Bay Towel site located at 501 South Adams Street, Green Bay, WI 54301 (BRRTS #02-05-237064). The following site investigation activities have been completed on your property at 317 Chicago Street:

- » One (1) sub-slab vapor port was installed and sampled to analyze the vapor chemistry below the property building. The first of up to two (2) sub-slab vapor sampling events was completed.
- » One (1) indoor air vapor sample was collected to analyze the vapor chemistry within the property building. The first of up to two (2) indoor air vapor sampling events was completed.
- One (1) outdoor ambient air vapor sample was collected for quality control purposes to analyze the upwind vapor chemistry outside the property building.
- » All vapor samples were submitted for laboratory analysis of Chlorinated Volatile Organic Compounds (CVOCs) that are associated with drycleaning solvents: tetrachloroethylene trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, and vinyl chloride.

CVOC compounds were not detected in vapors at your property. Therefore, there are no exceedances of the Residential Sub-Slab and Indoor Air standards established by the Wisconsin Department and Natural Resources (DNR) and the Wisconsin Department of Health Services (DHS). The vapor results are summarized and compared to relevant standards in attached Table A.4.iii. The laboratory analytical reports for the vapor samples are also included as attachments.

The next step is to complete a second round of vapor testing at the property building to confirm the results of the first round of vapor testing and that there is not a health concern in the property building in regards to vapor intrusion from the Bay Towel site.

A full summary of all site investigation results will be submitted to the DNR in the near future in a Site Investigation Report. Please refer to the attached DNR fact sheet RR-977 for additional explanation of the vapor results at your property.

March 16, 2023 Sampling Results Letter Page 2

Thank you for your cooperation on this investigation, and please share these results with all property building occupants. If you have any questions, please feel free to contact the Wisconsin DNR Project Manager for the Bay Towel Site, Ms. Josie Schultz (josie.schultz@wisconsin.gov or 920.366.5685), or contact me at dplamann@fehrgraham.com or 920.946.2407.

Sincerely,

Dillon Plamann, PG Project Hydrogeologist

Attachments: Table A.4.iii: Vapor Analytical Table – 317 Chicago Street

Table A.4.v: Vapor Analytical Table – Upwind-Outdoor Air

Laboratory Analytical Reports

RR-977: Understanding Chemical Vapor Intrusion Testing Results

Cc: Ms. Josie Schultz, WDNR, via email only to josie.schultz@wisconsin.gov

Mr. Don Gallo, Gallo Law, LLC, via email only to dongallolaw@outlook.com

Mr. John Butz, Bay Towel, via email only to jbutz@baytowel.com

TABLE A.4.III

Vapor Analytical Table - 317 Chicago Street Former Bay Towel 501 S Adams Street, Green Bay, WI 54301 BRRTS# 02-05-237064

	Sample ID				Residence 24-hr Indoor Air	Residence SSVS-1
Sa	mple Date				3/1/23	2/28/23
Samp	le Location		ب		basement	basement
Туре	of Sample	gen	·S VRSL	S	indoor air	sub-slab
Collection	on Method	n gon	HFS or V	DHFS I VAL	Composite	Grab
Time Period of	Collection	ogen arcinogen	WDHF tial Vapor	> 65	24-hour	30-min
Analytic	cal Method	ں ق	3 / / eent	\ ~ ~	TO-15 chlorinated	TO-15 chlorinated
Method/Result Leak	Detection		WDNR / Resident Subslab \	WDNR. Reside i Indoor	shut-in/pass	water/fail
		ΰ	WI Re Sul	WD Res Ind		
Tetrachloroethene (PCE)	μg/m³	N	1,400	42	<1.36	<1.36
Trichloroethene (TCE)	μg/m³	С	70	2.1	<1.07	<1.07
cis-1,2 Dichloroethene	μg/m³	N	1,400	42.0	<0.793	<0.793
trans-1,2 Dichloroethene	μg/m³	N	1,400	42	<0.793	<0.793
Vinyl Chloride	μg/m³	С	56	1.7	<0.511	<0.511

Notes:

N = Noncarcinogen; C = Carcinogen

ITALICS: Exceeds Subslab Vapor Standard

BOLD: Exceeds Indoor Air Standard

NA = Not Analyzed NS = No Standards

VAL = Vapor Action Level (compared for indoor air concentrations)

VRSL = Vapor Risk Screening Levels (compared for sub-slab vapor concentrations)

AF (Attenuation Factor) = 0.03 for Residential and Small Commercial

Standards for VAL and VRSL from January 2023 WDNR RR-0136 based on November 2022 U.S. EPA Regional Screening Level (RSL) Tables: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

All values in ug/m³ obtained from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator from U.S. EPA Regional Screening Level (RSL) database of toxicity and chemical parameters.

Indoor air values from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator and Regional Screening Levels (RSL) and correspond to noncarcinogenic hazard index of 1 or a carcinogenic target risk level of 1x10E-6.

Residential vs. Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

RR-800 Table 6a - Default Attenuation Factors

Sub-Slab Vapor = 0.03 (Small Commercial & Residential)

TABLE A.4.V

Vapor Analytical Table - Upwind-Outdoor Air Former Bay Towel 501 S Adams Street, Green Bay, WI 54301 BRRTS# 02-05-237064

	Sample ID				_		24-hr Outdoor Air
S	ample Date				ıtia	tial	2/28/23
Samp		ALL.	4LL	ider	den	SW of 501 S. Washington	
Тур	e of Sample	_ [SMALL !SL	SMALL	Residential RSL	Residential	outdoor air
Collect	ion Method)ger	S ×	FS :	FS KR		Composite
Time Period o	f Collection	nogen Carcinogen	WDNR / WDHFS COMMERCIAL Subslab Vapor V	WDHF RCIAL ir VAL	/ WDHFS b Vapor V	WDHFS ir VAL	24-hour
Analyti	cal Method	arci Ion	/	∀ ■		∨ ∀	TO-15 chlorinated
Method/Result Lea	k Detection		WDNR / COMMI Subslab	WDNR. COMM Indoor	WDNR / Subslab	WDNR	shut-in/pass
		C-C N-N	WE CO Suk	WE CO	WD	pul JM	
Tetrachloroethene (PCE)	μg/m³	N	5,800	180	1,400	42	<1.36
Trichloroethene (TCE)	μg/m³	С	290	8.8	70	2.1	<1.07
cis-1,2 Dichloroethene	μg/m³	N	5,800	180	1,400	42.0	<0.793
trans-1,2 Dichloroethene	μg/m³	N	5,800	180	1,400	42	<0.793
Vinyl Chloride	μg/m³	С	930	28	56	1.7	<0.511

Notes:

N = Noncarcinogen; C = Carcinogen

ITALICS: Exceeds Subslab Vapor Standard

BOLD: Exceeds Indoor Air Standard

NA = Not Analyzed

NS = No Standards

VAL = Vapor Action Level (compared for indoor air concentrations)

VRSL = Vapor Risk Screening Levels (compared for sub-slab vapor concentrations)

AF (Attenuation Factor) = 0.03 for Residential and Small Commercial

Standards for VAL and VRSL from January 2023 WDNR RR-0136 based on November 2022 U.S. EPA Regional Screening Level (RSL) Tables: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

All values in ug/m³ obtained from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator from U.S. EPA Regional Screening Level (RSL) database of toxicity and chemical parameters.

Indoor air values from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator and Regional Screening Levels (RSL) and correspond to noncarcinogenic hazard index of 1 or a carcinogenic target risk level of 1x10E-6.

Residential vs. Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

RR-800 Table 6a - Default Attenuation Factors

Sub-Slab Vapor = 0.03 (Small Commercial & Residential)



Pace Analytical® ANALYTICAL REPORT

March 14, 2023

Fehr Graham

Sample Delivery Group: L1591959

Samples Received: 03/06/2023

Project Number: 21-1121 PH23

Description: BayTower

Report To: Dillon Plamann

909 North 8th Street

Suite 101

Sheboygan, WI 53081

Entire Report Reviewed By: Junifer McCurdy

Jennifer A McCurdy

Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Ss

Cn

Sr

[°]Qc

Gl

Αl

Sc

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
24-HR OUTDOOR AIR L1591959-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method TO-15	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9





















PAGE:

2 of 10

SAMPLE SUMMARY

24-HR OUTDOOR AIR L1591959-01 Air			Jenna Williams	03/01/23 09:01	03/06/23 10:1!	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2020743	1	03/10/23 23:16	03/10/23 23:16	DAH	Mt. Juliet, TN



















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

2₋

















Jennifer A McCurdy Project Manager

Jenrifer McCurdy

24-HR OUTDOOR AIR Collected date/time: 03/01/23 09:01

SAMPLE RESULTS - 01

L1591959

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2020743
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2020743
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2020743
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2020743
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2020743
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.2				WG2020743



















WG2020743

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591959-01

Method Blank (MB)

(MB) R3899619-3 03/10/23	3 09:27			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	97.7			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899619-1 03/10/2	23 08:08 • (LCSI	D) R3899619-	2 03/10/23 08:	48						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
cis-1,2-Dichloroethene	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
trans-1,2-Dichloroethene	3.75	3.74	3.68	99.7	98.1	70.0-130			1.62	25
Tetrachloroethylene	3.75	3.53	3.70	94.1	98.7	70.0-130			4.70	25
Trichloroethylene	3.75	3.57	3.68	95.2	98.1	70.0-130			3.03	25
Vinyl chloride	3.75	3.80	3.70	101	98.7	70.0-130			2.67	25
(S) 1,4-Bromofluorobenzene				100	99.2	60.0-140				









GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Abbreviations and	a Definitions
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama 40660	Nebraska	NE-OS-15-05
Alaska 17-026	Nevada	TN000032021-1
Arizona AZ0612	New Hampshire	2975
Arkansas 88-0469	New Jersey-NELAP	TN002
California 2932	New Mexico ¹	TN00003
Colorado TN00003	New York	11742
Connecticut PH-0197	North Carolina	Env375
Florida E87487	North Carolina 1	DW21704
Georgia NELAP	North Carolina ³	41
Georgia ¹ 923	North Dakota	R-140
ldaho TN00003	Ohio-VAP	CL0069
Illinois 200008	Oklahoma	9915
Indiana C-TN-01	Oregon	TN200002
lowa 364	Pennsylvania	68-02979
Kansas E-10277	Rhode Island	LAO00356
Kentucky ^{1 6} KY90010	South Carolina	84004002
Kentucky ² 16	South Dakota	n/a
ouisiana Al30792	Tennessee 1 4	2006
ouisiana LA018	Texas	T104704245-20-18
Maine TN00003	Texas ⁵	LAB0152
Maryland 324	Utah	TN000032021-11
Massachusetts M-TN003	Vermont	VT2006
Michigan 9958	Virginia	110033
Minnesota 047-999-395	Washington	C847
Mississippi TN00003	West Virginia	233
Missouri 340	Wisconsin	998093910
Montana CERT0086	Wyoming	A2LA
A2LA – ISO 17025 1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵ 1461.02	DOD	1461.01
Canada 1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Info	ormation:			_	Information:												57	26	3	Page:	of	. 1
Company:	Report To:	May	ma	ihh	Attention: Dillar Plamann									1				Progra	m		·		
address: 909 N 8th St, Site 101	Copy To:	iai	1)		Compar	ny Name: .	Fahr	CEW	aho	vi.					1	Γu	IST	Supe	rfund	Emiss	sions	Clean A	Air Act
Shehongan, WI 53081.	1	c. v		** * 33.00	Address	900	N	grus	7.5	nt:	110	1				□ Vol	untary	Clean l	Jp T [Ory Clear	☐ RCI	RA T	Other_
mail To: dola manne fely	Purchase Order No.:			-	Pace Q	uote Referei			-5/-						1	Locati	on of					ng Units	
hone: Fax: Jahren &	Project Name: Bu	Ther	ne1		Pace Pr	roject Manaç	jer/Sales R	Rep.					(1			State	W	1	PPBV _ Other _	mg/m³_ PPMV_	
Phone: Fax: Fax: Grant G	Project Number: 21				Pace Pr	rofile #:	1. 1,113	230.0	11			- 7.7.			1	Report	Level	11.	111.	IV.			
'Section D Required Client Information	Valid Media Codes	TION	-		COLL	ECTED	-	1 a B	- R	Т	West or the				_	Method		7	///	///	/3/	7	
AIR SAMPLE ID Sample IDs MUST BE UNIQUE	MEDIA CODE	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	,	СОМ	POSITE -	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)		Sum Ca Num	n		Flow Contro lumbe	i r		- /	IN TOP (%)	S Full Les	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Short Sellong		
		MED	吕	DATE	TIME	DATE	TIME	0 =			,					100		0/0	10/0	10/0	/	Pace La	ab ID
1 24- hr Outday Air		Nell	0	2/28/13	901	3/1/23	901	-27	-13	0	8	77	0	11	8				3	X		-01	1
2					-								141 5	1									1
3																							
4				0 5 6	2 11 20	1 2				1	1.0	erta er	14						1.44				
5		1				1							11					11				A.S.	***************************************
6		1	15.5	of the state of	1	161.		1		1			1		1	11	1		1				
		32.0	1		1	1	रते की जा र	Times the	Horio			-	+		1	1		++		-	- ,		
COC Seal Present/Intact:	Receipt Checkli	st						<u> </u>	<u> </u>	-					-	1			-				***************************************
Bottles arrive inte	Y N VOA Zer	f App]	licab Ispac	le	ıt						72-7		1-1		+			++					
Correct bottles was	Y N VOA Zer Y N Pres.Co	rrect/	Chec	k: 7	J	-				-		-			-		+	+-1					
Sufficient volume sent: RAD Screen <0.5 mR/hr:	Y_N						202		7 1916			_	\perp		-		-						-
11			_	r	4			-	10 000						ļ.,							-	
12									- A- F														
comments :	1	RELING	QUISH	HED BY / A	FFILIA	TION	DATE	TII	ИE	AC	CEPT	ED B	Y / AF	FILIATI	ON	300000000000000000000000000000000000000	ATE		TIME	SA	1	ONDITI	ONS
FEHGRASWI											1	1.	la	M		3/6	123	lox	5		×	×	×
				er.1 - 64	0.00		in out	Serve Si	19.7%	1 38		ale je i	1	10040	4. 3	1.04/47	4 . 170	1	in Paris		N X	N.	×
										Г			100	to a pro-		Aur.	: "	1/2/4	4 4.		N.	N.	×
					-1		-1							04 8							×	×	Z.
		15.00			V-1-1	SAMPLE	R NAME A	ND SIGI	NATURE											ပ			
						PRINT Name	of SAMPLER:	IA(i)	1/2 201	-						ALC: NO.	1200	Manual Services	N. T. T.	<u>.</u> ⊆	Received on Ice	Custody Sealed Cooler	Samples Intact
ORIGINA	AL.					SIGNATURE		1 0	10000	,			DATE	Signed (MI	M / DD	m 2				Temp	Rece	Cu	ampl
							1	1	V				U	3105	17	017							



