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

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

FEHR GRAHAM 1973 | 2023
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.

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		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS **Residential** Subslab Vapor VRSL	WDNR / WDHFS **Residential** Indoor Air VAL	Residence 24-hr Indoor Air	Residence SSVS-1
Sample Date					3/1/23	2/28/23
Sample Location					basement	basement
Type of Sample					indoor air	sub-slab
Collection Method					Composite	Grab
Time Period of Collection					24-hour	30-min
Analytical Method					TO-15 chlorinated	TO-15 chlorinated
Method/Result Leak Detection					shut-in/pass	water/fail
Tetrachloroethene (PCE)	µg/m^3	N	*1,400*	**42**	<1.36	<1.36
Trichloroethene (TCE)	µg/m^3	C	*70*	**2.1**	<1.07	<1.07
cis-1,2 Dichloroethene	µg/m^3	N	1,400	42.0	<0.793	<0.793
trans-1,2 Dichloroethene	µg/m^3	N	1,400	42	<0.793	<0.793
Vinyl Chloride	µg/m^3	C	*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/m^3 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		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS **SMALL COMMERCIAL** Subslab Vapor VRSL	WDNR / WDHFS **SMALL COMMERCIAL** Indoor Air VAL	WDNR / WDHFS **Residential** Subslab Vapor VRSL	WDNR / WDHFS **Residential** Indoor Air VAL	24-hr Outdoor Air
Sample Date							2/28/23
Sample Location							SW of 501 S. Washington
Type of Sample							outdoor air
Collection Method							Composite
Time Period of Collection							24-hour
Analytical Method							TO-15 chlorinated
Method/Result Leak Detection							shut-in/pass
Tetrachloroethene (PCE)	µg/m^3	N	*5,800*	**180**	*1,400*	**42**	<1.36
Trichloroethene (TCE)	µg/m^3	C	*290*	**8.8**	*70*	**2.1**	<1.07
cis-1,2 Dichloroethene	µg/m^3	N	*5,800*	**180**	1,400	42.0	<0.793
trans-1,2 Dichloroethene	µg/m^3	N	*5,800*	**180**	1,400	42	<0.793
Vinyl Chloride	µg/m^3	C	*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/m^3 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)

ANALYTICAL REPORT

March 14, 2023

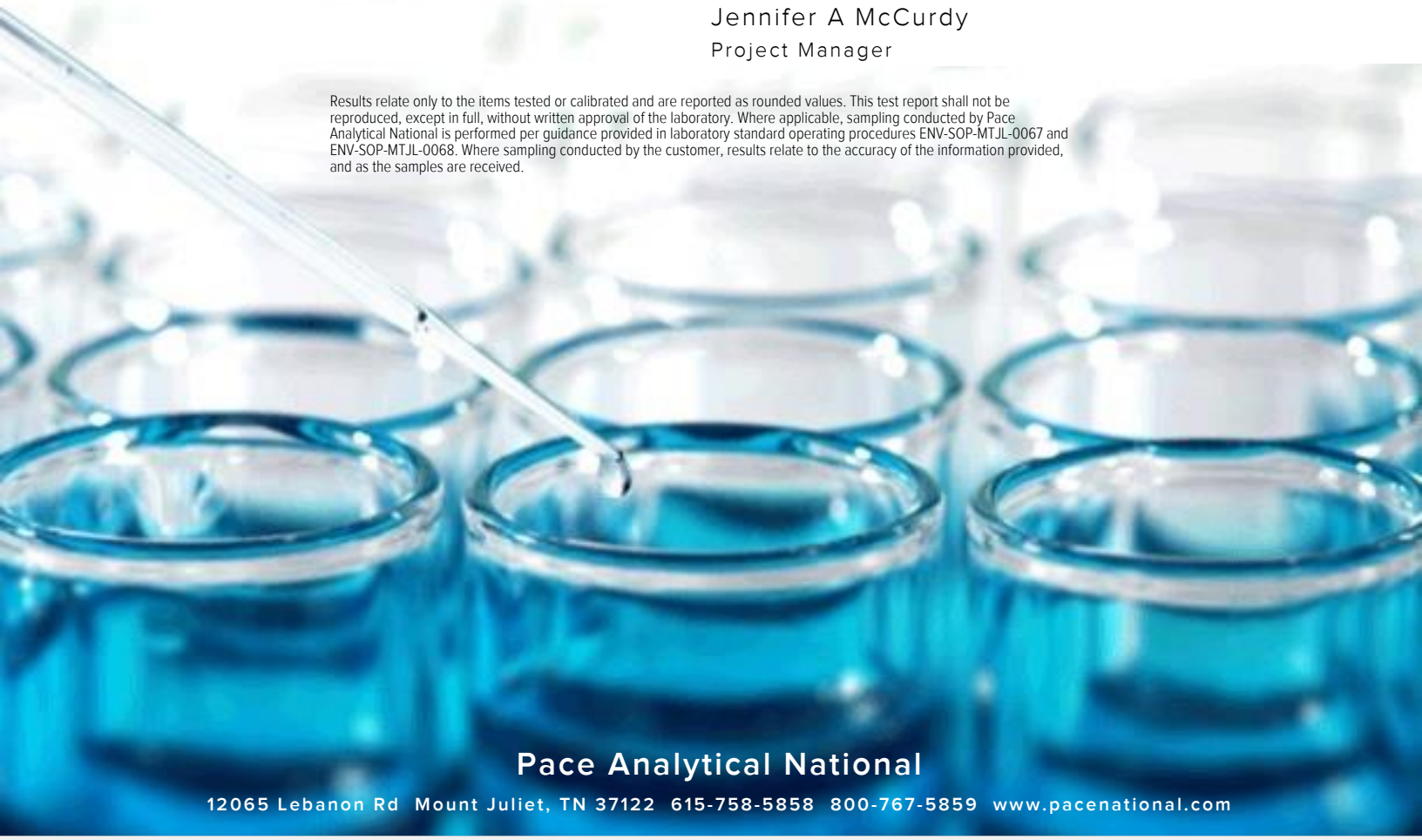
Fehr Graham

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:

Jennifer A McCurdy
Project Manager



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

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SAMPLE SUMMARY

24-HR OUTDOOR AIR L1591959-01 Air

Collected by: Jenna Williams
Collected date/time: 03/01/23 09:01
Received date/time: 03/06/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
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.

Jennifer A McCurdy
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Method Blank (MB)

(MB) R3899619-3 03/10/23 09:27

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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 03/10/23 08:08 • (LCSD) R3899619-2 03/10/23 08:48

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	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
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

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

E035

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

L1591959

~~57263~~ (PM)

Page: 1 of 1

Section A Required Client Information:

Company: Fehr Graham
Address: 909 N 8th St, suite 101
Shebygan, WI 53081
Email To: dplamann@fehr graham.com
Phone: 920 453 2020 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dillan Plamann
Copy To: (email)
Purchase Order No.:
Project Name: Bay Terrace 1
Project Number: 21121PH23

Section C Invoice Information:

Attention: Dillan Plamann
Company Name: Fehr Graham
Address: 909 N 8th St, Suite 101
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	24-hr Outdoor Air	6LC	0	2/28/23	901	3/1/23	901	-27	-13	0872	0118						X				-01
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Sample Receipt Checklist

COC Seal Present/Intact:	Y ___ N	If Applicable	
COC Signed/Accurate:	Y ___ N	VOA Zero Headspace:	___ Y ___ N
Bottles arrive intact:	Y ___ N	Pres.Correct/Check:	___ Y ___ N
Correct bottles used:	Y ___ N		
Sufficient volume sent:	Y ___ N		
RAD Screen <0.5 mR/hr:	Y ___ N		

