

November 2, 2023
File No. 25222269.04

Kimberly Dillenburg
1427 South 95th Street
West Allis, WI 53214

Subject: Sample Results Notification – **Contaminants Not Detected**
1427 South 95th Street – Sub-Slab Vapor and Indoor Air
WDNR Badger Lease & Auto Sales Case
BRRTS No. 02-41-305222

Dear Kimberly:

On behalf of the Wisconsin Department of Natural Resources (WDNR) through the Vapor Intrusion Zone Contract (VIZC), SCS Engineers (SCS) is providing sample results for sub-slab vapor and indoor air samples which were collected from your property by SCS between September 26, 2023, and October 3, 2023. The approximate sample locations are shown on the attached map (**Figure 1**). The samples were submitted to Beacon Environmental of Forest Hill, Maryland, for analysis of five specific chlorinated volatile organic compounds (CVOCs): tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride.

The sample laboratory reports are included as **Attachment A**. The five CVOCs constituents analyzed were not detected in the samples collected at your property. Please note that only samples “05E_IAB_05_20231003,” “05E_IA1_06_20231003,” “05E_SSV_05_20231003,” and “05E_SSV_06_20231003” listed in the laboratory analytical reports are applicable to your property. Please disregard other samples listed in the reports.

Two additional sampling events are planned for your property to evaluate potential variability of sub-slab vapor and indoor air concentrations. SCS will contact you in advance of these additional events to schedule access.

Once the final sampling event is completed, a final report with these findings will be prepared and submitted to the WDNR and listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW). Please contact Joseph Martinez of WDNR at (414) 218-6042 or joseph.martinez@wisconsin.gov if you have questions concerning the analytical results.

Sincerely,



Robert Langdon
Senior Project Manager
SCS Engineers



Jacob Krause, PG
Hydrogeologist
SCS Engineers



Kimberly Dillenberg
November 2, 2023
Page 2

REL/jsn/JJK

cc: Joseph Martinez, WDNR
Jennifer Borski, WDNR
Nathan Kloczko, DHS

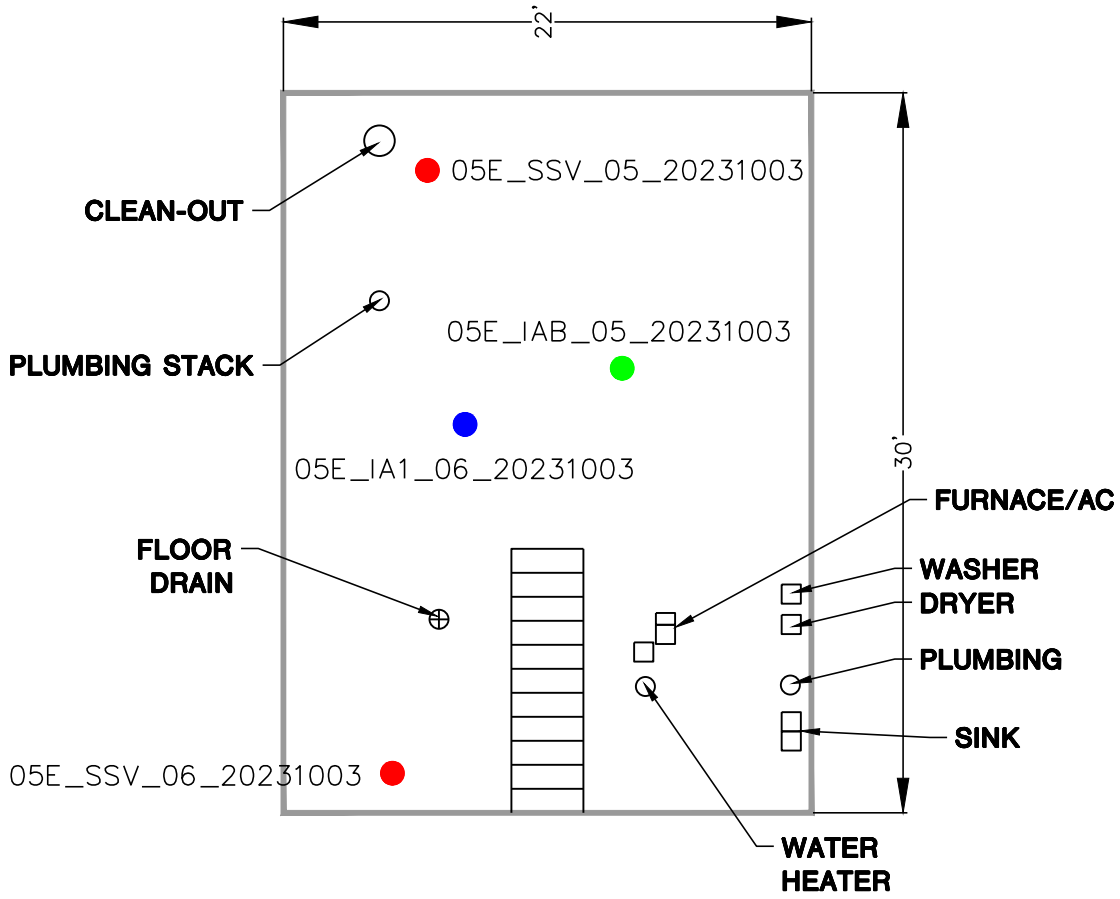
Attachments: Figure 1 - Vapor Investigation Map
Attachment A - Laboratory Report