Pace Analytical® ANALYTICAL REPORT

March 10, 2023

Fehr Graham

Sample Delivery Group: L1591961

Samples Received: 03/06/2023

Project Number: 21-1131 PH23

Description: BayTower

Report To: Dillon Plamann

909 North 8th Street

Suite 101

Sheboygan, WI 53081

Entire Report Reviewed By: Junifer McCurdy

Jennifer A McCurdy

Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com















TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
RESIDENCE 24-HR INDOOR AIR L1591961-01	5
RESIDENCE SSVS-1 (BASEMENT) L1591961-02	6
Qc: Quality Control Summary	7
Volatile Organic Compounds (MS) by Method TO-15	7
GI: Glossary of Terms	8
Al: Accreditations & Locations	9
Sc: Sample Chain of Custody	10



















SAMPLE SUMMARY

			Collected by	Collected date/time	Received date/time			
RESIDENCE 24-HR INDOOR AIR L1591961-01 Air			Jenna Williams	03/01/23 09:30	03/06/23 10:	15		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location		
Volatile Organic Compounds (MS) by Method TO-15	WG2019065	1	03/08/23 14:44	03/08/23 14:44	DAH	Mt. Juliet, TN		
RESIDENCE SSVS-1 (BASEMENT) L1591961-02 A	ir		Collected by Jenna Williams	Collected date/time 02/28/23 11:05	Received da 03/06/23 10:			
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location		
Volatile Organic Compounds (MS) by Method TO-15	WG2019065	1	03/08/23 15:12	03/08/23 15:12	DAH	Mt. Juliet, TN		



















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

















Jennifer A McCurdy Project Manager

Jenrifer McCurdy

DATE/TIME:

03/10/23 09:21

RESIDENCE 24-HR INDOOR AIR Collected date/time: 03/01/23 09:30

SAMPLE RESULTS - 01

L1591961

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2019065
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2019065
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2019065
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2019065
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2019065
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.8				WG2019065



















RESIDENCE SSVS-1 (BASEMENT) Collected date/time: 02/28/23 11:05

SAMPLE RESULTS - 02

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2019065
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2019065
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2019065
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2019065
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2019065
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2019065



















WG2019065

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591961-01,02

Method Blank (MB)

(MB) R3898767-3 03/08/2	23 09:35			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	96.8			60.0-140



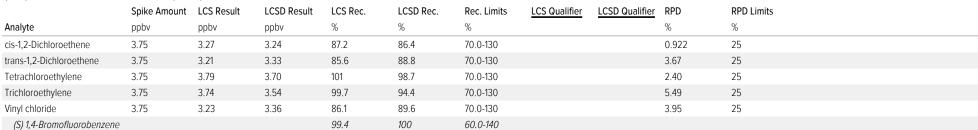






Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3898767-1	03/08/23 08:38 • (LCS	D) R3898767-2	03/08/23 09	9:07
	Spike Amount	LCS Result	LCSD Result	LCS I











PAGE:

7 of 11

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

¹Cp

2____

















 ACCOUNT:
 PROJECT:
 SDG:
 DATE/TIME:
 PAGE:

 Fehr Graham
 21-1131 PH23
 L1591961
 03/10/23 09:21
 8 of 11

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$



E036

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Section B Required Client Information: Required Project Inform							Section C Invoice Information:								57263 Page: of						1				
Compa	ny: Feny Graham	Report To:	Man (Ma	·~	ano	Attentio	" D1	Man	Mar	mar	21		-319	1.11 1.15	17		1 2 1	•	Pr	ogram	- 1 - 54	111.2		
Addres	s: 909 N. 8th St, svitciol	Copy To:	end	71)		Compar										Г	UST	T s	Superfu	nd T	Emissi	ons T	Clean A	ir Act
5	hiboragia WT C7091						Address: 909 N 2th ot, sute 101								T	Volunta	ary Cle	an Up	√ Dry	Clean	RCR	AT.	Other		
Email 1	hubogan, WI 57081	Purchase Order N	No.:			-	Pace Quote Reference:									100	ation	of				Reportin	g Units mg/m³		
Phone:	Fax:	Project Name:	Ban	say Torel			Pace Project Manager/Sales Rep.									npling		tate -	W	I		_ PPMV_	_		
Reque	Fax: The property of the pr	Project Number:		A	PŁ	123	Pace Pr	ofile #:	1, 3373	3.19.00	11.1-1					4 to 8	Rep	ort Le	vel I	l	111	IV	Other_		
	'Section D Required Client Information	Valid Media Codes	ODE	_	_	1 0	COLL	ECTED		e (6)	e 6	Т			T		Met	hod:	1	77	//	11	100/	/	
# 15	AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Tedlar Bag T 1 Liter Summa Can 6 6 Liter Summa Can 6 Low Volume Puff L High Volume Puff H	TB 1LC 6LC	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF		COMPOSITE - ENDIGRAB		Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Ž	Summa Can Number		Co	low ntrol mber	/						Ort Let (Other)		
ITEM				MED	- P	DATE	TIME	DATE	TIME	0 =	0 E			-			1 a	/si/	0/0	12/2	5/5/4	5/5/	0/	Pace La	b ID
1	Residence 24-hr Indo	or Air		-		2128 /23	930	3/1/13	930	-24	2	2	75	5	03	48	1	y , 1			X		-01		
2	Residence SSVS-20	basement) 4	عار	0	2/28/73	1035	2128/27	1105	-30	-8	3	60	3	20	184		-			X	1	16	L	
3																									
4						,					1.00	3,5		11/1	la l										
5						,		,											1					Aug 1	
6		**************************************	1			No. of the second																			
7				2																					
8		eipt Checkli	ist				No.	le i na	No.	harry t			y .												
a	COC Signed/Accurate:	N VOA Zer N Pres.Co	If Appl	icab Spac	ole ce:	Y N					7								I					***************************************	
10	Bottles arrive intact:	N Pres.Co N	orrect/	Chec	ck:	N	-							+-			T	1	T					/	
10	Sufficient volume sent: Y RAD Screen <0.5 mR/hr: Y	N					-		7,31,11	1 2 1 1	1.50			1-				. -			17.4		X		
10		Proper lands	1	1			-		2 197 7	227100			19114			1 3/17		7.			1 1				
12 Comm	ents ·		REI	INOL	IISH	HED BY / A	FEILIA	ION	DATE	TIN	ЛE	ACC	CEPT	ED BY	/ AFFI	LIATION		DATE		TI	ME	SA	APLE C	ONDITIO	ONS
0011111							STEP BES		Bank State	EGRECA	Marine .		1	No. of Lot,		ulk	2	16/		101		-	N.	××××××××××××××××××××××××××××××××××××××	N.
	FEHGRASWI					1 1	in mark		1	1 . 6					700	2010	10	Last	(1)		<u> </u>		X X	N/A	X X
							OUTER		1387 5 74	36.750 M		\$ 78		da 15 C		7 K A		34. 2 .	1841	11 93			Y N	Y/N Y	N.
			-							-		\vdash			7 2/1/10		1311		-	-			X X	N/Y	
			. : لــــــ	• 4,7 ,														ON STATE				1			× ×
									R NAME A	ACCEPTAN		RC-3	501			Kein				- 57A.		i c	ed or	coole	s Inta
	ORIGINAL								of SAMPLER:	90	nna!	M	111	IM	→ J	ned (MM/DI	2/YY)	-				Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
										mh	1	03(0)			01/12023			Œ	Š	Sal					
									1							•									



Understanding Chemical Vapor Intrusion Testing Results

RR-977 October 2014

From the Lab to You

Chemical vapor samples were taken from underneath your house or building and possibly indoors as well. These samples have been tested by a certified laboratory and a report was issued. The Wisconsin Department of Natural Resources (DNR) uses these test results to determine if people in the building are being exposed to chemical vapors coming from nearby contaminated soil or groundwater, and to decide what, if any, action is needed to prevent this exposure.

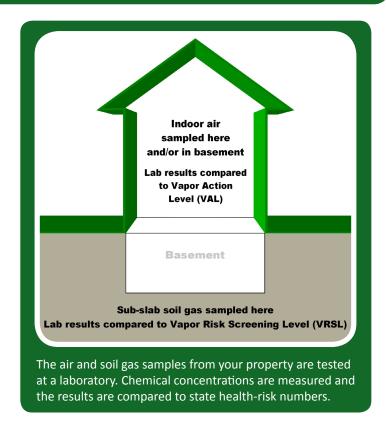
Indoor Air Testing Results

If indoor air samples were collected in your house or building, test results from the lab will be compared to the state Vapor Action Level (VAL) for chemicals of concern. The VAL is a chemical compound's numerical value that represents a health hazard risk to no more than 1 in 100,000 people during a lifetime of exposure. If test results show chemical concentrations in your air below the VAL then adverse health effects are extremely rare, even if you were to breathe the chemical at this concentration for your entire life.

Test results showing chemical concentrations in the air at or above the VAL prompt DNR to recommend that exposure to these chemical vapors be reduced. If test results show concentrations significantly above the VAL, or more than one type of chemical vapor is identified in your indoor air, the risk from exposure increases. If the concentration of any indoor chemical vapor greatly exceeds the VAL, DNR is concerned about even short-term exposure and will typically require immediate action to address the problem.

The VAL for each chemical is set by scientific research. It is protective of all people, including those who are most susceptible to adverse health effects.

If test results identify chemicals in your air that are not present in nearby soil or groundwater contamination, it is likely that these vapors are coming from some product or activity in or near your house or building. Many everyday consumer products (e.g., cleaners, solvents, polish, adhesives, lubricants, aerosols, insect repellants, etc.); combustion processes (e.g., smoking, home heating); fuels in attached garages; dry cleaned clothing or draperies; and occupant activities (e.g., craft hobbies), also release chemical vapors into the air.



Sub-slab Soil Gas Testing Results

Soil gas samples were collected from the ground beneath the concrete slab of your building foundation or basement. The lab measured the concentrations of various chemicals in these samples. DNR compares these measurements to the state Vapor Risk Screening Level (VRSL), which identifies the concentration of a chemical in soil gas that scientific research suggests can be a health risk if vapor enters a building. If soil gas measurements exceed the VRSL for a chemical of concern, action to reduce exposure is strongly recommended.

The VRSL is a higher number (higher chemical concentration) than the VAL because it is presumed that concrete building foundations and basement walls will prevent most soil gas from entering a building. Further, any soil gas that does enter a building through cracks, holes, sump pumps, drains, etc., will be diluted to some extent by the indoor air. So, people inside will not be breathing air that includes the full concentration of chemical vapors that exist in the ground.