Comments :

FEHGRASWI

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			M. Yaeckle	3/6/23	1045

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joshua Williams

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 03/01/2023

ORIGINAL

ANALYTICAL REPORT

March 10, 2023

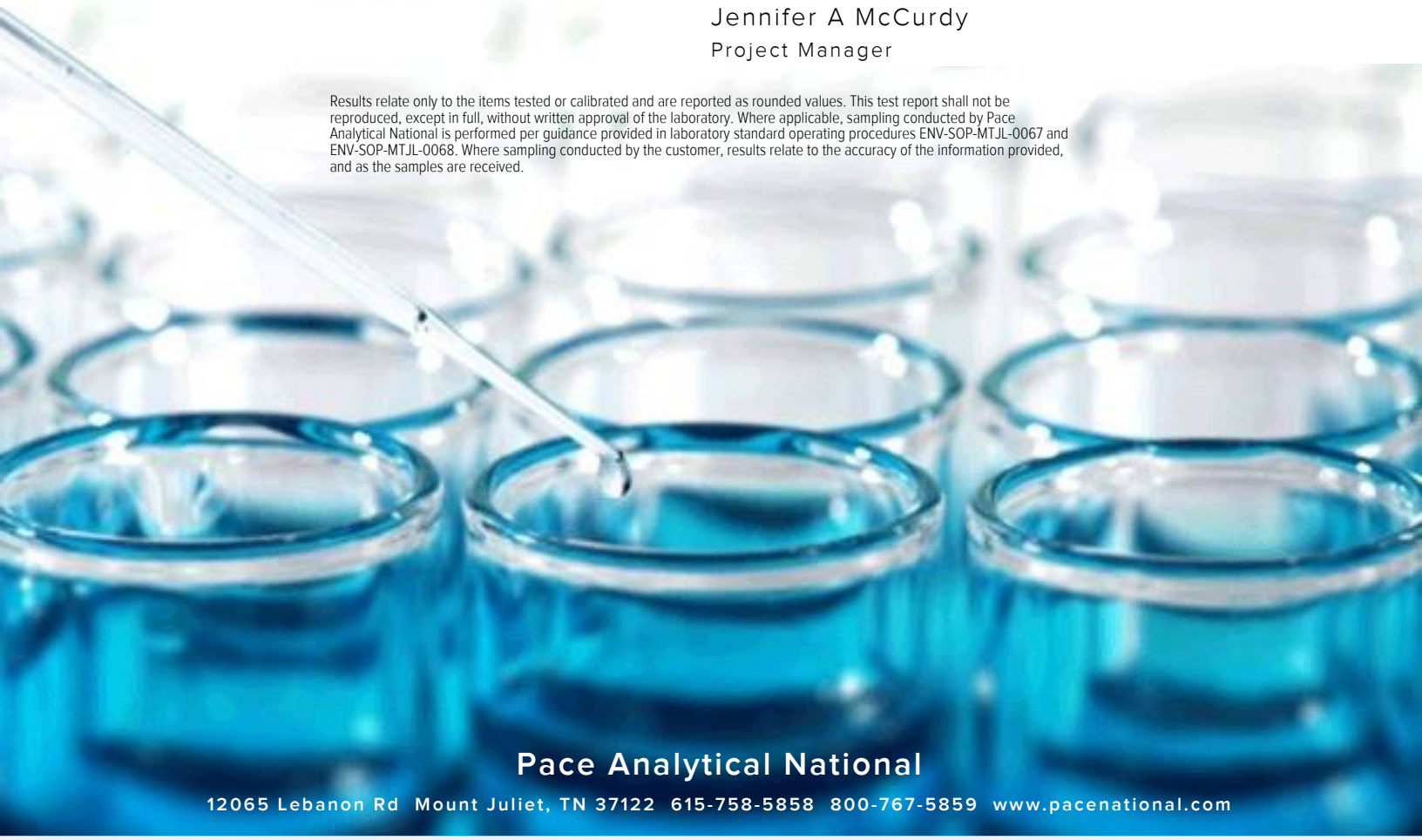
Fehr Graham

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:

Jennifer A McCurdy
Project Manager



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SAMPLE SUMMARY

RESIDENCE 24-HR INDOOR AIR L1591961-01 Air

Collected by: Jenna Williams
Collected date/time: 03/01/23 09:30
Received date/time: 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 Air

Collected by: Jenna Williams
Collected date/time: 02/28/23 11:05
Received date/time: 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 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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Method Blank (MB)

(MB) R3898767-3 03/08/23 09:35

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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 • (LCSD) R3898767-2 03/08/23 09:07

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	3.75	3.27	3.24	87.2	86.4	70.0-130			0.922	25
trans-1,2-Dichloroethene	3.75	3.21	3.33	85.6	88.8	70.0-130			3.67	25
Tetrachloroethylene	3.75	3.79	3.70	101	98.7	70.0-130			2.40	25
Trichloroethylene	3.75	3.74	3.54	99.7	94.4	70.0-130			5.49	25
Vinyl chloride	3.75	3.23	3.36	86.1	89.6	70.0-130			3.95	25
(S) 1,4-Bromofluorobenzene				*99.4*	*100*	*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

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	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
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

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

E036

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Req ...cument

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

L1591961

57263

Page: 1 of 1

Section A Required Client Information:

Company: Fehr Graham
Address: 909 N. 8th St, suite 101
Sheboygan, WI 53081
Email To: dplamann@fehrgraham.com
Phone: 9204530700 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dillan Plamann
Copy To: (email)
Purchase Order No.:
Project Name: Bay Towel
Project Number: 21-1121 PH23

Section C Invoice Information:

Attention: Dillan Plamann
Company Name: Fehr Graham
Address: 909 N. 8th St, suite 101
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II. ___ III. ___ IV. ___ Other ___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	'Section D Required Client Information / AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	Residence 24-hr Indoor Air	6LC	0	2/28/23	930	3/1/23	930	-24	2	2755	0348						X				-01
2	Residence SSVS-1 (basement)	6LC	0	2/28/23	1035	2/28/23	1105	-30	-8	3653	2984						X				-02
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Sample Receipt Checklist

		If Applicable	
COC Seal Present/Intact:	Y ___ N	VOA Zero Headspace:	___ N
COC Signed/Accurate:	Y ___ N	Pres.Correct/Check:	___ N
Bottles arrive intact:	Y ___ N		
Correct bottles used:	Y ___ N		
Sufficient volume sent:	Y ___ N		
RAD Screen <0.5 mR/hr:	Y ___ N		

Comments :

FEHGRASWI

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			M. Jarek	3/6/23	1015

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jenna Williams

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 03/01/2023

ORIGINAL

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.

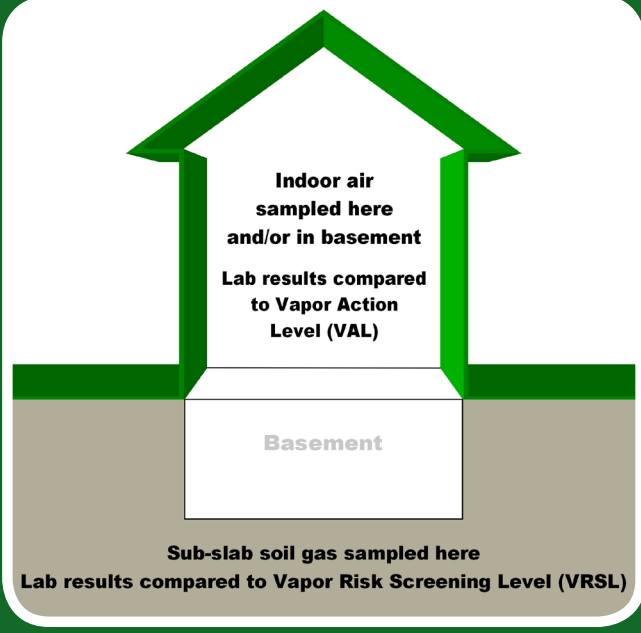
Indoor Air Testing Results

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.