I:\25222269.00\25222269.04 Badger Lease & Auto\Deliverables\Results Notification Letters\231102_1427 S 95th St
Results\231102_Dillenberg_Sub-Slab Vapor and Indoor Air Results.docx

Figure 1
Vapor Investigation Map


S 95TH St.

BASEMENT LEVEL



LEGEND

- APPROXIMATE SUB-SLAB SAMPLE LOCATION
- APPROXIMATE BASEMENT INDOOR AIR SAMPLE LOCATION
- APPROXIMATE 1ST FLOOR INDOOR AIR SAMPLE LOCATION

CLIENT  WISCONSIN DEPARTMENT OF NATURAL RESOURCES	SITE 1427 S 95th STREET RESIDENCE	ENGINEER SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	VAPOR INVESTIGATION MAP
			FIGURE 1
PROJECT NO. 25222269.04	DRAWN BY: SB		
DRAWN: 09/12/2023	CHECKED BY: JJK		
REVISED: 10/24/2023	APPROVED BY: REL		

Appendix A
Laboratory Report



Beacon Environmental

2203A Commerce Road, Suite 1

Forest Hill, MD 21050 USA

1.410.838.8780

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 230920R04

Laboratory Work Order: 0007239

Project Description:

Badger Lease and Auto Sales

West Allis, WI

Client PO No.: 25222269.04-001

Prepared for:

Jacob Krause

SCS Engineers

2830 Dairy Drive

Madison, WI 53718-6751

Ryan W. Schneider
Senior Project Manager

October 19, 2023

All data meet requirements as specified in the Beacon Environmental Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2017. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Quality Manager

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SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007239-01 Sampler Type:	05C_SSV_01_20231003 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007239-02 Sampler Type:	05C_SSV_02_20231003 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007239-03 Sampler Type:	05D_SSV_03_20231003 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007239-04 Sampler Type:	05D_SSV_04_20231003 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007239-05 Sampler Type:	05E_SSV_05_20231003 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007239-06 Sampler Type:	05E_SSV_06_20231003 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas

Project Completeness

Samples Received: 6
Samples Analyzed: 6

SCS Engineers
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Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Case Narrative

U.S. EPA Method 8260C

All samples were analyzed using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260C, with laboratory results provided in nanograms (ng) and micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Laboratory QA/QC procedures included internal standards, surrogates, and blanks based on EPA Method 8260C. Analyses and reporting were under BEACON's Quality Assurance Project Plan.

Passive Soil-Gas Survey Notes

If sample locations are covered with or near the edge of an impervious surface (*e.g.*, asphalt or concrete), the concentrations of compounds in soil gas are higher than if the surfacing was not present. Therefore, the sample location conditions should be considered when comparing results between locations.

Survey findings are exclusive to this project and when the spatial relationships are compared with results of other BEACON Surveys it is necessary to incorporate information from both investigations (*e.g.*, depth to sources, soil types, porosity, soil moisture, presence of impervious surfacing, sample collection times).

Reporting Limits

The RLs represent a baseline above which results meet laboratory-determined limits of precision and accuracy. All reported results are within the calibration range. The project method quantitation limit (MQL) is the limit of quantitation (LOQ) as noted in the data tables. Beacon determined uptake rates for a suite of compounds with the Beacon sampler for sampling in air. Beacon calculated the uptake rates for the remaining compounds using Graham's Law of Diffusion. The reported data includes LOQ limits.

Project Details

Samples were received in proper condition and laboratory control parameters were met unless otherwise noted below. The work performed was in accordance with ISO/IEC 17025:2017.