DNR generally relies on the test results of the sub-slab soil gas samples when determining what, if any, action should be taken related to chemical vapors coming from nearby soil or groundwater contamination. Indoor air quality is highly variable, and it is difficult to make a definitive decision about vapor intrusion based on indoor air sampling alone.

Follow-Up Actions

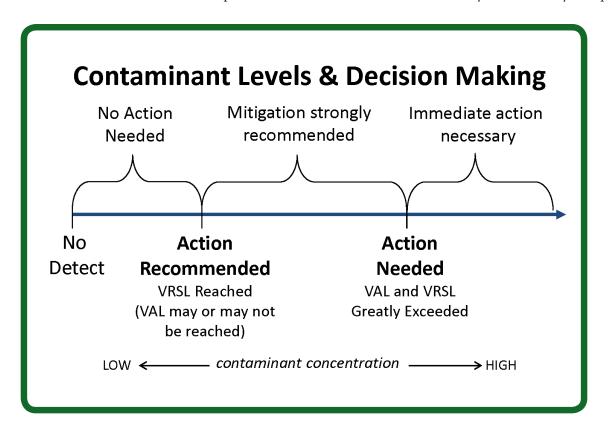
If your test results are less than a VAL for indoor air, or a VRSL for sub-slab soil gas, then the air in the house or building should not present a health concern. Follow-up sampling and testing may be necessary to confirm the results, but no other action is typically suggested.

When test results show soil gas chemical concentrations above a VRSL, both DNR and the Wisconsin Department of

Health Services recommend that owners take action to reduce potential exposure. This typically involves installing a vapor mitigation system that vents chemical vapors from beneath your home or building to the outdoors, similar to a radon mitigation system.

If indoor air concentrations exceed a VAL, but sub-slab concentrations are less than a VRSL, then the chemical vapors are most likely coming from indoor sources. Steps should be taken by the house or building owner to identify the products and practices causing the problem and implement appropriate remedies.

If soil gas mitigation is recommended, a representative of the party who is responsible for the soil or groundwater contamination will contact you to discuss your options.



<u>A Note about Measurement Units:</u> The lab report may include some unfamiliar technical language. The most important point to note is whether or not the test result for a specific chemical exceeds a VAL or VRSL, which are also sometimes referred to, generically, as "screening levels."

The concentration of gaseous pollutants in air is typically described in two different ways: 1) as units of mass per volume, where $\mu g/m3$ represents micrograms of gaseous pollutant per cubic meter of ambient air; and 2) as parts per billion by volume (ppbv), where the volume of a gaseous pollutant is compared to a set volume of ambient air. These are the numbers that are compared to the VAL and VRSL.

For more information, visit dnr.wi.gov/topic/Brownfields/Vapor.html

This document contains information about certain state statutes and administrative rules but does not necessarily include all of the details found in the statutes and rules. Readers should consult the actual language of the statutes and rules to answer specific questions. The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of Interior, Washington, D.C. 20240. This publication is available in alternative format upon request. Please call 608-267-3543 for more information.

From: Jenna Williams < jwilliams@fehrgraham.com>

Sent: Friday, March 17, 2023 12:19 PM

To: Robert Goplin

Cc: Schultz, Josie M - DNR; Jbutz@baytowel.com; dongallolaw@outlook.com;

Jeanne Tarvin; nreid@resolutemgmt.com; sroalsvik@resolutemgmt.com;

Dillon Plamann; Kendyl Hoss

Subject: Vapor Sampling Results - 501 S. Washington Street, Green Bay (Fire Dept) **Attachments:** 21-1121 - Bay Towel 2023-03-16- Sampling Feb 2023 - 501 S Wash Street.pdf

CAUTION: This email originated from outside the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

Greetings,

We have received the results of the vapor sampling conducted at your site, located at 501 S. Washington Street, Green Bay and sampled on February 28 and March 1, 2023. Please find attached the laboratory analytical results for your site, along with a letter which provides information on the results.

Please let us know if there are any questions.

Thank you, Jenna



JENNA WILLIAMS | EHS Specialist Fehr Graham | Engineering & Environmental

909 North 8th Street, Suite 101 Sheboygan, Wisconsin 53081 P: 920.453.0700 C: 920.858.0617 fehrgraham.com



March 16, 2023

Mr. Robert Goplin Submitted via email only to: robertgo@greenbaywi.gov City of Green Bay Fire Station 1 100 N. Jefferson Street Green Bay, WI 54301

RE: Vapor Sampling Results February 2023 for 501 S. Washington Street, Green Bay, WI Former Bay Towel Site 501 S. Adams Street Green Bay, WI BRRTS # 02-05-237064

Dear Mr. Goplin:

Fehr Graham, on behalf of Bay Towel, has completed additional site investigation activities for the former Bay Towel site located at 501 South Adams Street, Green Bay, WI 54301 (BRRTS #02-05-237064). The following site investigation activities have been completed on the City of Green Bay Fire Station 1 property located at 501 S. Washington Street:

- » Two (2) sub-slab vapor ports were installed and sampled to analyze the vapor chemistry below the property building. The first of up to two (2) sub-slab vapor sampling events was completed.
- » One (1) indoor air vapor sample was collected to analyze the vapor chemistry within the property building. The first of up to two (2) indoor air vapor sampling events was completed.
- One (1) outdoor ambient air vapor sample was collected for quality control purposes to analyze the upwind vapor chemistry outside the property building.
- » All vapor samples were submitted for laboratory analysis of Chlorinated Volatile Organic Compounds (CVOCs) that are associated with drycleaning solvents: tetrachloroethylene, trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, and vinyl chloride.

CVOC compounds were detected in vapors at your property. However, based on vapor laboratory analytical results, none of these detections exceed the Residential Sub-Slab and Indoor Air standards established by the Wisconsin Department and Natural Resources (DNR) and the Wisconsin Department of Health Services. The vapor results are summarized and compared to relevant standards in attached Table A.4.ii. The laboratory analytical reports for the vapor samples are also included as attachments.

The next step is to complete a second round of vapor testing at the property building to confirm the results of the first round of vapor testing and that there is not a health concern in the property building in regards to vapor intrusion from the Bay Towel site.

March 16, 2023 Sampling Results Letter Page 2

A full summary of all site investigation results will be submitted to the DNR in the near future in a Site Investigation Report. Please refer to the attached DNR fact sheet RR-977 for additional explanation of the vapor results at your property.

Thank you for your cooperation on this investigation, and please share these results with all property building occupants. If you have any questions, please feel free to contact the WDNR Project Manager for the Bay Towel Site, Ms. Josie Schultz (josie.schultz@wisconsin.gov or 920.366.5685), or contact me at dplamann@fehrgraham.com or 920.946.2407.

Sincerely,

Dillon Plamann, PG Project Hydrogeologist

Attachments: Table A.4.ii: Vapor Analytical Table – 501 S. Washington Street

Table A.4.v: Vapor Analytical Table – Upwind-Outdoor Air

Laboratory Analytical Reports

RR-977: Understanding Chemical Vapor Intrusion Testing Results

Cc: Ms. Josie Schultz, WDNR, via email only to josie.schultz@wisconsin.gov

Mr. Don Gallo, Gallo Law, LLC, via email only to dongallolaw@outlook.com

Mr. John Butz, Bay Towel, via email only to jbutz@baytowel.com

TABLE A.4.II

Vapor Analytical Table - 501 S. Washington Street Former Bay Towel 501 S Adams Street, Green Bay, WI 54301 BRRTS# 02-05-237064

	Sample ID				Fire Department 24-hr Indoor Air	Fire Department SSVS-1	Fire Department SSVS-2
	Sample Date		ntial	ential	3/1/23	2/28/23	2/28/23
Sa	mple Location		l ā	den	basement/boiler room	basement/boiler room	cleaner storage room/garage
Т	ype of Sample	ا _ ا	Resid i RSL	Resid	indoor air	sub-slab	sub-slab
Colle	ction Method	ogen	· · · · ·	S:	Composite	Grab	Grab
Time Period	d of Collection	l ii e	WDHF9 Vapor \	/DHF	24-hour	30-min	30-min
Analytical Metho			/ w / v	≱ir ∑	TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated
Method/Result L	eak Detection	Carci Non	WDNR Subslal	WDNR	shut-in/pass	water/pass	water/pass
		- - - - - - - - - - - - - - - - - - -	WDI	WD			
Tetrachloroethene (PCE)	μg/m³	N	1,400	42	<1.36	<1.36	2.32
Trichloroethene (TCE)	μg/m³	С	70	2.1	<1.07	<1.07	<1.07
cis-1,2 Dichloroethene	μg/m³	N	1,400	42.0	<0.793	<0.793	<0.793
trans-1,2 Dichloroethene	μg/m³	N	1,400	42	<0.793	<0.793	<0.793
Vinyl Chloride	μg/m³	С	56	1.7	<0.511	<0.511	<0.511

Notes:

N = Noncarcinogen; C = Carcinogen

ITALICS: Exceeds Subslab Vapor Standard

BOLD: Exceeds Indoor Air Standard

NA = Not Analyzed

NS = No Standards

VAL = Vapor Action Level (compared for indoor air concentrations)

VRSL = Vapor Risk Screening Levels (compared for sub-slab vapor concentrations)

AF (Attenuation Factor) = 0.03 for Residential and Small Commercial

Standards for VAL and VRSL from January 2023 WDNR RR-0136 based on November 2022 U.S. EPA Regional Screening Level (RSL) Tables: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

All values in ug/m³ obtained from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator from U.S. EPA Regional Screening Level (RSL) database of toxicity and chemical parameters.

Indoor air values from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator and Regional Screening Levels (RSL) and correspond to noncarcinogenic hazard index of 1 or a carcinogenic target risk level of 1x10E-6.

Residential vs. Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

RR-800 Table 6a - Default Attenuation Factors

Sub-Slab Vapor = 0.03 (Small Commercial & Residential)

TABLE A.4.V

Vapor Analytical Table - Upwind-Outdoor Air Former Bay Towel 501 S Adams Street, Green Bay, WI 54301 BRRTS# 02-05-237064

	Sample ID				_		24-hr Outdoor Air
S	ample Date				ıtia	tial	2/28/23
Samp	ole Location		ALL.	ALL	FS Residential VRSL	den	SW of 501 S. Washington
Тур	e of Sample	_ [SMALL !SL	SMALL		Residential	outdoor air
Collect	ion Method)ger	S ×	FS :			Composite
Time Period o	f Collection	nogen Carcinogen	WDNR / WDHFS COMMERCIAL Subslab Vapor V	WDNR / WDHF C OMMERCIAL Indoor Air VAL	WDHFS Vapor V	WDHFS ir VAL	24-hour
Analyti	Analytical Method					∨ ∀	TO-15 chlorinated
Method/Result Lea	k Detection		WDNR / COMMI Subslab	WDNR. COMM Indoor	WDNR / Subslab	WDNR	shut-in/pass
		C-C N-N	WE CO Suk	WE CO	WE	pul JM	
Tetrachloroethene (PCE)	μg/m³	N	5,800	180	1,400	42	<1.36
Trichloroethene (TCE)	μg/m³	С	290	8.8	70	2.1	<1.07
cis-1,2 Dichloroethene	μg/m³	N	5,800	180	1,400	42.0	<0.793
trans-1,2 Dichloroethene	μg/m³	N	5,800	180	1,400	42	<0.793
Vinyl Chloride	μg/m³	С	930	28	56	1.7	<0.511

Notes:

N = Noncarcinogen; C = Carcinogen

ITALICS: Exceeds Subslab Vapor Standard

BOLD: Exceeds Indoor Air Standard

NA = Not Analyzed

NS = No Standards

VAL = Vapor Action Level (compared for indoor air concentrations)

VRSL = Vapor Risk Screening Levels (compared for sub-slab vapor concentrations)

AF (Attenuation Factor) = 0.03 for Residential and Small Commercial

Standards for VAL and VRSL from January 2023 WDNR RR-0136 based on November 2022 U.S. EPA Regional Screening Level (RSL) Tables: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

All values in ug/m³ obtained from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator from U.S. EPA Regional Screening Level (RSL) database of toxicity and chemical parameters.

Indoor air values from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator and Regional Screening Levels (RSL) and correspond to noncarcinogenic hazard index of 1 or a carcinogenic target risk level of 1x10E-6.