The air and soil gas samples from your property are tested at a laboratory. Chemical concentrations are measured and the results are compared to state health-risk numbers.

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.

Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

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.

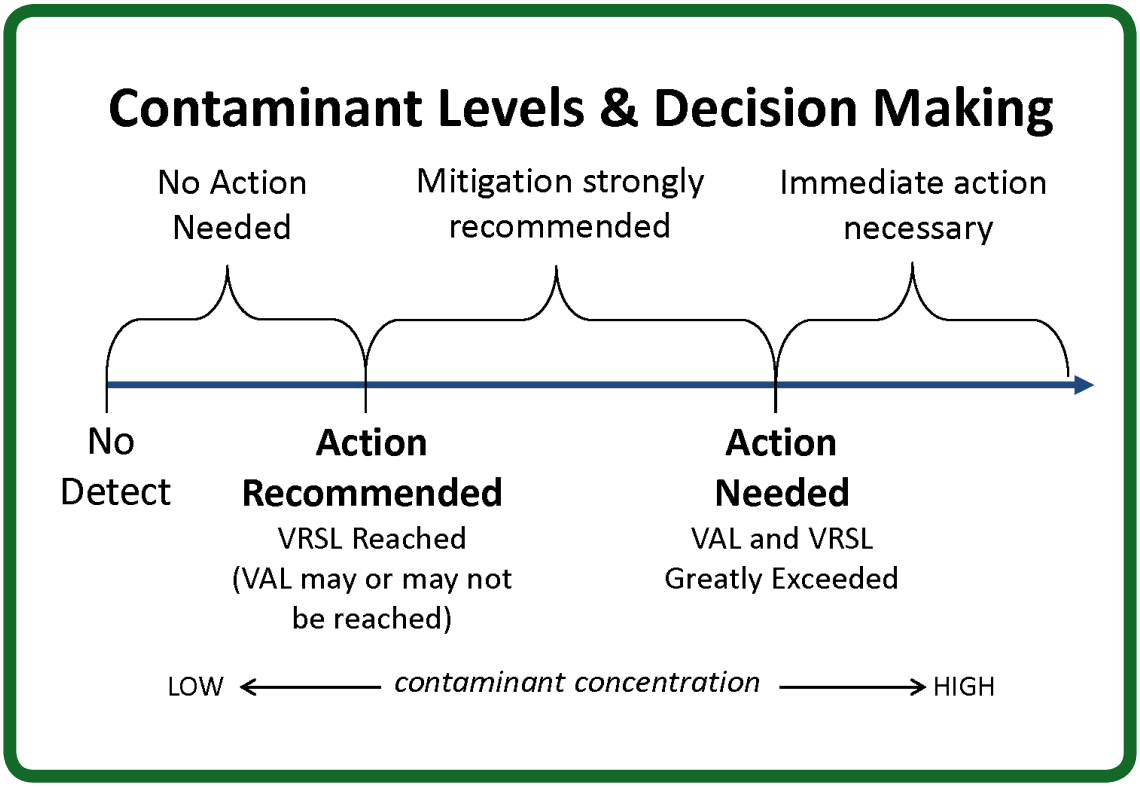
Follow-Up Actions

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.



A Note about Measurement Units: 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 µg/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**

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

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

FEHR GRAHAM 1973 | 2023
JENNA WILLIAMS I EHS Specialist
Fehr Graham I 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
City of Green Bay Fire Station 1
100 N. Jefferson Street
Green Bay, WI 54301

Submitted via email only to: robertgo@greenbaywi.gov

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.

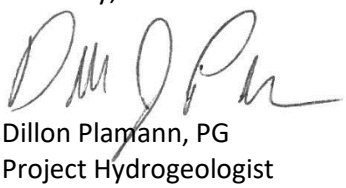
CVOC compounds were detected in vapors at your property. However, based on vapor laboratory analytical results, none of these detections exceed the Residential Sub-Slab and Indoor Air standards established by the Wisconsin Department and Natural Resources (DNR) and the Wisconsin Department of Health 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.

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		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS **Residential** Subslab Vapor VRSL	WDNR / WDHFS **Residential** Indoor Air VAL	Fire Department 24-hr Indoor Air	Fire Department SSVS-1	Fire Department SSVS-2
Sample Date					3/1/23	2/28/23	2/28/23
Sample Location					basement/boiler room	basement/boiler room	cleaner storage room/garage
Type of Sample					indoor air	sub-slab	sub-slab
Collection Method					Composite	Grab	Grab
Time Period of Collection					24-hour	30-min	30-min
Analytical Method					TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated
Method/Result Leak Detection					shut-in/pass	water/pass	water/pass
Tetrachloroethene (PCE)	µg/m^3	N	*1,400*	**42**	<1.36	<1.36	2.32
Trichloroethene (TCE)	µg/m^3	C	*70*	**2.1**	<1.07	<1.07	<1.07
cis-1,2 Dichloroethene	µg/m^3	N	1,400	42.0	<0.793	<0.793	<0.793
trans-1,2 Dichloroethene	µg/m^3	N	1,400	42	<0.793	<0.793	<0.793
Vinyl Chloride	µg/m^3	C	*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/m^3 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		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS **SMALL COMMERCIAL** Subslab Vapor VRSL	WDNR / WDHFS **SMALL COMMERCIAL** Indoor Air VAL	WDNR / WDHFS **Residential** Subslab Vapor VRSL	WDNR / WDHFS **Residential** Indoor Air VAL	24-hr Outdoor Air
Sample Date							2/28/23
Sample Location							SW of 501 S. Washington
Type of Sample							outdoor air
Collection Method							Composite
Time Period of Collection							24-hour
Analytical Method							TO-15 chlorinated
Method/Result Leak Detection							shut-in/pass
Tetrachloroethene (PCE)	µg/m^3	N	*5,800*	**180**	*1,400*	**42**	<1.36
Trichloroethene (TCE)	µg/m^3	C	*290*	**8.8**	*70*	**2.1**	<1.07
cis-1,2 Dichloroethene	µg/m^3	N	*5,800*	**180**	1,400	42.0	<0.793
trans-1,2 Dichloroethene	µg/m^3	N	*5,800*	**180**	1,400	42	<0.793
Vinyl Chloride	µg/m^3	C	*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/m^3 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)