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Lab Work Order: 0007239
Reported: 10/19/2023

Analytical Results

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007239-02	05C_SSV_02_20231003	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	27		5.936	10	C23101113.D

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Reported: 10/19/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007239-02	05C_SSV_02_20231003	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	6.38		5.936	2.39	C23101113.D

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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Data Summary Table- Mass

Compound	Frequency	LOQ (ng)	Max Value (ng)
Tetrachloroethene	1	10	27

SCS Engineers
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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Data Summary Table- Concentration

Compound	Frequency	LOQ ($\mu\text{g}/\text{m}^3$)	Max Value ($\mu\text{g}/\text{m}^3$)
Tetrachloroethene	1	2.39	6.38

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Lab Work Order: 0007239
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Detailed Analytical Results

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Detailed Analytical Results- Mass

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-01

05C_SSV_01_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	10/11/2023 17:18	C23101112.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	10/11/2023 17:18	C23101112.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	10/11/2023 17:18	C23101112.D	
Trichloroethene	79-01-6	<10	10	10/11/2023 17:18	C23101112.D	
Tetrachloroethene	127-18-4	<10	10	10/11/2023 17:18	C23101112.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	99.0%	70-130		10/11/2023 17:18	C23101112.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130		10/11/2023 17:18	C23101112.D
Surrogate: Bromofluorobenzene	460-00-4	97.4%	70-130		10/11/2023 17:18	C23101112.D

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Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-02

05C_SSV_02_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	10/11/2023 17:46	C23101113.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	10/11/2023 17:46	C23101113.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	10/11/2023 17:46	C23101113.D	
Trichloroethene	79-01-6	<10	10	10/11/2023 17:46	C23101113.D	
Tetrachloroethene	127-18-4	27	10	10/11/2023 17:46	C23101113.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	94.1%	70-130		10/11/2023 17:46	C23101113.D
Surrogate: Toluene-d8	2037-26-5	95.0%	70-130		10/11/2023 17:46	C23101113.D
Surrogate: Bromofluorobenzene	460-00-4	100%	70-130		10/11/2023 17:46	C23101113.D

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Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-03

05D_SSV_03_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	10/11/2023 18:15	C23101114.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	10/11/2023 18:15	C23101114.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	10/11/2023 18:15	C23101114.D	
Trichloroethene	79-01-6	<10	10	10/11/2023 18:15	C23101114.D	
Tetrachloroethene	127-18-4	<10	10	10/11/2023 18:15	C23101114.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	91.6%	70-130		10/11/2023 18:15	C23101114.D
Surrogate: Toluene-d8	2037-26-5	94.8%	70-130		10/11/2023 18:15	C23101114.D
Surrogate: Bromofluorobenzene	460-00-4	99.1%	70-130		10/11/2023 18:15	C23101114.D

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-04

05D_SSV_04_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	10/11/2023 18:44	C23101115.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	10/11/2023 18:44	C23101115.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	10/11/2023 18:44	C23101115.D	
Trichloroethene	79-01-6	<10	10	10/11/2023 18:44	C23101115.D	
Tetrachloroethene	127-18-4	<10	10	10/11/2023 18:44	C23101115.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	86.3%	70-130		10/11/2023 18:44	C23101115.D
Surrogate: Toluene-d8	2037-26-5	93.0%	70-130		10/11/2023 18:44	C23101115.D
Surrogate: Bromofluorobenzene	460-00-4	105%	70-130		10/11/2023 18:44	C23101115.D

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-05

05E_SSV_05_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	10/11/2023 19:13	C23101116.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	10/11/2023 19:13	C23101116.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	10/11/2023 19:13	C23101116.D	
Trichloroethene	79-01-6	<10	10	10/11/2023 19:13	C23101116.D	
Tetrachloroethene	127-18-4	<10	10	10/11/2023 19:13	C23101116.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	99.1%	70-130		10/11/2023 19:13	C23101116.D
Surrogate: Toluene-d8	2037-26-5	93.4%	70-130		10/11/2023 19:13	C23101116.D
Surrogate: Bromofluorobenzene	460-00-4	97.9%	70-130		10/11/2023 19:13	C23101116.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-06

05E_SSV_06_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng) Q	LOQ (ng)	Analyzed	File ID	
Vinyl Chloride	75-01-4	<10	10	10/11/2023 19:39	C23101117.D	
trans-1,2-Dichloroethene	156-60-5	<10	10	10/11/2023 19:39	C23101117.D	
cis-1,2-Dichloroethene	156-59-2	<10	10	10/11/2023 19:39	C23101117.D	
Trichloroethene	79-01-6	<10	10	10/11/2023 19:39	C23101117.D	
Tetrachloroethene	127-18-4	<10	10	10/11/2023 19:39	C23101117.D	
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	88.5%	70-130		10/11/2023 19:39	C23101117.D
Surrogate: Toluene-d8	2037-26-5	92.0%	70-130		10/11/2023 19:39	C23101117.D
Surrogate: Bromofluorobenzene	460-00-4	94.3%	70-130		10/11/2023 19:39	C23101117.D