Residential vs. Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

RR-800 Table 6a - Default Attenuation Factors

Sub-Slab Vapor = 0.03 (Small Commercial & Residential)



Pace Analytical® ANALYTICAL REPORT

March 14, 2023

Fehr Graham

Sample Delivery Group: L1591959

Samples Received: 03/06/2023

Project Number: 21-1121 PH23

Description: BayTower

Report To: Dillon Plamann

909 North 8th Street

Suite 101

Sheboygan, WI 53081

Entire Report Reviewed By: Junifer McCurdy

Jennifer A McCurdy

Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Ss

Cn

Sr

[°]Qc

Gl

Αl

Sc

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
24-HR OUTDOOR AIR L1591959-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method TO-15	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9





















PAGE:

2 of 10

SAMPLE SUMMARY

24-HR OUTDOOR AIR L1591959-01 Air			Jenna Williams	03/01/23 09:01	03/06/23 10:1!	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2020743	1	03/10/23 23:16	03/10/23 23:16	DAH	Mt. Juliet, TN



















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

2₋

















Jennifer A McCurdy Project Manager

Jenrifer McCurdy

24-HR OUTDOOR AIR Collected date/time: 03/01/23 09:01

SAMPLE RESULTS - 01

L1591959

Volatile Organic Compounds (MS) by Method TO-15

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2020743
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2020743
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2020743
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2020743
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2020743
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.2				WG2020743



















WG2020743

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591959-01

Method Blank (MB)

(MB) R3899619-3 03/10/23	3 09:27			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	97.7			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899619-1 03/10/2	23 08:08 • (LCSI	D) R3899619-	2 03/10/23 08:	48						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
cis-1,2-Dichloroethene	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25
trans-1,2-Dichloroethene	3.75	3.74	3.68	99.7	98.1	70.0-130			1.62	25
Tetrachloroethylene	3.75	3.53	3.70	94.1	98.7	70.0-130			4.70	25
Trichloroethylene	3.75	3.57	3.68	95.2	98.1	70.0-130			3.03	25
Vinyl chloride	3.75	3.80	3.70	101	98.7	70.0-130			2.67	25
(S) 1,4-Bromofluorobenzene				100	99.2	60.0-140				









GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Abbreviations and	a Definitions
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama 40660	Nebraska	NE-OS-15-05
Alaska 17-026	Nevada	TN000032021-1
Arizona AZ0612	New Hampshire	2975
Arkansas 88-0469	New Jersey-NELAP	TN002
California 2932	New Mexico ¹	TN00003
Colorado TN00003	New York	11742
Connecticut PH-0197	North Carolina	Env375
Florida E87487	North Carolina 1	DW21704
Georgia NELAP	North Carolina ³	41
Georgia ¹ 923	North Dakota	R-140
ldaho TN00003	Ohio-VAP	CL0069
Illinois 200008	Oklahoma	9915
Indiana C-TN-01	Oregon	TN200002
lowa 364	Pennsylvania	68-02979
Kansas E-10277	Rhode Island	LAO00356
Kentucky ^{1 6} KY90010	South Carolina	84004002
Kentucky ² 16	South Dakota	n/a
ouisiana Al30792	Tennessee 1 4	2006
ouisiana LA018	Texas	T104704245-20-18
Maine TN00003	Texas ⁵	LAB0152
Maryland 324	Utah	TN000032021-11
Massachusetts M-TN003	Vermont	VT2006
Michigan 9958	Virginia	110033
Minnesota 047-999-395	Washington	C847
Mississippi TN00003	West Virginia	233
Missouri 340	Wisconsin	998093910
Montana CERT0086	Wyoming	A2LA
A2LA – ISO 17025 1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵ 1461.02	DOD	1461.01
Canada 1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Section B Required Client Information: Required Project Information:					Section C Invoice Information:											57	26	3	Page:	of	. 1		
Company:	Report To:	May	ma	ihh	Attention: Dillar Plamann								Program										
address: 909 N 8th St, Site 101	Copy To:	iai	1)		Compar	ny Name: .	Fahr	CEW	aho	vi.					1	Γu	IST	Supe	rfund	Emiss	sions	Clean A	Air Act
Shehongan, WI 53081.	1	c. v		** * 33.00	Address	900	N	grus	7.5	nt:	110	1	· · · · · ·			Voluntary Clean Up T Dry Clean T RCRA T Other_							
mail To: dola manne fely	Purchase Order No.:			-	Pace Q	uote Referei			-5/-						1	Locati	on of					ng Units	
hone: Fax: Jahren &	Project Name: Bu	Ther	ne1		Pace Pr	roject Manaç	jer/Sales R	Rep.					(1			State	W	1	PPBV _ Other _	mg/m³_ PPMV_	
Phone: Fax: Fax: Grant G	Project Number: 21				Pace Pr	rofile #:	1. 1,113	230.0	11			- 7.7.			1	Report	Level	11.	111.	IV.			
'Section D Required Client Information	Valid Media Codes	TION	-		COLL	ECTED	-	1 a B	- R	Т	West or the				_	Method		7	///	///	/3/	7	
AIR SAMPLE ID Sample IDs MUST BE UNIQUE	MEDIA CODE	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	,	Сом	POSITE -	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)		Sum Ca Num	n		Flow Contro lumbe	i r		- /	IN TOP (%)	S Full Les	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Short Sellong		
		MED	吕	DATE	TIME	DATE	TIME	0 =			,					100		0/0	10/0	10/0	/	Pace La	ab ID
1 24- hr Outday Air		Nell	0	2/28/13	901	3/1/23	901	-27	-13	0	8	77	0	11	8				3	X		-01	1
2					-								141 5	1									
3																							
4				0 7 6	2 11 20	1 2				1	1.0	erta er	14						1.44				
5		1				1							11					11				A.S.	***************************************
6		1	15.5	of the state of	1	161.		1		1			1		1	11	1		1				
		32.0	1		1	1	रते की जा र	Times the	Horis			-	+		1	1	++	++		-	- ,		
COC Seal Present/Intact:	Receipt Checkli	st						<u> </u>	<u> </u>	-					-	1			-				***************************************
Bottles arrive inte	Y N VOA Zer	f App]	licab Ispac	le	ıt						72-7		1-1		+			++					
Correct bottles was	Y N VOA Zer Y N Pres.Co	rrect/	Chec	k: 7	J	-				-		-			-		+	+-1					
Sufficient volume sent: RAD Screen <0.5 mR/hr:	Y_N						202		7 1916			_	\perp		-		-						-
11			_	r	4			-	10 000						ļ.,							-	
12									- A- F														
comments :	1	RELING	QUISH	HED BY / A	FFILIA	TION	DATE	TII	ИE	AC	CEPT	ED B	Y / AF	FILIATI	ON	300000000000000000000000000000000000000	ATE		TIME	SA	1	ONDITI	ONS
FEHGRASWI											1	1.	la	M		3/6	123	lok	5		×	×	×
				er.1 - 64	0.00		in out	Serve Si	19.7%	1 38		ale je i	1	10042	4. 3	1.04/47	4 . 170	1	in Paris		N X	N.	×
										Г			100	to a pro-		Aur.	:	1/2/4	4 4.		N.	N.	×
					-1		-1							04 8							×	×	Z.
		15.00			V-1-1	SAMPLE	R NAME A	ND SIGI	NATURE											ပ			
						PRINT Name	of SAMPLER:	IA(i)	1/2 201	-						ALC: NO.	1200	Manual Services	N. T. T.	<u>.</u> ⊆	Received on Ice	Custody Sealed Cooler	Samples Intact
ORIGINA	AL.					SIGNATURE		1 4 1 1	10000	,			DATE	Signed (MI	M / DD	m 2				Temp	Rece	Cu	ampl
							1	1	V				U	3105	17	017							



Pace Analytical® ANALYTICAL REPORT

March 15, 2023

Fehr Graham

Sample Delivery Group: L1591965

Samples Received: 03/07/2023

Project Number: 21-1121 PH23

Description: **Bay Tower**

Report To: Dillon Plamann

909 North 8th Street

Suite 101

Sheboygan, WI 53081

Entire Report Reviewed By: Junifer McCurdy

Jennifer A McCurdy

Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

















TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
FIRE DEPT. 24-HR INDOOR AIR L1591965-01	5
FIRE DEPT. SSVS-1(BASEMENT) L1591965-02	6
FIRE DEPT. SSVS-2(GARAGE) L1591965-03	7
Qc: Quality Control Summary	8
Volatile Organic Compounds (MS) by Method TO-15	8
GI: Glossary of Terms	9
Al: Accreditations & Locations	10
Sc: Sample Chain of Custody	11



















PAGE:

2 of 11

SAMPLE SUMMARY

			Collected by	Collected date/time	Received da	te/time
FIRE DEPT. 24-HR INDOOR AIR L1591965-01 Air			Jenna Williams	03/01/23 09:13	03/07/23 10:	15
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2021781	1	03/12/23 16:38	03/12/23 16:38	CEP	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
FIRE DEPT. SSVS-1(BASEMENT) L1591965-02 Air			Jenna Williams	02/28/23 12:07	03/07/23 10:	15
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2021781	1	03/12/23 17:08	03/12/23 17:08	CEP	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
FIRE DEPT. SSVS-2(GARAGE) L1591965-03 Air			Jenna Williams	02/28/23 12:35	03/07/23 10:	15
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2021781	1	03/12/23 17:38	03/12/23 17:38	CEP	Mt. Juliet, TN



















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jenrifer McCurdy

Jennifer A McCurdy Project Manager ¹Cp

















DATE/TIME:

03/15/23 09:39

FIRE DEPT. 24-HR INDOOR AIR Collected date/time: 03/01/23 09:13

SAMPLE RESULTS - 01

L1591965

	CAS#	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2021781
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2021781
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2021781
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2021781
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2021781
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2021781



















FIRE DEPT. SSVS-1(BASEMENT)
Collected date/time: 02/28/23 12:07

SAMPLE RESULTS - 02

L1591965

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2021781
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2021781
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2021781
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2021781
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2021781
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2021781



















FIRE DEPT. SSVS-2(GARAGE)
Collected date/time: 02/28/23 12:35

SAMPLE RESULTS - 03

L1591965

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2021781
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2021781
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.341	2.32		1	WG2021781
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2021781
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2021781
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2021781



















WG2021781

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591965-01,02,03

Method Blank (MB)

(MB) R3900699-2 03/12/2	23 10:01			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	91.8			60.0-140

5 Cr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3900699-1	03/12/23 09:23 •	(LCSD) R3900699-3	03/12/23 10:55

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
cis-1,2-Dichloroethene	3.75	3.96	3.82	106	102	70.0-130			3.60	25
trans-1,2-Dichloroethene	3.75	3.77	3.56	101	94.9	70.0-130			5.73	25
Tetrachloroethylene	3.75	4.20	3.79	112	101	70.0-130			10.3	25
Trichloroethylene	3.75	3.96	3.83	106	102	70.0-130			3.34	25
Vinyl chloride	3.75	3.62	3.40	96.5	90.7	70.0-130			6.27	25
(S) 1,4-Bromofluorobenzene				97.6	97.0	60.0-140				







GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Abbreviations and	a Definitions
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



AIR: CHAIN-OF-CUSTODY / Analytical

E037

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Inform	mation:			Sectio	n C Information										-	5	726	33	Page:	of	qi .
Company: Fily flynhan	Report To:	21/41	AAA	10.10	Attentio	n: Dal	10 1	Mar	mai			101300	PIL E	10071		TAGE OF		Progra	am	1011231		
Address: agg N. 8th St., Suffciol	Copy To: (Lu				Compar	ny Name:	oa n	[1]	010	~~					F	UST F		-	92,013	sions T	Clean 4	ir Act
Shehoygun, WI 53081				1	Address	: 9	OUN	1, 9t	ma		Cii	101	0)							n F RCF		
dolamahua Coladalum	Purchase Order No.:				Pace Q	uote Refere	nce:	-	37)	200	161	O.C.							The second second	ng Units	Julio1
Phone: Fax: Fax: Requested Due Date/TAT:	Project Name: Da	1-16	25.	el	Pace Pr	oject Mana	ger/Sales R	ep.					1			ation of apling by		V	VI	ug/m³ PPBV _	mg/m³_ PPMV_	
Requested Due Date/TAT:	Project Number: 21-				Pace Pr	ofile #:	TO THE	2.1.1.2	E 14			100	Ulsa	3.12.0		ort Leve			IV	Other_	4	
'Section D Required Client Information	Valid Media Codes MEDIA CODE	П	(Klr		COLL	ECTED		0 8	0.3						Meth		//	//	///	/ 8/	7	
AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client or	COMPOSITE STAF		COM	POSITE - OGRAB	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)		Sumr Car lumb	1	C	Flow ontrol umber		TOS FINE GO	0.34 (%)	0.15 Full (70.15 Short List 10Cs	Short List Chloring		
1 Five Dept. 24-hr Inde	n Ail	66	0	2/28/23		3/1/23			-6	2	40	0	16	160		3/4/	K/K/	12/2	X		Pace La	b ID
2 Fix Dept. COVC-1 (hase (ment)	1	28	1			31207	-	-7		5 2		The second second	000					X		01	
2 FireDept. SSVS-1 (3 FreDept. SSVS-2 (galage)	1	28 PP6 PP6	1	1205				-85			_		950	-				X	-(03	
4	Just	-	110		100	-	/3	1	25	1	Q V	7		10					/~))	
5																				,	2	
6		5.3		14.420	D. 18. E.		1 11010	7.30 0.1	250.48				100									
7		Titte		A 100 TO TO	11111	110000	at Bur	11-170	oris						++							
8																						
9		20.5		7333233733				GOS D	1 /	23.2	800	0 00										
10								13.77								100						
11	3/2	Jan Co	1863	GREATON	diction	-7.1-100	001,00	6 10 3	VILETE	90								194 204				
12					16:	Interior	2 UP 1	(2001)	10.1998		100	33 0		10								
Comments :	RE	LINO	LIISH	HED BY / A	FEILIAT	ION	DATE	TIA	AE.	ACC	EDT	D BV	/ ^ = =	ILIATION		ATE						
					TILIMI	1014	DAIL			ACC	,CFI	DOI	/ AFF	TLIATION		DATE		TIME	SA	MPLE C	-	
FEHGRASM												,	1	-					-	2	N X	Z .
				18/2/2/16	05309			KCS1		238	51112	/	1	1974 0	8 19/18	1 . 2-	0 100	1	-	Z	N/	N X
	-				•							Ah	1000		3/	6-23	/	0/5		N X	N/	X X
	L				9		-					1	-			-				N X	X X	X X
						PRINT Name	R NAME AN	ND SIGN	IATURE	-			X 15						ii °	uo pe	Custody Sealed Cooler	Intact
ORIGINA	L					SIGNATURE	WSAMPLER:	NI	1116	-)			DATES	igned (MM/D	0/1				Tempi	Received of Ice	Custo	nples
							m	AA	10	~			0	3/01	120	13			F	, a	Sea	Sample
							1	101	J					1	1							