ANALYTICAL REPORT

March 14, 2023

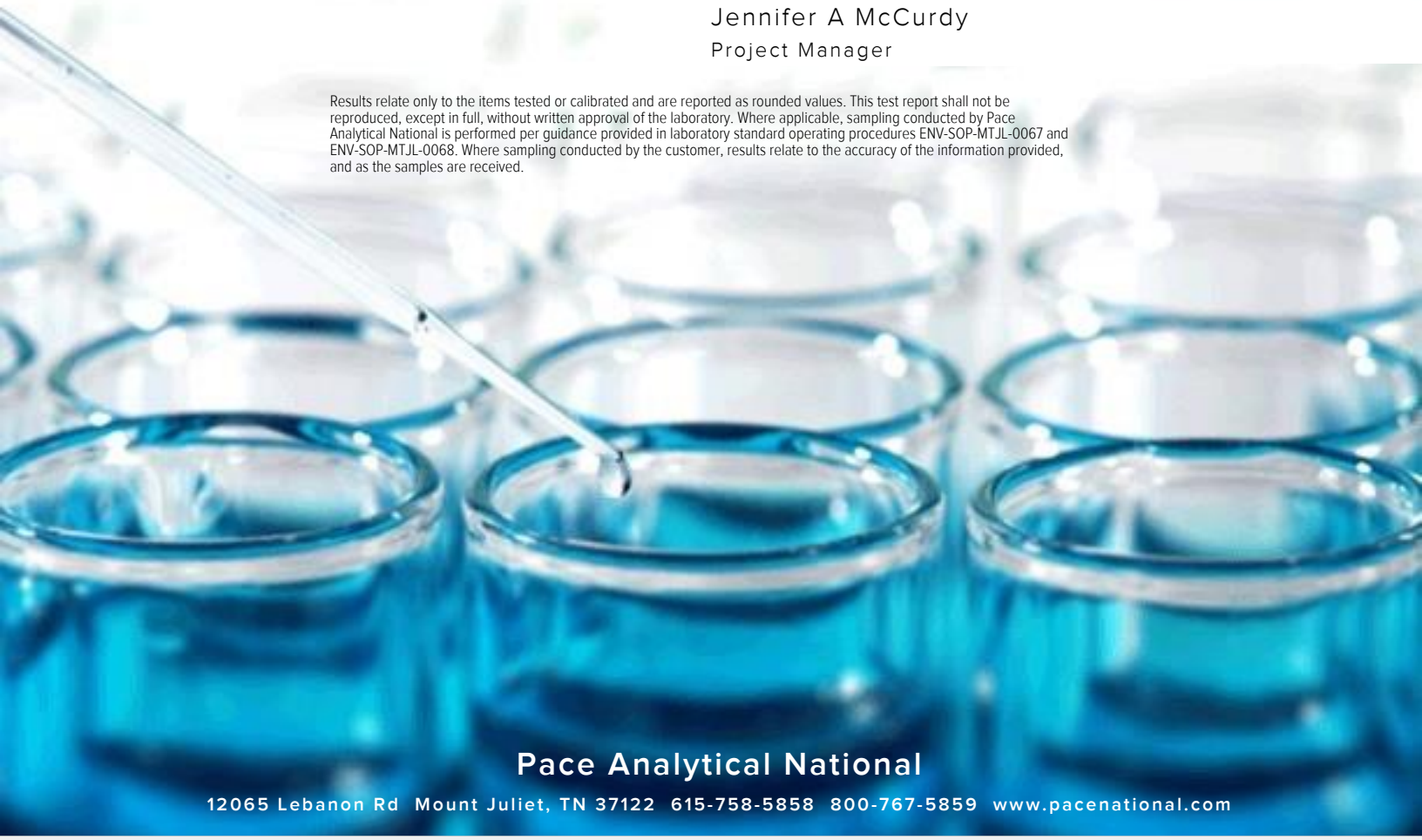
Fehr Graham

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:

Jennifer A McCurdy
Project Manager



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

TABLE OF CONTENTS

SAMPLE SUMMARY

24-HR OUTDOOR AIR L1591959-01 Air

Collected by: Jenna Williams
Collected date/time: 03/01/23 09:01
Received date/time: 03/06/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
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.

Jennifer A McCurdy
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Method Blank (MB)

(MB) R3899619-3 03/10/23 09:27

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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 03/10/23 08:08 • (LCSD) R3899619-2 03/10/23 08:48

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	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
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

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

E035

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www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

L1591959

~~57263~~ (PM)

Page: 1 of 1

Section A Required Client Information:

Company: Fehr Graham
Address: 909 N 8th St, suite 101
Shebygan, WI 53081
Email To: dplamann@fehr graham.com
Phone: 920 453 2020 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dillan Plamann
Copy To: (email)
Purchase Order No.:
Project Name: Bay Terrace 1
Project Number: 21121PH23

Section C Invoice Information:

Attention: Dillan Plamann
Company Name: Fehr Graham
Address: 909 N 8th St, Suite 101
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	24-hr Outdoor Air	6LC	0	2/28/23	901	3/1/23	901	-27	-13	0872	0118						X				-01
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Sample Receipt Checklist

COC Seal Present/Intact:	Y ___ N	If Applicable	
COC Signed/Accurate:	Y ___ N	VOA Zero Headspace:	___ Y ___ N
Bottles arrive intact:	Y ___ N	Pres.Correct/Check:	___ Y ___ N
Correct bottles used:	Y ___ N		
Sufficient volume sent:	Y ___ N		
RAD Screen <0.5 mR/hr:	Y ___ N		

Comments :