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Detailed Analytical Results- Concentration

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-01

05C_SSV_01_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result ($\mu\text{g}/\text{m}^3$)	Q	LOQ ($\mu\text{g}/\text{m}^3$)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.21		1.21	10/11/2023 17:18	C23101112.D
trans-1,2-Dichloroethene	156-60-5	<2.23		2.23	10/11/2023 17:18	C23101112.D
cis-1,2-Dichloroethene	156-59-2	<1.85		1.85	10/11/2023 17:18	C23101112.D
Trichloroethene	79-01-6	<2.97		2.97	10/11/2023 17:18	C23101112.D
Tetrachloroethene	127-18-4	<2.39		2.39	10/11/2023 17:18	C23101112.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	99.0%	70-130		10/11/2023 17:18	C23101112.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130		10/11/2023 17:18	C23101112.D
Surrogate: Bromofluorobenzene	460-00-4	97.4%	70-130		10/11/2023 17:18	C23101112.D

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Site Name: Badger Lease and Auto Sales
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Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-02

05C_SSV_02_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.21		1.21	10/11/2023 17:46	C23101113.D
trans-1,2-Dichloroethene	156-60-5	<2.23		2.23	10/11/2023 17:46	C23101113.D
cis-1,2-Dichloroethene	156-59-2	<1.85		1.85	10/11/2023 17:46	C23101113.D
Trichloroethene	79-01-6	<2.97		2.97	10/11/2023 17:46	C23101113.D
Tetrachloroethene	127-18-4	6.38		2.39	10/11/2023 17:46	C23101113.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	94.1%	70-130		10/11/2023 17:46	C23101113.D
Surrogate: Toluene-d8	2037-26-5	95.0%	70-130		10/11/2023 17:46	C23101113.D
Surrogate: Bromofluorobenzene	460-00-4	100%	70-130		10/11/2023 17:46	C23101113.D

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-03

05D_SSV_03_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.23		1.23	10/11/2023 18:15	C23101114.D
trans-1,2-Dichloroethene	156-60-5	<2.26		2.26	10/11/2023 18:15	C23101114.D
cis-1,2-Dichloroethene	156-59-2	<1.87		1.87	10/11/2023 18:15	C23101114.D
Trichloroethene	79-01-6	<3.01		3.01	10/11/2023 18:15	C23101114.D
Tetrachloroethene	127-18-4	<2.42		2.42	10/11/2023 18:15	C23101114.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	91.6%	70-130		10/11/2023 18:15	C23101114.D
Surrogate: Toluene-d8	2037-26-5	94.8%	70-130		10/11/2023 18:15	C23101114.D
Surrogate: Bromofluorobenzene	460-00-4	99.1%	70-130		10/11/2023 18:15	C23101114.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-04

05D_SSV_04_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.23		1.23	10/11/2023 18:44	C23101115.D
trans-1,2-Dichloroethene	156-60-5	<2.26		2.26	10/11/2023 18:44	C23101115.D
cis-1,2-Dichloroethene	156-59-2	<1.88		1.88	10/11/2023 18:44	C23101115.D
Trichloroethene	79-01-6	<3.01		3.01	10/11/2023 18:44	C23101115.D
Tetrachloroethene	127-18-4	<2.43		2.43	10/11/2023 18:44	C23101115.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	86.3%	70-130		10/11/2023 18:44	C23101115.D
Surrogate: Toluene-d8	2037-26-5	93.0%	70-130		10/11/2023 18:44	C23101115.D
Surrogate: Bromofluorobenzene	460-00-4	105%	70-130		10/11/2023 18:44	C23101115.D

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-05

05E_SSV_05_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m ³)	Q	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.24		1.24	10/11/2023 19:13	C23101116.D
trans-1,2-Dichloroethene	156-60-5	<2.29		2.29	10/11/2023 19:13	C23101116.D
cis-1,2-Dichloroethene	156-59-2	<1.90		1.90	10/11/2023 19:13	C23101116.D
Trichloroethene	79-01-6	<3.05		3.05	10/11/2023 19:13	C23101116.D
Tetrachloroethene	127-18-4	<2.45		2.45	10/11/2023 19:13	C23101116.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	99.1%	70-130		10/11/2023 19:13	C23101116.D
Surrogate: Toluene-d8	2037-26-5	93.4%	70-130		10/11/2023 19:13	C23101116.D
Surrogate: Bromofluorobenzene	460-00-4	97.9%	70-130		10/11/2023 19:13	C23101116.D