Understanding Chemical Vapor Intrusion Testing Results

RR-977 October 2014

From the Lab to You

Chemical vapor samples were taken from underneath your house or building and possibly indoors as well. These samples have been tested by a certified laboratory and a report was issued. The Wisconsin Department of Natural Resources (DNR) uses these test results to determine if people in the building are being exposed to chemical vapors coming from nearby contaminated soil or groundwater, and to decide what, if any, action is needed to prevent this exposure.

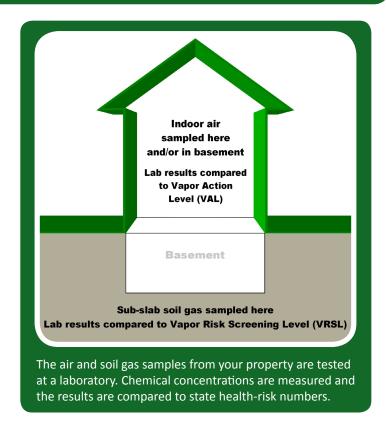
Indoor Air Testing Results

If indoor air samples were collected in your house or building, test results from the lab will be compared to the state Vapor Action Level (VAL) for chemicals of concern. The VAL is a chemical compound's numerical value that represents a health hazard risk to no more than 1 in 100,000 people during a lifetime of exposure. If test results show chemical concentrations in your air below the VAL then adverse health effects are extremely rare, even if you were to breathe the chemical at this concentration for your entire life.

Test results showing chemical concentrations in the air at or above the VAL prompt DNR to recommend that exposure to these chemical vapors be reduced. If test results show concentrations significantly above the VAL, or more than one type of chemical vapor is identified in your indoor air, the risk from exposure increases. If the concentration of any indoor chemical vapor greatly exceeds the VAL, DNR is concerned about even short-term exposure and will typically require immediate action to address the problem.

The VAL for each chemical is set by scientific research. It is protective of all people, including those who are most susceptible to adverse health effects.

If test results identify chemicals in your air that are not present in nearby soil or groundwater contamination, it is likely that these vapors are coming from some product or activity in or near your house or building. Many everyday consumer products (e.g., cleaners, solvents, polish, adhesives, lubricants, aerosols, insect repellants, etc.); combustion processes (e.g., smoking, home heating); fuels in attached garages; dry cleaned clothing or draperies; and occupant activities (e.g., craft hobbies), also release chemical vapors into the air.



Sub-slab Soil Gas Testing Results

Soil gas samples were collected from the ground beneath the concrete slab of your building foundation or basement. The lab measured the concentrations of various chemicals in these samples. DNR compares these measurements to the state Vapor Risk Screening Level (VRSL), which identifies the concentration of a chemical in soil gas that scientific research suggests can be a health risk if vapor enters a building. If soil gas measurements exceed the VRSL for a chemical of concern, action to reduce exposure is strongly recommended.

The VRSL is a higher number (higher chemical concentration) than the VAL because it is presumed that concrete building foundations and basement walls will prevent most soil gas from entering a building. Further, any soil gas that does enter a building through cracks, holes, sump pumps, drains, etc., will be diluted to some extent by the indoor air. So, people inside will not be breathing air that includes the full concentration of chemical vapors that exist in the ground.





DNR generally relies on the test results of the sub-slab soil gas samples when determining what, if any, action should be taken related to chemical vapors coming from nearby soil or groundwater contamination. Indoor air quality is highly variable, and it is difficult to make a definitive decision about vapor intrusion based on indoor air sampling alone.

Follow-Up Actions

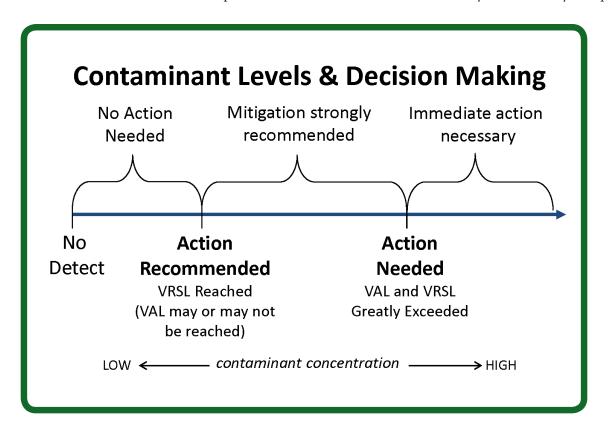
If your test results are less than a VAL for indoor air, or a VRSL for sub-slab soil gas, then the air in the house or building should not present a health concern. Follow-up sampling and testing may be necessary to confirm the results, but no other action is typically suggested.

When test results show soil gas chemical concentrations above a VRSL, both DNR and the Wisconsin Department of

Health Services recommend that owners take action to reduce potential exposure. This typically involves installing a vapor mitigation system that vents chemical vapors from beneath your home or building to the outdoors, similar to a radon mitigation system.

If indoor air concentrations exceed a VAL, but sub-slab concentrations are less than a VRSL, then the chemical vapors are most likely coming from indoor sources. Steps should be taken by the house or building owner to identify the products and practices causing the problem and implement appropriate remedies.

If soil gas mitigation is recommended, a representative of the party who is responsible for the soil or groundwater contamination will contact you to discuss your options.



<u>A Note about Measurement Units:</u> The lab report may include some unfamiliar technical language. The most important point to note is whether or not the test result for a specific chemical exceeds a VAL or VRSL, which are also sometimes referred to, generically, as "screening levels."

The concentration of gaseous pollutants in air is typically described in two different ways: 1) as units of mass per volume, where $\mu g/m3$ represents micrograms of gaseous pollutant per cubic meter of ambient air; and 2) as parts per billion by volume (ppbv), where the volume of a gaseous pollutant is compared to a set volume of ambient air. These are the numbers that are compared to the VAL and VRSL.

For more information, visit dnr.wi.gov/topic/Brownfields/Vapor.html

This document contains information about certain state statutes and administrative rules but does not necessarily include all of the details found in the statutes and rules. Readers should consult the actual language of the statutes and rules to answer specific questions. The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of Interior, Washington, D.C. 20240. This publication is available in alternative format upon request. Please call 608-267-3543 for more information.

From: Jenna Williams < jwilliams@fehrgraham.com>

Sent: Friday, March 17, 2023 12:20 PM

To: Adam Kersten

Cc: Schultz, Josie M - DNR; Jbutz@baytowel.com; dongallolaw@outlook.com;

Jeanne Tarvin; nreid@resolutemgmt.com; sroalsvik@resolutemgmt.com;

Dillon Plamann; Kendyl Hoss

Subject: Vapor Sampling Results - 445 S. Adams Street, Green Bay (Clinic)

Attachments: 21-1121 - Bay Towel 2023-03-16 - Sampling Results February 2023- 445 S

Adams Street.pdf

CAUTION: This email originated from outside the organization.

Do not click links or open attachments unless you recognize the sender and know the content is safe.

Greetings,

We have received the results of the vapor sampling conducted at your site, located at 445 S. Adams Street, Green Bay and sampled on February 28 and March 1, 2023. Please find attached the laboratory analytical results for your site, along with a letter which provides information on the results.

Please let us know if there are any questions.

Thank you, Jenna



JENNA WILLIAMS | EHS Specialist Fehr Graham | Engineering & Environmental

909 North 8th Street, Suite 101 Sheboygan, Wisconsin 53081 P: 920.453.0700 C: 920.858.0617 fehrgraham.com



March 16, 2023

Mr. Adam Kersten Submitted via email only to: kerstenrealty@yahoo.com 301 N Broadway LLC 1600 Shawano Avenue, Suite 204 Green Bay, WI 54303

RE: Vapor Sampling Results February 2023 for 445 S. Adams Street, Green Bay, WI Former Bay Towel Site 501 S. Adams Street Green Bay, WI BRRTS # 02-05-237064

Dear Mr. Kersten:

Fehr Graham, on behalf of Bay Towel, has completed additional site investigation activities for the former Bay Towel site located at 501 South Adams Street, Green Bay, WI 54301 (BRRTS #02-05-237064). The following site investigation activities have been completed on your property at 445 S. Adams Street:

- » Four (4) sub-slab vapor ports were installed and sampled to analyze the vapor chemistry below the property building. The first of up to two (2) sub-slab vapor sampling events was completed.
- » One (1) indoor air vapor sample was collected to analyze the vapor chemistry within the property building. The first of up to two (2) indoor air vapor sampling events was completed.
- One (1) outdoor ambient air vapor sample was collected for quality control purposes to analyze the upwind vapor chemistry outside the property building.
- » All vapor samples were submitted for laboratory analysis of Chlorinated Volatile Organic Compounds (CVOCs) that are associated with drycleaning solvents: tetrachloroethylene, trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, and vinyl chloride.

CVOC compounds were detected in vapors at your property. However, based on vapor laboratory analytical results, none of these detections exceed the Small Commercial Sub-Slab and Indoor Air standards established by the Wisconsin Department and Natural Resources (DNR) and the Wisconsin Department of Health Services. The vapor results are summarized and compared to relevant standards in attached Table A.4.iv. The laboratory analytical reports for the vapor samples are also included as attachments.

The next step is to complete a second round of vapor testing at the property building to confirm the results of the first round of vapor testing and that there is not a health concern in the property building in regards to vapor intrusion from the Bay Towel site.

March 16, 2023 Vapor Sampling Results February 2023 for 445 S. Adams Street, Green Bay, WI Page 2

A full summary of all site investigation results will be submitted to the DNR in the near future in a Site Investigation Report. Please refer to the attached DNR fact sheet RR-977 for additional explanation of the vapor results at your property.

Thank you for your cooperation on this investigation, and please share these results with all property building occupants. If you have any questions, please feel free to contact the Wisconsin DNR Project Manager for the Bay Towel Site, Ms. Josie Schultz (josie.schultz@wisconsin.gov or 920.366.5685), or contact me at dplamann@fehrgraham.com or 920.946.2407.