FEHGRASWI

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			M. Yaeckle	3/6/23	1045

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joshua Williams

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 03/01/2023

ORIGINAL

ANALYTICAL REPORT

March 15, 2023

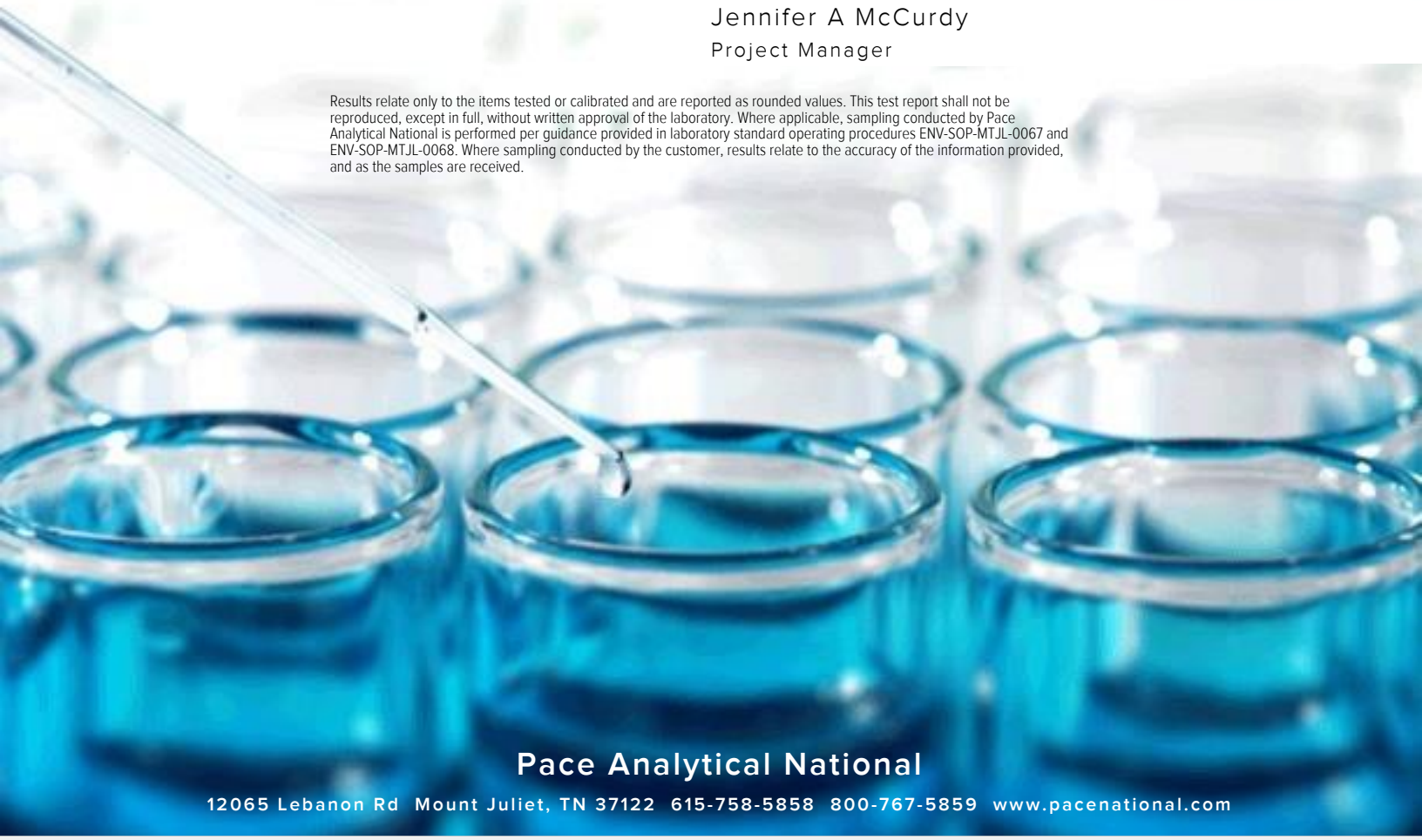
Fehr Graham

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:

Jennifer A McCurdy
Project Manager



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FIRE DEPT. 24-HR INDOOR AIR L1591965-01 Air

Collected by: Jenna Williams
Collected date/time: 03/01/23 09:13
Received date/time: 03/07/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2021781	1	03/12/23 16:38	03/12/23 16:38	CEP	Mt. Juliet, TN

FIRE DEPT. SSVS-1(BASEMENT) L1591965-02 Air

Collected by: Jenna Williams
Collected date/time: 02/28/23 12:07
Received date/time: 03/07/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2021781	1	03/12/23 17:08	03/12/23 17:08	CEP	Mt. Juliet, TN

FIRE DEPT. SSVS-2(GARAGE) L1591965-03 Air

Collected by: Jenna Williams
Collected date/time: 02/28/23 12:35
Received date/time: 03/07/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
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.

Jennifer A McCurdy
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Method Blank (MB)

(MB) R3900699-2 03/12/23 10:01

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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*

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

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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*				

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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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	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
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

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

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www.pacelabs.com

L1591965
E037

AIR: CHAIN-OF-CUSTODY / Analytical

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

~~57263~~

Page: 1 of 1

Section A Required Client Information:

Company: Fehr Graham
Address: 909 N. 8th St., Suite 101, Sheboygan, WI 53081
Email To: dplamann@fehrgraham.com
Phone: 7204530700 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dillan Plamann
Copy To: (email)
Purchase Order No.:
Project Name: Bay Towel
Project Number: 21-1121 PH23

Section C Invoice Information:

Attention: Dillan Plamann
Company Name: Fehr Graham
Address: 909 N. 8th St., Suite 101
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II. ___ III. ___ IV. ___ Other ___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	Fire Dept. 24-hr Indor Air	6LC	0	2/28/23	913	3/1/23	913	-29	-6	3408	1960						X				-01
2	Fire Dept. SSVS-1 (basement)	↓	28 ppb	↓	1137	3/2/23	1207	-30	-7	3523	1600						X				-02
3	Fire Dept. SSVS-2 (garage)		5 ppb		1205	↓	1235	-30	-8.5	1664	0959						X				-03
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments:

FEHGRASM

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				3/6/23	1015

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jana Willis

SIGNATURE of SAMPLER: JW

DATE Signed (MM / DD / YY): 03/01/2023

ORIGINAL

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.

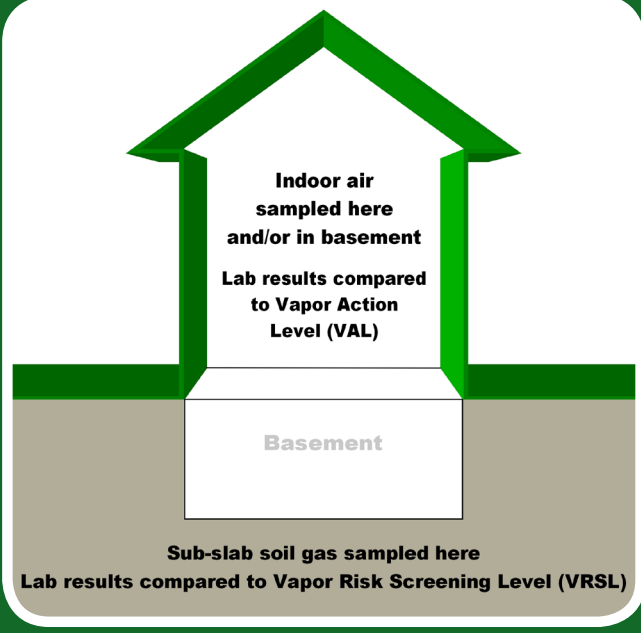
Indoor Air Testing Results

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.



The air and soil gas samples from your property are tested at a laboratory. Chemical concentrations are measured and the results are compared to state health-risk numbers.

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.

Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

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.

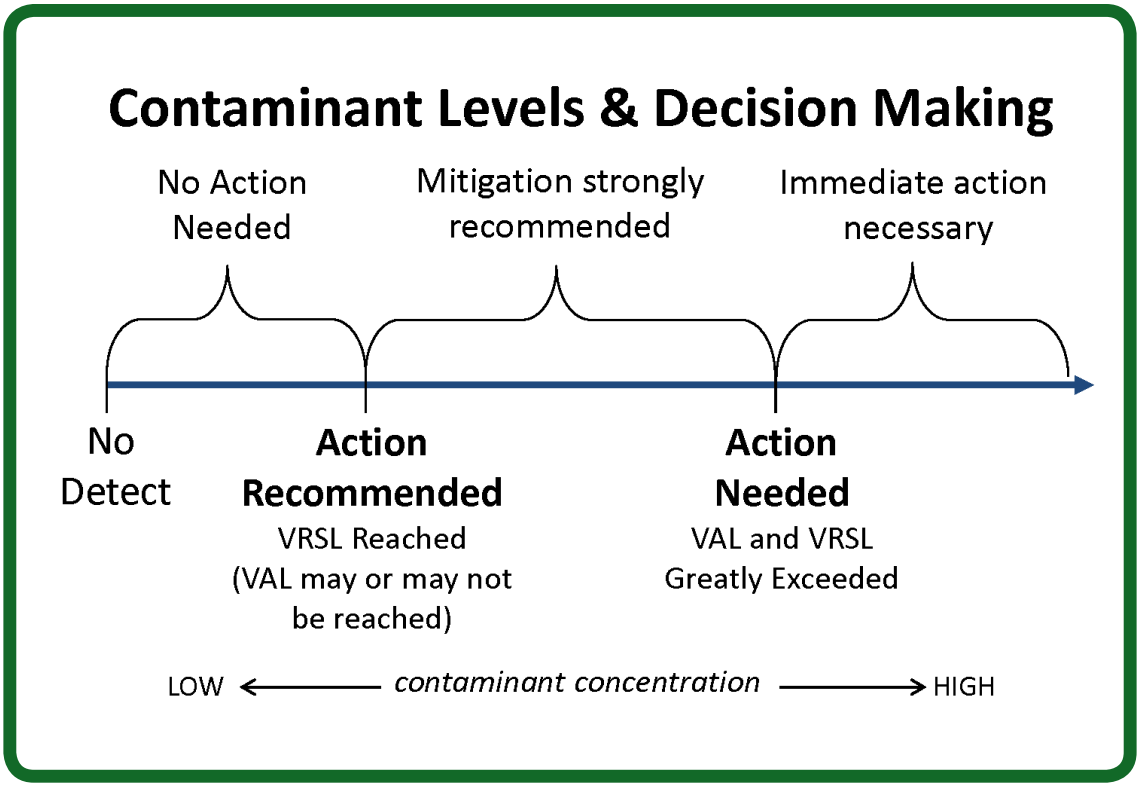
Follow-Up Actions

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.