Sincerely,

Dillon Plamann, PG Project Hydrogeologist

Attachments: Table A.4.iv: Vapor Analytical Table – 445 S. Adams Street

Table A.4.v: Vapor Analytical Table – Upwind-Outdoor Air

Laboratory Analytical Reports

RR-977: Understanding Chemical Vapor Intrusion Testing Results

Cc: Ms. Josie Schultz, WDNR, via email only to josie.schultz@wisconsin.gov

Mr. Don Gallo, Gallo Law, LLC, via email only to dongallolaw@outlook.com

Mr. John Butz, Bay Towel, via email only to jbutz@baytowel.com

TABLE A.4.IV

Vapor Analytical Table - 445 S. Adams Street Former Bay Towel 501 S Adams Street, Green Bay, WI 54301 BRRTS# 02-05-237064

	Sample ID				Clinic 8-hr Indoor Air	Clinic SSVS-1	Clinic SSVS-2	Clinic SSVS-3	Clinic SSVS-4
	Sample Date		į	1	2/28/23	2/28/23	2/28/23	2/28/23	2/28/23
	Sample Location		SM/	SMA	Prevention Center Office	Room 108	Restroom	Room 106	Room 102
	Type of Sample	gen	S S	ν	indoor air	sub-slab	sub-slab	sub-slab	sub-slab
	Collection Method	n nog	₽ ₽ °	DHF.	Composite	Grab	Grab	Grab	Grab
	Time Period of Collection	oge arci	WDHF: RCIAL Vapor V	WDH RCIA	8-hour	30-min	30-min	30-min	30-min
	Analytical Method	cinc Co		_ ■ ←	TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated
	Method/Result Leak Detection	Caro	WDNR / COMME Subslab	WDNR COMM Indoor	shut-in/pass	water/pass	water/pass	water/pass	water/pass
		ΰż	≥ S ≥ 3	≥ 8 ≧					
Tetrachloroethene (PCE)	μg/m³	N	5,800	180	11.9	168	3,910	2,610	30.6
Trichloroethene (TCE)	μg/m ³	С	290	8.8	<1.07	<5.36	28.8	<21.4	<1.07
cis-1,2 Dichloroethene	μg/m ³	N	5,800	180	<0.793	<3.96	<0.793	<0.793	<0.793
trans-1,2 Dichloroethene	μg/m ³	N	5,800	180	<0.793	<3.96	<0.793	2.96	<0.793
Vinyl Chloride	μg/m³	С	930	28	<0.511	<2.56	<0.511	<0.511	<0.511

Notes:

N = Noncarcinogen; C = Carcinogen
ITALICS: Exceeds Subslab Vapor Standard
BOLD: Exceeds Indoor Air Standard

NA = Not Analyzed NS = No Standards

VAL = Vapor Action Level (compared for indoor air concentrations)

VRSL = Vapor Risk Screening Levels (compared for sub-slab vapor concentrations)

AF (Attenuation Factor) = 0.03 for Residential and Small Commercial

Standards for VAL and VRSL from January 2023 WDNR RR-0136 based on November 2022 U.S. EPA Regional Screening Level (RSL) Tables: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

All values in ug/m³ obtained from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator from U.S. EPA Regional Screening Level (RSL) database of toxicity and chemical parameters.

Indoor air values from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator and Regional Screening Levels (RSL) and correspond to noncarcinogenic hazard index of 1 or a carcinogenic target risk level of 1x10E-6.

Residential vs. Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

RR-800 Table 6a - Default Attenuation Factors

Sub-Slab Vapor = 0.03 (Small Commercial & Residential)

TABLE A.4.V

Vapor Analytical Table - Upwind-Outdoor Air Former Bay Towel 501 S Adams Street, Green Bay, WI 54301 BRRTS# 02-05-237064

	Sample ID				_		24-hr Outdoor Air
S	ample Date				ıtia	tial	2/28/23
Samp	ole Location		ALL.	4LL	ider	den	SW of 501 S. Washington
Тур	e of Sample		SMALL !SL	SMALL	Residential RSL	Residential	outdoor air
Collect	ion Method)ger	S ×	FS :	FS KR		Composite
Time Period o	f Collection	nogen Carcinogen	WDNR / WDHFS COMMERCIAL Subslab Vapor V	WDNR / WDHF C OMMERCIAL Indoor Air VAL	WDHFS Vapor V	WDHFS ir VAL	24-hour
Analyti	cal Method		/	∀ ■	\ \ \ \	∨ ∀	TO-15 chlorinated
Method/Result Lea	k Detection		WDNR / COMMI Subslab	WDNR. COMM Indoor	WDNR / Subslab	WDNR	shut-in/pass
		C-C N-N	WE CO Suk	WE CO	WE	pul JM	
Tetrachloroethene (PCE)	μg/m³	N	5,800	180	1,400	42	<1.36
Trichloroethene (TCE)	μg/m³	С	290	8.8	70	2.1	<1.07
cis-1,2 Dichloroethene	μg/m³	N	5,800	180	1,400	42.0	<0.793
trans-1,2 Dichloroethene	μg/m³	N	5,800	180	1,400	42	<0.793
Vinyl Chloride	μg/m³	С	930	28	56	1.7	<0.511

Notes:

N = Noncarcinogen; C = Carcinogen

ITALICS: Exceeds Subslab Vapor Standard

BOLD: Exceeds Indoor Air Standard

NA = Not Analyzed

NS = No Standards

VAL = Vapor Action Level (compared for indoor air concentrations)

VRSL = Vapor Risk Screening Levels (compared for sub-slab vapor concentrations)

AF (Attenuation Factor) = 0.03 for Residential and Small Commercial

Standards for VAL and VRSL from January 2023 WDNR RR-0136 based on November 2022 U.S. EPA Regional Screening Level (RSL) Tables: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables

All values in ug/m³ obtained from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator from U.S. EPA Regional Screening Level (RSL) database of toxicity and chemical parameters.

Indoor air values from U.S. EPA Vapor Intrusion Screening Level (VISL) calculator and Regional Screening Levels (RSL) and correspond to noncarcinogenic hazard index of 1 or a carcinogenic target risk level of 1x10E-6.

Residential vs. Small Commercial vs. Large Commercial/Industrial determined based on WDNR Publication RR-800

RR-800 Table 6a - Default Attenuation Factors

Sub-Slab Vapor = 0.03 (Small Commercial & Residential)



Pace Analytical® ANALYTICAL REPORT

March 14, 2023

Fehr Graham

Sample Delivery Group: L1591959

Samples Received: 03/06/2023

Project Number: 21-1121 PH23

Description: BayTower

Report To: Dillon Plamann

909 North 8th Street

Suite 101

Sheboygan, WI 53081

Entire Report Reviewed By: Junifer McCurdy

Jennifer A McCurdy

Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Ss

Cn

Sr

[°]Qc

Gl

Αl

Sc

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
24-HR OUTDOOR AIR L1591959-01	5
Qc: Quality Control Summary	6
Volatile Organic Compounds (MS) by Method TO-15	6
GI: Glossary of Terms	7
Al: Accreditations & Locations	8
Sc: Sample Chain of Custody	9





















PAGE:

2 of 10

SAMPLE SUMMARY

24-HR OUTDOOR AIR L1591959-01 Air			Jenna Williams	03/01/23 09:01	03/06/23 10:1!	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Volatile Organic Compounds (MS) by Method TO-15	WG2020743	1	03/10/23 23:16	03/10/23 23:16	DAH	Mt. Juliet, TN



















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

2₋

















Jennifer A McCurdy Project Manager

Jenrifer McCurdy

24-HR OUTDOOR AIR Collected date/time: 03/01/23 09:01

SAMPLE RESULTS - 01

L1591959

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2020743
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2020743
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2020743
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2020743
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2020743
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.2				WG2020743



















WG2020743

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591959-01

Method Blank (MB)

(MB) R3899619-3 03/10/23	3 09:27			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	97.7			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899619-1 03/10/2	.CS) R3899619-1 03/10/23 08:08 • (LCSD) R3899619-2 03/10/23 08:48										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
cis-1,2-Dichloroethene	3.75	3.62	3.57	96.5	95.2	70.0-130			1.39	25	
trans-1,2-Dichloroethene	3.75	3.74	3.68	99.7	98.1	70.0-130			1.62	25	
Tetrachloroethylene	3.75	3.53	3.70	94.1	98.7	70.0-130			4.70	25	
Trichloroethylene	3.75	3.57	3.68	95.2	98.1	70.0-130			3.03	25	
Vinyl chloride	3.75	3.80	3.70	101	98.7	70.0-130			2.67	25	
(S) 1,4-Bromofluorobenzene				100	99.2	60.0-140					









GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Abbreviations and	a Definitions
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama 40660	Nebraska	NE-OS-15-05
Alaska 17-026	Nevada	TN000032021-1
Arizona AZ0612	New Hampshire	2975
Arkansas 88-0469	New Jersey-NELAP	TN002
California 2932	New Mexico ¹	TN00003
Colorado TN00003	New York	11742
Connecticut PH-0197	North Carolina	Env375
Florida E87487	North Carolina ¹	DW21704
Georgia NELAP	North Carolina ³	41
Georgia ¹ 923	North Dakota	R-140
daho TN00003	Ohio-VAP	CL0069
llinois 200008	Oklahoma	9915
ndiana C-TN-01	Oregon	TN200002
owa 364	Pennsylvania	68-02979
Kansas E-10277	Rhode Island	LAO00356
Kentucky ^{1 6} KY90010	South Carolina	84004002
Kentucky ² 16	South Dakota	n/a
ouisiana Al30792	Tennessee 1 4	2006
ouisiana LA018	Texas	T104704245-20-18
Maine TN00003	Texas ⁵	LAB0152
Maryland 324	Utah	TN000032021-11
Massachusetts M-TN003	Vermont	VT2006
Michigan 9958	Virginia	110033
Minnesota 047-999-395	Washington	C847
Mississippi TN00003	West Virginia	233
Missouri 340	Wisconsin	998093910
Montana CERT0086	Wyoming	A2LA
A2LA – ISO 17025 1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵ 1461.02	DOD	1461.01
Canada 1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

ddress; 200 N 8th St. File 10 Shuby Gan, WI 53081 mail To: Aplanane felw hone: "Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE 1 24- Nr Orday Arv 2 3 4 5 6 7 Coc Seal Present/Intact:	ar Bag TB ar Summa Can 1LC ar Summa Can 6LC Volume Puff LVP Volume Puff HVP	Terr	PID Reading (Client only)		Address Pace Qi Pace Pr Pace Pr COLL	ny Name: S: O uote Referei roject Manag rofile #: ECTED	nce:	Elv grus	Canister Pressure (Final Field - in Hg)	nte s		-27.		Flow	Lo Sa Re	Volunt cation mpling port Letthod:	of by S	Superfulean Up	W.	Emiss	Reporting/m³_PPBV_Other_Other_	Clean A	Other
Subjection D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE 1 24- hr Orday Arr 2 3 4 5 6 6 7 Coc Seal Present/Intact:	chase Order No.: ect Name: ect Number: Media Codes March Codes Ma	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	Address Pace Qi Pace Pr Pace Pr COLL	uote Reference roject Managrofile #:	nce: per/Sales R	ep.	2 ,5	nte	umm	-27.			Lo Sa Re	Volunt cation mpling port Letthod:	of by S	State	W.	IV	Reporting/m³_PPBV_Other_Other_	RA TO	Other
mail To: dpla manue felle Purch hone: Fax:	ect Name: 2 Media Codes A CODE Ir Bag TB Ir Summa Can 1LC Ir Summa Can 6LC Volume Puff LVP Volume Puff HVP	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	Pace QI Pace Pr Pace Pr COLL	uote Referei roject Manag rofile #: ECTED	nce: per/Sales R	ep.	2 ,5	nte	umm	-27.	1	10 (18)	Lo Sa Re	cation mpling oort Le	of by S	State	W. III	IV	Reporting/m³_PPBV_Other_Other_	ng Units mg/m³_	
requested Due Date/TAT: Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE Sample IDs MUST BE UNIQUE Sample	ect Name: 2 Media Codes A CODE Ir Bag TB Ir Summa Can 1LC Ir Summa Can 6LC Volume Puff LVP Volume Puff HVP	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	Pace Pr Pace Pr COLL	roject Managrofile #: ECTED COM END	er/Sales R	ep.	13.00	s	umm	-27.		Flow	Re Me	mpling	by S	II. <u></u>	77	17.	ug/m³_ PPBV _ Other_ Other_	mg/m ³ _	
Fax: Proje Proje Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE Tedlar 1 Liter 6 Liter Low High V Other 24 5 6 7 COC Seal Present/Intact:	Media Codes IA CODE Ir Bag JB Ir Summa Can 1LC Ir Summa Can 6LC Volume Puff LVP Volume Puff HVP	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	Pace Pr	ECTED	POSITE -	2.72	er Pressure Field - in Hg)			a		low	Re Me	mpling	by S	II. <u></u>	77	17.	Other_	PPMV	
Sample IDs MUST BE UNIQUE 1 24- W Outday Av 2 3 4 5 6 6 7 Coc Seal Present/Intact:	Media Codes IA CODE Ir Bag JB Ir Summa Can 1LC Ir Summa Can 6LC Volume Puff LVP Volume Puff HVP	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	COLL	ECTED COM END	POSITE - /GRAB	ister Pressure al Field - in Hg)	er Pressure Field - in Hg)			a		low	Me	thod:	7	II	77	17.	Other	7	
Sample IDs MUST BE UNIQUE 1 24- W Owday Av 2 3 4 5 6 6 7 Coc Seal Present/Intact:	Media Codes IA CODE Ir Bag TB Ir Summa Can 1LC Ir Summa Can 6LC Volume Puff LVP Volume Puff HVP	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF	TIME	COM END	POSITE - /GRAB	ister Pressure al Field - in Hg)	er Pressure Field - in Hg)			a		l	Me	thod:	7	7	77	17.	/aleo	7	
AIR SAMPLE ID Sample IDS MUST BE UNIQUE 1 24-W Owday Av 2 3 4 5 6 7 COC Seal Present/Intact:	ar Bag TB ar Summa Can 1LC ar Summa Can 6LC Volume Puff LVP Volume Puff HVP		PID Reading	DATE	TIME	COM END	POSITE -	ister Pressure al Field - in H	er Pressure Field - in Hg			a		-low			//	'//	//	10/10	Se Se	/	
24-hr Outday Air Coc Seal Present/Intact:			-	-	1	DATE		들을	anist Final I		umbe	er	C	ontrol imber		0 1	87 G8 (%)	W (Methane)	S FWI LIST	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Low Charles		
2 3 4 5 6 7 COC Seal Present/Intact:		Lecc	0	2/28/12		DAIL	TIME		-			-			10	/5/	0/0	/0/	0/0/	8/8	/	Pace La	ib ID
3 4 5 6 COC Seal Present/Intact:					901	3/1/23	901	-27	-13	0 8	37	2	01	1	3	. ·)	(-01	1
4 5 6 7 COC Seal Present/Intact:	,						:			9			1 1										,
7 COC Seal Present/Intact:		1																					
7 Sample Recei					. · · · //					1 1	. : : : : : :	4 - 1				3	12	1 2			-		
7 COC Seal Present/Intact:		1	-			1																AW.	Personal designation of the Control
7 Sample Recei		7	17.5	18 5.00	1 7 7 8	A francis					7						1						-
COC C		344	1				- 13 13 21		1000			1			+		1		127			-	
COC Signed/Accurate:	ipt Checklis	<u>st</u>							· ·			+			1		-						
	_N If _N VOA Zero	If Applicable OA Zero Headspace: res.Correct/Check:		ole ce: 🕶 r	NI														1.	1. 1			
Correct bottles was	_N Pres.Cor N	rect/	Chec	k: 7	N	-						+			+		-						
Sufficient volume sent: Y RAD Screen <0.5 mR/hr:	N					-			V 1811	8.		1			-		-	-		++			
11			T	r	T											6:				1		***************************************	
12							NO. COLUMN TO A STATE OF																
omments :	R	ELINQ	UISH	HED BY / A	FFILIA	TION	DATE	TIN	ИΕ	ACC	EPTE	D BY	/ AFF	ILIATIC	N	DAT	to the late	CALL ASSET	IME	SA		ONDITIO	ONS
FEHGRAS WI											///	.4	an	un	3	101	13	lor)		×	×	×
			4.5	- e.1 - 6d	5,50	t.,	in en d	. 10 a Si	19.	11.36	Not the	- /	f 12:27	nW.	24.5	(243)	Jay's	11. 81		1	N. N.	N.	×
													1225	ik y jedno				jan.		7	N.	N X	N.
																					N.	× ×	Z X
		15.45			1-1-1	SAMPLE	R NAME A	ND SIGN	NATURE											ပ			
						PRINT Name	of SAMPLER:	Whi	16.20		Carrie (Sale			N A DE		200		177	General	_ ⊆	Received on Ice	Custody Sealed Cooler	Samples Intact
ORIGINAL						SIGNATURE		4411	1000				DATE S	gned (MM	DD/YY)	2	-			Temp	Rece	Cu	ampl