A Note about Measurement Units: 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 µg/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**

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

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

FEHR GRAHAM 1973 | 2023

JENNA WILLIAMS I EHS Specialist
Fehr Graham I 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
301 N Broadway LLC
1600 Shawano Avenue, Suite 204
Green Bay, WI 54303

Submitted via email only to: kerstenrealty@yahoo.com

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.

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					2/28/23	2/28/23	2/28/23	2/28/23	2/28/23
Sample Location					Prevention Center Office	Room 108	Restroom	Room 106	Room 102
Type of Sample					indoor air	sub-slab	sub-slab	sub-slab	sub-slab
Collection Method					Composite	Grab	Grab	Grab	Grab
Time Period of Collection					8-hour	30-min	30-min	30-min	30-min
Analytical Method					TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated	TO-15 chlorinated
Method/Result Leak Detection					shut-in/pass	water/pass	water/pass	water/pass	water/pass
		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS **SMALL COMMERCIAL** Subslab Vapor VRSL	WDNR / WDHFS **SMALL COMMERCIAL** Indoor Air VAL					
Tetrachloroethene (PCE)	µg/m^3	N	*5,800*	**180**	11.9	168	3,910	2,610	30.6
Trichloroethene (TCE)	µg/m^3	C	*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/m^3	C	*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/m^3 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		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS **SMALL COMMERCIAL** Subslab Vapor VRSL	WDNR / WDHFS **SMALL COMMERCIAL** Indoor Air VAL	WDNR / WDHFS **Residential** Subslab Vapor VRSL	WDNR / WDHFS **Residential** Indoor Air VAL	24-hr Outdoor Air
Sample Date							2/28/23
Sample Location							SW of 501 S. Washington
Type of Sample							outdoor air
Collection Method							Composite
Time Period of Collection							24-hour
Analytical Method							TO-15 chlorinated
Method/Result Leak Detection							shut-in/pass
Tetrachloroethene (PCE)	µg/m^3	N	*5,800*	**180**	*1,400*	**42**	<1.36
Trichloroethene (TCE)	µg/m^3	C	*290*	**8.8**	*70*	**2.1**	<1.07
cis-1,2 Dichloroethene	µg/m^3	N	*5,800*	**180**	1,400	42.0	<0.793
trans-1,2 Dichloroethene	µg/m^3	N	*5,800*	**180**	1,400	42	<0.793
Vinyl Chloride	µg/m^3	C	*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/m^3 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)

ANALYTICAL REPORT

March 14, 2023

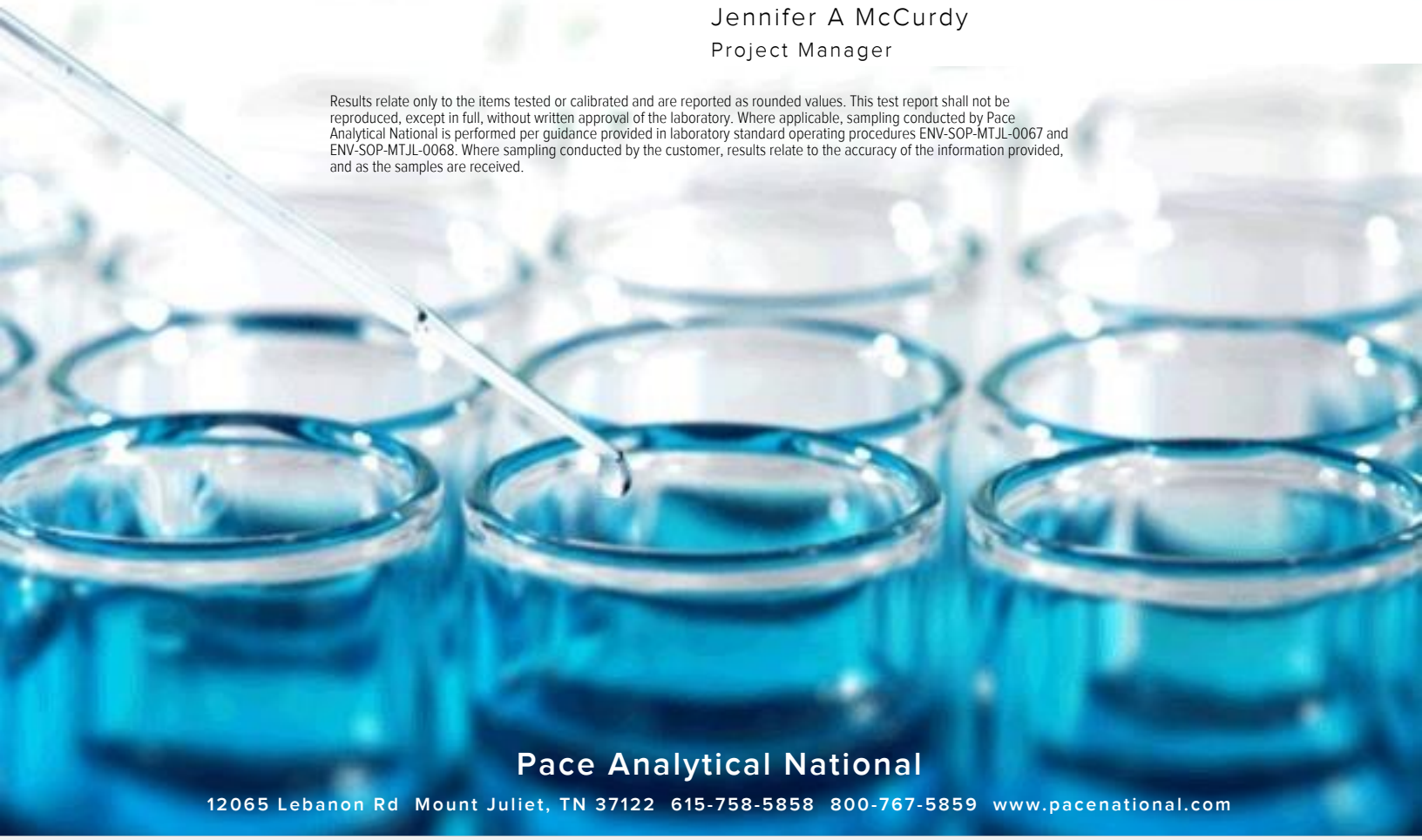
Fehr Graham

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:

Jennifer A McCurdy
Project Manager



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

TABLE OF CONTENTS

SAMPLE SUMMARY

24-HR OUTDOOR AIR L1591959-01 Air

Collected by: Jenna Williams
Collected date/time: 03/01/23 09:01
Received date/time: 03/06/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
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.

Jennifer A McCurdy
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Method Blank (MB)

(MB) R3899619-3 03/10/23 09:27

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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 03/10/23 08:08 • (LCSD) R3899619-2 03/10/23 08:48

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	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
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

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

E035

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

L1591959

~~57263~~ (PM)

Page: 1 of 1

Section A Required Client Information:

Company: Fehr Graham
Address: 909 N 8th St, suite 101
Shebygan, WI 53081
Email To: dplamann@fehr graham.com
Phone: 920 453 2020 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dillan Plamann
Copy To: (email)
Purchase Order No.:
Project Name: Bay Terrace 1
Project Number: 21121PH23

Section C Invoice Information:

Attention: Dillan Plamann
Company Name: Fehr Graham
Address: 909 N 8th St, Suite 101
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	24-hr Outdoor Air	6LC	0	2/28/23	901	3/1/23	901	-27	-13	0872	0118						X				-01
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Sample Receipt Checklist

COC Seal Present/Intact:	Y ___ N	If Applicable	
COC Signed/Accurate:	Y ___ N	VOA Zero Headspace:	___ Y ___ N
Bottles arrive intact:	Y ___ N	Pres.Correct/Check:	___ Y ___ N
Correct bottles used:	Y ___ N		
Sufficient volume sent:	Y ___ N		
RAD Screen <0.5 mR/hr:	Y ___ N		

Comments :

FEHGRASWI

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			M. Yaeckle	3/6/23	1045

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joshua Williams

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 03/01/2023

ORIGINAL

ANALYTICAL REPORT

March 15, 2023

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

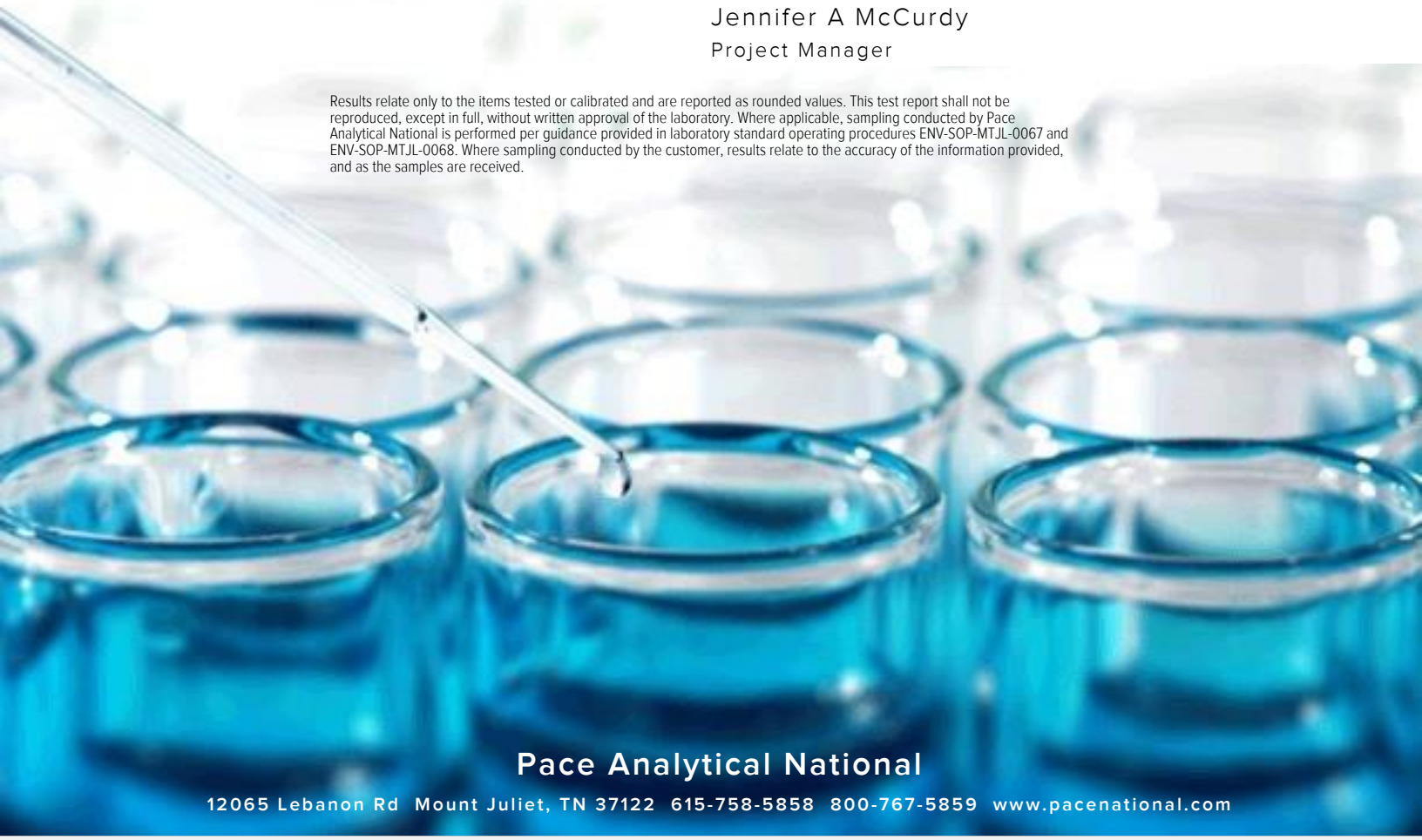
Fehr Graham

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

Entire Report Reviewed By:

Jennifer A McCurdy
Project Manager



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

TABLE OF CONTENTS

CLINIC 8-HR INDOOR AIR L1591960-01 Air

Collected by: Jenna Williams | Collected date/time: 02/28/23 16:30 | Received date/time: 03/07/23 10:15

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 date/time: 03/07/23 10:15

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 date/time: 03/07/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2020807	1	03/10/23 13:00	03/10/23 13:00	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2021784	20	03/12/23 14:21	03/12/23 14:21	DBB	Mt. Juliet, TN

CLINIC SSVS-3 (RM-106) L1591960-04 Air

Collected by: Jenna Williams | Collected date/time: 02/28/23 15:08 | Received date/time: 03/07/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2020807	1	03/10/23 13:28	03/10/23 13:28	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2021784	20	03/12/23 14:58	03/12/23 14:58	DBB	Mt. Juliet, TN

CLINIC SSVS-4 (RM-102) L1591960-05 Air

Collected by: Jenna Williams | Collected date/time: 02/28/23 15:30 | Received date/time: 03/07/23 10:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2021565	1	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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
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

Method Blank (MB)

(MB) R3899971-3 03/10/23 09:42

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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*

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

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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-Bromofluorobenzene				*98.8*	*100*	*60.0-140*				

Method Blank (MB)

(MB) R3900723-2 03/11/23 11:59

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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 03/11/23 11:18 • (LCSD) R3900723-3 03/11/23 12:41

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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
Tetrachloroethylene	3.75	4.15	4.23	111	113	70.0-130			1.91	25
Trichloroethylene	3.75	3.87	3.94	103	105	70.0-130			1.79	25
Vinyl chloride	3.75	3.83	3.94	102	105	70.0-130			2.83	25
(S) 1,4-Bromofluorobenzene				*93.6*	*93.3*	*60.0-140*				

Method Blank (MB)

(MB) R3900244-3 03/12/23 10:04

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Tetrachloroethylene	U		0.0814	0.200
Trichloroethylene	U		0.0680	0.200
(S) 1,4-Bromofluorobenzene	*105*			*60.0-140*

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

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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*				

Method Blank (MB)

(MB) R3900821-2 03/12/23 09:48

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL 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 03/12/23 09:20 • (LCSD) R3900821-3 03/12/23 10:48