Pace Analytical® ANALYTICAL REPORT

March 15, 2023

Fehr Graham

Sample Delivery Group:

L1591960

Samples Received:

03/07/2023

Project Number:

21-1121 PH23

Description:

BayTower

Report To:

Dillon Plamann

909 North 8th Street

Suite 101

Sheboygan, WI 53081

Sc

Ss

Cn

Sr

[°]Qc

Gl

Αl

Entire Report Reviewed By: Junifer McCurdy

Jennifer A McCurdy

Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
CLINIC 8-HR INDOOR AIR L1591960-01	5
CLINIC SSVS-1 (RM-108) L1591960-02	6
CLINIC SSVS-2 (RESTROOM) L1591960-03	7
CLINIC SSVS-3 (RM-106) L1591960-04	8
CLINIC SSVS-4 (RM-102) L1591960-05	9
Qc: Quality Control Summary	10
Volatile Organic Compounds (MS) by Method TO-15	10
GI: Glossary of Terms	14
Al: Accreditations & Locations	15
Sc: Sample Chain of Custody	16



















SAMPLE SUMMARY

CLINIC 8-HR INDOOR AIR L1591960-01 Air			Collected by Jenna Williams	Collected date/time 02/28/23 16:30	Received da 03/07/23 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2020807	1	03/10/23 11:41	03/10/23 11:41	DAH	Mt. Juliet, TN
CLINIC SSVS-1 (RM-108) L1591960-02 Air			Collected by Jenna Williams	Collected date/time 02/28/23 14:02	Received da 03/07/23 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2021804	5	03/12/23 16:05	03/12/23 16:05	CEP	Mt. Juliet, TN
CLINIC SSVS-2 (RESTROOM) L1591960-03 Air			Collected by Jenna Williams	Collected date/time 02/28/23 14:29	Received da 03/07/23 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15 Volatile Organic Compounds (MS) by Method TO-15	WG2020807 WG2021784	1 20	03/10/23 13:00 03/12/23 14:21	03/10/23 13:00 03/12/23 14:21	DAH DBB	Mt. Juliet, TN Mt. Juliet, TN
CLINIC SSVS-3 (RM-106) L1591960-04 Air			Collected by Jenna Williams	Collected date/time 02/28/23 15:08	Received da 03/07/23 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15 Volatile Organic Compounds (MS) by Method TO-15	WG2020807 WG2021784	1 20	03/10/23 13:28 03/12/23 14:58	03/10/23 13:28 03/12/23 14:58	DAH DBB	Mt. Juliet, TN Mt. Juliet, TN
CLINIC SSVS-4 (RM-102) L1591960-05 Air			Collected by Jenna Williams	Collected date/time 02/28/23 15:30	Received da 03/07/23 10:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location

WG2021565



















Volatile Organic Compounds (MS) by Method TO-15

03/11/23 23:14

03/11/23 23:14

DAH

Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

















Jennifer A McCurdy Project Manager

Jenrifer McCurdy

CLINIC 8-HR INDOOR AIR Collected date/time: 02/28/23 16:30

SAMPLE RESULTS - 01

L1591960

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2020807
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2020807
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.76	11.9		1	WG2020807
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2020807
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2020807
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.4				WG2020807



















CLINIC SSVS-1 (RM-108) Collected date/time: 02/28/23 14:02

SAMPLE RESULTS - 02

L1591960

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	1.00	3.96	ND	ND		5	WG2021804
trans-1,2-Dichloroethene	156-60-5	96.90	1.00	3.96	ND	ND		5	WG2021804
Tetrachloroethylene	127-18-4	166	1.00	6.79	24.7	168		5	WG2021804
Trichloroethylene	79-01-6	131	1.00	5.36	ND	ND		5	WG2021804
Vinyl chloride	75-01-4	62.50	1.00	2.56	ND	ND		5	WG2021804
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.9				WG2021804



















CLINIC SSVS-2 (RESTROOM)
Collected date/time: 02/28/23 14:29

SAMPLE RESULTS - 03

L1591960

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	<u>Batch</u>
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2020807
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2020807
Tetrachloroethylene	127-18-4	166	4.00	27.2	576	3910		20	WG2021784
Trichloroethylene	79-01-6	131	4.00	21.4	5.38	28.8		20	WG2021784
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2020807
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		109				WG2020807
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2021784



















CLINIC SSVS-3 (RM-106) Collected date/time: 02/28/23 15:08

SAMPLE RESULTS - 04

L1591960

	CAS #	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2020807
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.746	2.96		1	WG2020807
Tetrachloroethylene	127-18-4	166	4.00	27.2	384	2610		20	WG2021784
Trichloroethylene	79-01-6	131	4.00	21.4	ND	ND		20	WG2021784
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2020807
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2020807
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		104				WG2021784



















CLINIC SSVS-4 (RM-102) Collected date/time: 02/28/23 15:30

SAMPLE RESULTS - 05

L1591960

	CAS#	Mol. Wt.	RDL1	RDL2	Result	Result	Qualifier	Dilution	Batch
Analyte			ppbv	ug/m3	ppbv	ug/m3			
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2021565
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2021565
Tetrachloroethylene	127-18-4	166	0.200	1.36	4.50	30.6		1	WG2021565
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2021565
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2021565
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.0				WG2021565



















QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591960-01,03,04

Method Blank (MB)

(MB) R3899971-3 03/10/23	3 09:42			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	96.5			60.0-140

Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3899971-1 03/10/23 08:45 • (LCSD) R3899971-2 03/10/23 09:14											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
cis-1,2-Dichloroethene	3.75	3.64	3.60	97.1	96.0	70.0-130			1.10	25	
trans-1,2-Dichloroethene	3.75	3.40	3.31	90.7	88.3	70.0-130			2.68	25	
Tetrachloroethylene	3.75	4.05	3.89	108	104	70.0-130			4.03	25	
Trichloroethylene	3.75	3.95	3.76	105	100	70.0-130			4.93	25	
Vinyl chloride	3.75	3.43	3.38	91.5	90.1	70.0-130			1.47	25	
(S) 1,4-Bromofluorobenzen	е			98.8	100	60.0-140					







QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591960-05

Method Blank (MB)

(MB) R3900723-2 03/11/23	MB) R3900723-2 03/11/23 11:59						
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	ppbv		ppbv	ppbv			
cis-1,2-Dichloroethene	U		0.0784	0.200			
trans-1,2-Dichloroethene	U		0.0673	0.200			
Tetrachloroethylene	U		0.0814	0.200			
Trichloroethylene	U		0.0680	0.200			
Vinyl chloride	U		0.0949	0.200			
(S) 1,4-Bromofluorobenzene	92.9			60.0-140			







Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3900723-1 03/11	CS) R3900723-1 03/11/23 11:18 • (LCSD) R3900723-3 03/11/23 12:41											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%		
cis-1,2-Dichloroethene	3.75	3.94	4.01	105	107	70.0-130			1.76	25		
trans-1,2-Dichloroethene	3.75	3.88	3.96	103	106	70.0-130			2.04	25		
etrachloroethylene	3.75	4.15	4.23	111	113	70.0-130			1.91	25		
richloroethylene	3.75	3.87	3.94	103	105	70.0-130			1.79	25		
inyl chloride	3.75	3.83	3.94	102	105	70.0-130			2.83	25		
(S) 1.4-Bromofluorobenzer	ne			93.6	93.3	60.0-140						









QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591960-03,04

Method Blank (MB)

(MB) R3900244-3 03/12/23 10:04 MB MDL MB RDL MB Result MB Qualifier Analyte ppbv ppbv ppbv U Tetrachloroethylene 0.0814 0.200 U Trichloroethylene 0.0680 0.200 (S) 1,4-Bromofluorobenzene 105 60.0-140







[†]Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3900244-1 03/12/23 08:45 • (LCSD) R3900244-2 03/12/23 09:26

(200) 1100002 111 00/12/2	-0 000 (200	2,	_ 00/.2/2000	0						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
Tetrachloroethylene	3.75	4.02	4.12	107	110	70.0-130			2.46	25
Trichloroethylene	3.75	4.20	4.25	112	113	70.0-130			1.18	25
(S) 1,4-Bromofluorobenzene				105	105	60.0-140				













QUALITY CONTROL SUMMARY

Volatile Organic Compounds (MS) by Method TO-15

L1591960-02

Method Blank (MB)

(MB) R3900821-2 03/12/23	3 09:48			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
Vinyl chloride	U		0.0949	0.200
(S) 1,4-Bromofluorobenzene	101			60.0-140







Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3900821-1 03/12/	LCS) R3900821-1 03/12/23 09:20 • (LCSD) R3900821-3 03/12/23 10:48										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%	
cis-1,2-Dichloroethene	3.75	4.16	4.17	111	111	70.0-130			0.240	25	
trans-1,2-Dichloroethene	3.75	3.82	3.93	102	105	70.0-130			2.84	25	
Tetrachloroethylene	3.75	3.95	3.90	105	104	70.0-130			1.27	25	
Trichloroethylene	3.75	3.99	4.00	106	107	70.0-130			0.250	25	
Vinyl chloride	3.75	3.95	3.73	105	99.5	70.0-130			5.73	25	
(S) 1,4-Bromofluorobenzene	à			101	101	60.0-140					











GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Appreviations and	a Delimitoris
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















PAGE:

15 of 17

^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



CHAIN-OF-CUSTODY / Analytical Request Document

	Section A Section B Required Client Information: Required Project Infor		nation:			Section C Invoice Information:											5/263					e: \ of		Sq.
Company: Track Inc. 1961 199		Report To: Dallan	Mamanh											Program						4.4. 31	*11.73			
Addre	955: 909 N. 8th St. Sviters	Report To: Dillan Copy To: Cema				Attention: Dilla Plamann Company Name: Filhthrahum Address: and N. 8th St, svitles											UST Superfund Emissions Clean Air Act						Air Act	
1000	Shebogan, WI 53081	Terror Anton Statement															Voluntary Clean Up Dry Clean RCRA COther_							1181
Address: 909 N. 8th St. Sviters Copy To: Cer Shebogan, NI 53081 Email To: Purchase Order No Phone: Fax: Project Name: Day 1520750 Requested Due Date/TAT: Project Number:			(46)			Pace Quote Nalafance.										Location of A Company Control Location of								
			artowel			Pace Project Manager/Sales Rep.								Sampling by State PPBV PPBV Other PPBV										
Requ	ested Due Date/TAT:	Project Number: 21-	112	10	HZ3	Pace Pr	ofile #:							Report Level II III IV Other										
# N	'Section D Required Client Information AIR SAMPLE ID Sample IDS MUST BE UNIQUE	Valid Media Codes MEDIA Tediar Bag TEB 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Yolume Puff Other PM10	MEDIA CODE	PID Reading (Client only)	COMPOSITE STAF			MPOSITE -	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	(mma Can mber		Cor	ow ntrol nber	Meth	nod:	IN (Nother)	(5 Full)	70.15 Short Lier 10 Cs.	Short Life Chlorings	7		
ITEM			MED	- G-	DATE	TIME	DATE	TIME		-	<u> </u>	-1-1		_ 16		No.	12/2/	8/2/	10/0	10/1	ø/	Pace I	_ab ID	
1	Clinic 8-hr Indoor Air		b LC	1	2118/72		21281		-29	-5	33	1	Q	01	38	5				X		-01		
2	Clinic SSVS-1 (Rm.)	108)		300	1	1332		1402	-30	-13			3	16	5 1					X		-02		
3	Clinic SSVS-2 CREST	troim)		211	h	1359		1429	-30	-9	21	3	I	29						X		-03		
4	Clinic STVS-3 CRm.	106)	Ц.	PP3	1	1438	1.	1508		-8	1 2	anna an anticompre	2	1 1		-				X		-04		
5	Clinic STVS4 (RM	.102)	A	PP.	h ~	1500	V	1530	-32	-10	21	3	8	28	30					X	-	-05		
6			1.0 -						1	100	1 2							44			-	as I		
7				-												\bot		-						
8							11.00	4	her)															
9																								1 1 1
10			and party		CONTRACTOR	13.50 27		1302			+							++						
11						1		1337	1				- 1											
12							-101	DATE	-		1.005	DTED	DV	/ AEEU	LATION		DATE		TIME		CAMPLI	CONDI	TIONS	
Com	ments:	R	ELING	JUISI	HED BY / A	FFILIA	ION	DATE	111	ME	ACCE	PIED	BY	/ AFFIL	IATION	1	DATE		IIIVIE		SAMPLE		TIONS	
	FEHGRASW1	-		6 7				1	-				V.	-/			7 12 6				> 2		>	
	for the large year March and the confidence of t		e de la companya de l			2.139			1 637500		100	D - 14 (4)		//	9—	17	-6.23	1	0/5		7		>	
			- 10				X.3.		117 19			(M)	V	W		7	-0.03	- 6	0/0		2		>	
i de			i iy Libi sh		are the state	100 to 10	CAMPU	ED NAME A	ND CIC	NATUDE	A9.											· >	3	
	ORIGINA						PRINT Nam	ER NAME And of SAMPLER:		MATURE MAA		11V -	W	M~ DATE Sign	Sned (MM/E	ľĎ	023				Temp in °C	Custody Sealed Cooler	to tall a classical	Calinprica
	1700 Flm Street SF, Suite 200, Minner	anolis MN 55414	Air Te	chnic	cal Phone:	612 607	6386	1	1	V)									F(C046Rev.	01, 03Feb	2010	

(OO) Learned Sampleting Chain of Custody (COC) Instructions for completing Chain of Custody (COC)

	Comments section.
	Special Project Requirements such as Low Level Detection Limits or level of QC reported must be included on the chain of custody in the Additional
52	
*	have been made with your project manager.
	Standard Turnaround Time is 2 Weeks/10 business days. Results will be delivered by end of business on the date due unless other arrangements
	FEHCIBISMI
dul	ortant Note:
in the supposition of the suppos	being transferred; sign relinquished by, date and time, and include your affiliation.
10	When relinquishing custody of the samples to a representative of the laboratory or other organization, indicate the Item Numbers of those samples
	the spaces designated for 'SAMPLER NAME AND SIGNATURE'.
,6	The sampler should print their name in the space provided and sign their name followed by the date of the sampling event at the bottom of the COC in
	analysis. Additional comments should be referenced in the bottom left hand corner or include attachments for extended lists of parameters.
.8	Requested Analysis: List the required analysis and methods on the lines provided and place a check in the column for the samples requiring the
L	Mark if the sample was filtered in the field by marking Y or N in 'Filtered' row by the Analysis requested.
40	End/Grab'), Sample temp at collection (if required by state), the total number of containers, and preservative used.
0	time should be documented in the respective boxes. The collection time for a grab (G) sample should be entered in the boxes marked 'Composite'
V	information should also be included: the sample matrix, sample type (G (grab) or C (composite). When collecting a composite, the start time and end
.9	
	Number Number
.δ	Regulatory Agency: List the program that is guiding the work to ensure proper regulations are followed.
	Section 1 reduced the minimum of the section of the
andre occupiones	samples were collected.
7	Site Location: A separate COC must be filled out for each day of sample collection. Record the two letter postal code for the US state in which the
	Pace Analytical Services. And the season of
interior	Quote Reference should be completed if a quotation was provided by Pace Analytical. The Project Manager, and Profile No. will be completed by
De tous	sociving the invoice.
.2.	경기를 다 보는다면 하는데 하는데 이번에 가는 그는데 이번에 가는 그는데 이번에 가는데 하는데 하는데 하는데 이번에 하는데 하는데 이번에 하는데 그렇게 되었다면 하는데 그렇게 그렇게 되었다면 하는데 그렇게
70	moni∧ Section B : Section C :
emperator (appear on the report.
0/10/	questions, and who will receive the final report.), e-mail address (if available), PO#, Project Name and/or Project Number as you would like to see it
.1	Section A and B: Complete all Client information at top of sheet: company name, address, phone, fax, contact (the person to contact if there are
	그림이 그렇게 되면 하면 하면 하면 하면 하면 하면 하는데 그는데 그는데 그는데 그는데 그는데 그는데 그는데 그는데 그는데 그

1700 Elm Street SE, Suite 200, striffeagous, w.s. 55-14". Air Technical Phone 912.002 386.



Understanding Chemical Vapor Intrusion Testing Results

RR-977 October 2014

From the Lab to You

Chemical vapor samples were taken from underneath your house or building and possibly indoors as well. These samples have been tested by a certified laboratory and a report was issued. The Wisconsin Department of Natural Resources (DNR) uses these test results to determine if people in the building are being exposed to chemical vapors coming from nearby contaminated soil or groundwater, and to decide what, if any, action is needed to prevent this exposure.

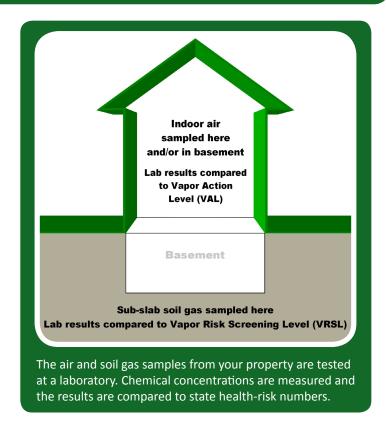
Indoor Air Testing Results

If indoor air samples were collected in your house or building, test results from the lab will be compared to the state Vapor Action Level (VAL) for chemicals of concern. The VAL is a chemical compound's numerical value that represents a health hazard risk to no more than 1 in 100,000 people during a lifetime of exposure. If test results show chemical concentrations in your air below the VAL then adverse health effects are extremely rare, even if you were to breathe the chemical at this concentration for your entire life.

Test results showing chemical concentrations in the air at or above the VAL prompt DNR to recommend that exposure to these chemical vapors be reduced. If test results show concentrations significantly above the VAL, or more than one type of chemical vapor is identified in your indoor air, the risk from exposure increases. If the concentration of any indoor chemical vapor greatly exceeds the VAL, DNR is concerned about even short-term exposure and will typically require immediate action to address the problem.

The VAL for each chemical is set by scientific research. It is protective of all people, including those who are most susceptible to adverse health effects.

If test results identify chemicals in your air that are not present in nearby soil or groundwater contamination, it is likely that these vapors are coming from some product or activity in or near your house or building. Many everyday consumer products (e.g., cleaners, solvents, polish, adhesives, lubricants, aerosols, insect repellants, etc.); combustion processes (e.g., smoking, home heating); fuels in attached garages; dry cleaned clothing or draperies; and occupant activities (e.g., craft hobbies), also release chemical vapors into the air.



Sub-slab Soil Gas Testing Results

Soil gas samples were collected from the ground beneath the concrete slab of your building foundation or basement. The lab measured the concentrations of various chemicals in these samples. DNR compares these measurements to the state Vapor Risk Screening Level (VRSL), which identifies the concentration of a chemical in soil gas that scientific research suggests can be a health risk if vapor enters a building. If soil gas measurements exceed the VRSL for a chemical of concern, action to reduce exposure is strongly recommended.

The VRSL is a higher number (higher chemical concentration) than the VAL because it is presumed that concrete building foundations and basement walls will prevent most soil gas from entering a building. Further, any soil gas that does enter a building through cracks, holes, sump pumps, drains, etc., will be diluted to some extent by the indoor air. So, people inside will not be breathing air that includes the full concentration of chemical vapors that exist in the ground.





DNR generally relies on the test results of the sub-slab soil gas samples when determining what, if any, action should be taken related to chemical vapors coming from nearby soil or groundwater contamination. Indoor air quality is highly variable, and it is difficult to make a definitive decision about vapor intrusion based on indoor air sampling alone.

Follow-Up Actions

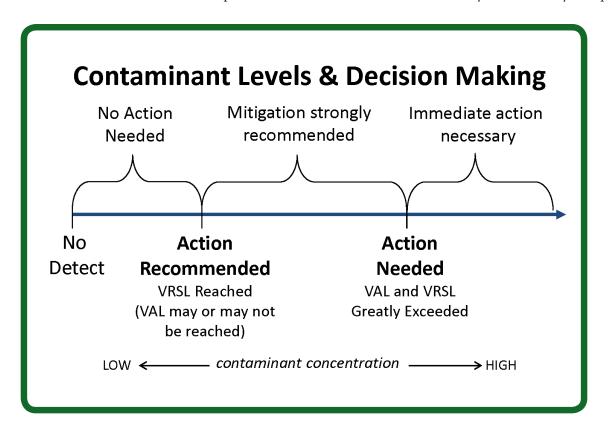
If your test results are less than a VAL for indoor air, or a VRSL for sub-slab soil gas, then the air in the house or building should not present a health concern. Follow-up sampling and testing may be necessary to confirm the results, but no other action is typically suggested.

When test results show soil gas chemical concentrations above a VRSL, both DNR and the Wisconsin Department of

Health Services recommend that owners take action to reduce potential exposure. This typically involves installing a vapor mitigation system that vents chemical vapors from beneath your home or building to the outdoors, similar to a radon mitigation system.

If indoor air concentrations exceed a VAL, but sub-slab concentrations are less than a VRSL, then the chemical vapors are most likely coming from indoor sources. Steps should be taken by the house or building owner to identify the products and practices causing the problem and implement appropriate remedies.

If soil gas mitigation is recommended, a representative of the party who is responsible for the soil or groundwater contamination will contact you to discuss your options.



<u>A Note about Measurement Units:</u> The lab report may include some unfamiliar technical language. The most important point to note is whether or not the test result for a specific chemical exceeds a VAL or VRSL, which are also sometimes referred to, generically, as "screening levels."

The concentration of gaseous pollutants in air is typically described in two different ways: 1) as units of mass per volume, where $\mu g/m3$ represents micrograms of gaseous pollutant per cubic meter of ambient air; and 2) as parts per billion by volume (ppbv), where the volume of a gaseous pollutant is compared to a set volume of ambient air. These are the numbers that are compared to the VAL and VRSL.

For more information, visit dnr.wi.gov/topic/Brownfields/Vapor.html

This document contains information about certain state statutes and administrative rules but does not necessarily include all of the details found in the statutes and rules. Readers should consult the actual language of the statutes and rules to answer specific questions. The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Equal Opportunity Office, Department of Interior, Washington, D.C. 20240. This publication is available in alternative format upon request. Please call 608-267-3543 for more information.