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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				*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

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	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	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
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

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

E038

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

L1591960

57263

Page: 1 of 1

Section A Required Client Information:

Company: Fehr Graham
Address: 909 N. 8th St, Suite 101
Sheboygan, WI 53081
Email To: dplamann@fehrgraham.com
Phone: 920 453 0700 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dillan Plamann
Copy To: (email)
Purchase Order No.:
Project Name: Bay Towel
Project Number: 21-1121 PH23

Section C Invoice Information:

Attention: Dillan Plamann
Company Name: Fehr Graham
Address: 909 N. 8th St, Suite 101
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ mg/m³ PPBV PPMV Other

Report Level II. III. IV. Other

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	Clinic 8-hr Indoor Air	6LC	0	2/28/23	830	2/28/23	1630	-29	-5	3326	0138							X			-01
2	Clinic SSVS-1 (Rm. 108)		4.6 ppm		1332		1402	-30	-13	3903	1631							X			-02
3	Clinic SSVS-2 (Restroom)		2.4 ppm		1359		1429	-30	-9	2131	2906							X			-03
4	Clinic SSVS-3 (Rm. 106)		1.2 ppm		1438		1508	-30	-8	1232	1192							X			-04
5	Clinic SSVS-4 (Rm. 102)		1.3 ppm		1500		1530	-32	-10	2138	2830							X			-05
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

FEHGRASW1

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				3-6-23	1015

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jenna Williams

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 03/01/2023

ORIGINAL

Instructions for completing Chain of Custody (COC)

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 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 appear on the report.

2. **Section C:** Invoice Information: Billing information is included in this section. This information should include the name and address of the person receiving the invoice.

3. Quote Reference should be completed if a quotation was provided by Pace Analytical. The Project Manager, and Profile No. will be completed by Pace Analytical Services.

4. **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 samples were collected.

5. **Regulatory Agency:** List the program that is guiding the work to ensure proper regulations are followed.

6. **Section D:** Complete a Sample Description in the "SAMPLE ID' section as you would like it to appear on the laboratory report. The following information should also be included: the sample matrix, sample type (G (grab) or C (composite). When collecting a composite, the start time and end time should be documented in the respective boxes. The collection time for a grab (G) sample should be entered in the boxes marked 'Composite End/Grab'), Sample temp at collection (if required by state), the total number of containers, and preservative used.

7. Mark if the sample was filtered in the field by marking Y or N in 'Filtered' row by the Analysis requested.

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 analysis. Additional comments should be referenced in the bottom left hand corner or include attachments for extended lists of parameters.

9. 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 the spaces designated for 'SAMPLER NAME AND SIGNATURE'.

10. When relinquishing custody of the samples to a representative of the laboratory or other organization, indicate the Item Numbers of those samples being transferred; sign relinquished by, date and time, and include your affiliation.

***Important Note:**

Standard Turnaround Time is 2 Weeks/10 business days. Results will be delivered by end of business on the date due unless other arrangements have been made with your project manager.

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 Comments section.

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.

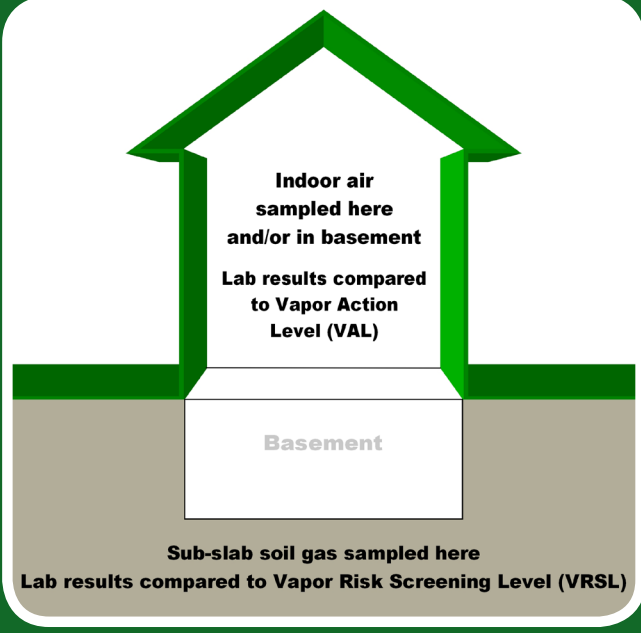
Indoor Air Testing Results

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.



The air and soil gas samples from your property are tested at a laboratory. Chemical concentrations are measured and the results are compared to state health-risk numbers.

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.

Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

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.

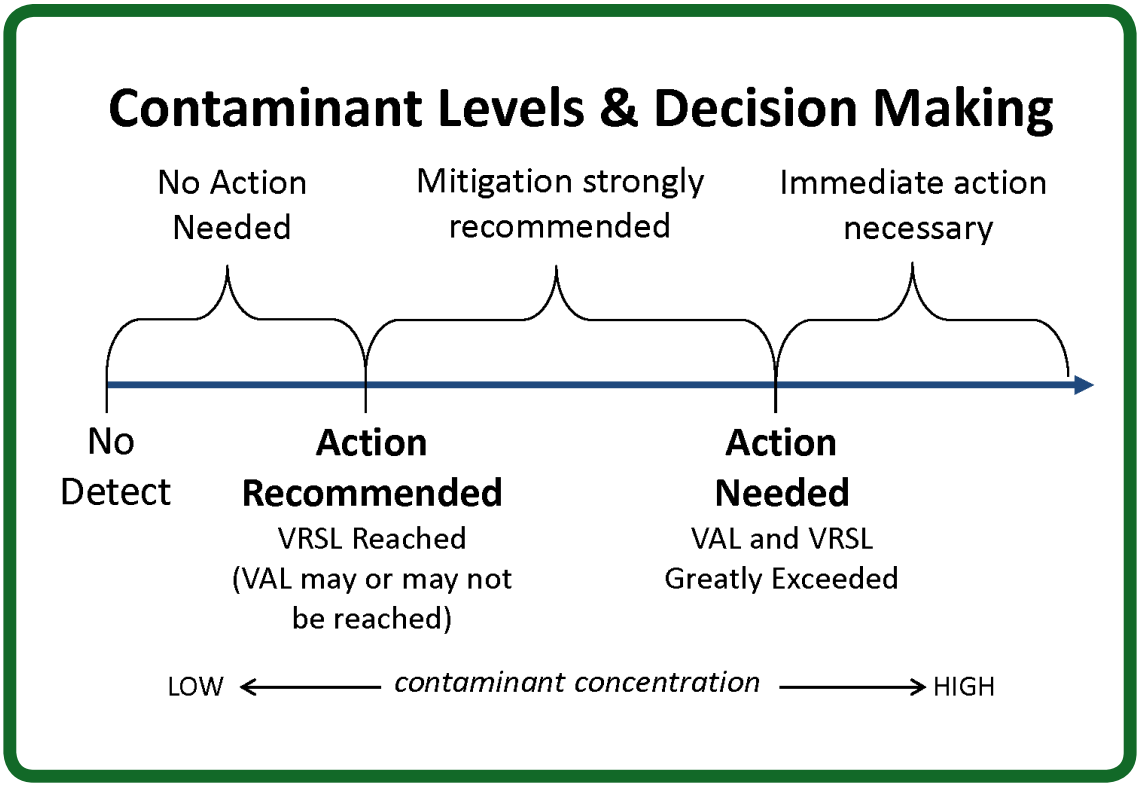
Follow-Up Actions

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.



A Note about Measurement Units: 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 µg/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**