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Lab Sample ID: 0007239-06

05E_SSV_06_20231003

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.24		1.24	10/11/2023 19:39	C23101117.D
trans-1,2-Dichloroethene	156-60-5	<2.29		2.29	10/11/2023 19:39	C23101117.D
cis-1,2-Dichloroethene	156-59-2	<1.90		1.90	10/11/2023 19:39	C23101117.D
Trichloroethene	79-01-6	<3.05		3.05	10/11/2023 19:39	C23101117.D
Tetrachloroethene	127-18-4	<2.45		2.45	10/11/2023 19:39	C23101117.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	88.5%	70-130		10/11/2023 19:39	C23101117.D
Surrogate: Toluene-d8	2037-26-5	92.0%	70-130		10/11/2023 19:39	C23101117.D
Surrogate: Bromofluorobenzene	460-00-4	94.3%	70-130		10/11/2023 19:39	C23101117.D

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

QC Information/Summary

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary
Sequence: B23H047 - Instrument: C System - File ID: AC23080219.D
B23H047-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	48.8	10	ng	50.0		97.7	70-130			
trans-1,2-Dichloroethene	52.2	10	ng	50.0		104	70-130			
cis-1,2-Dichloroethene	56.1	10	ng	50.0		112	70-130			
Trichloroethene	57.8	10	ng	50.0		116	70-130			
Tetrachloroethene	63.1	10	ng	50.0		126	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>57.4</i>		<i>ng</i>	<i>100</i>		<i>57.4+</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>57.8</i>		<i>ng</i>	<i>100</i>		<i>57.8+</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>54.1</i>		<i>ng</i>	<i>100</i>		<i>54.1+</i>	<i>70-130</i>			

SCS Engineers
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Site Name: Badger Lease and Auto Sales
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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary
Sequence: B23H047 - Instrument: C System - File ID: AC23080220.D
B23H047-ICB1 (Lab Blank/Initial Calibration Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Trichloroethene	5.3	10	ng							
Tetrachloroethene	5.1	10	ng							
<i>Surrogate: 1,2-DCA-d4</i>	<i>106</i>		<i>ng</i>	<i>100</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>104</i>		<i>ng</i>	<i>100</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>92.4</i>		<i>ng</i>	<i>100</i>		<i>92.4</i>	<i>70-130</i>			

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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23J034 - Batch: 23J0033 - Instrument: C System - File ID: C23101102.D

23J0033-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	59.9	10	ng	50.0		120	80-120			
trans-1,2-Dichloroethene	55.8	10	ng	50.0		112	80-120			
cis-1,2-Dichloroethene	57.4	10	ng	50.0		115	80-120			
Trichloroethene	57.9	10	ng	50.0		116	80-120			
Tetrachloroethene	46.8	10	ng	50.0		93.6	80-120			
<i>Surrogate: 1,2-DCA-d4</i>	<i>59.4</i>		<i>ng</i>	<i>50.0</i>		<i>119</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.1</i>		<i>ng</i>	<i>50.0</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>50.0</i>		<i>ng</i>	<i>50.0</i>		<i>100</i>	<i>70-130</i>			

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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary
Sequence: B23J034 - Batch: 23J0033 - Instrument: C System - File ID: C23101103.D
23J0033-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<1.21	1.21	µg/m ³							U
trans-1,2-Dichloroethene	<2.23	2.23	µg/m ³							U
cis-1,2-Dichloroethene	<1.85	1.85	µg/m ³							U
Trichloroethene	<2.97	2.97	µg/m ³							U
Tetrachloroethene	<2.39	2.39	µg/m ³							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>100</i>		<i>ng</i>	<i>100</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>99.7</i>		<i>ng</i>	<i>100</i>		<i>99.7</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>95.1</i>		<i>ng</i>	<i>100</i>		<i>95.1</i>	<i>70-130</i>			

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary
Sequence: B23J034 - Batch: 23J0033 - Instrument: C System - File ID: C23101103.D
23J0033-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Trichloroethene	<5	10	ng							U
Tetrachloroethene	<5	10	ng							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>100</i>		<i>ng</i>	<i>100</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>99.7</i>		<i>ng</i>	<i>100</i>		<i>99.7</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>95.1</i>		<i>ng</i>	<i>100</i>		<i>95.1</i>	<i>70-130</i>			

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary
Sequence: B23J034 - Instrument: C System - File ID: C23101104.D
B23J034-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	57.2	10	ng	50.0		114	70-130			
trans-1,2-Dichloroethene	46.9	10	ng	50.0		93.8	70-130			
cis-1,2-Dichloroethene	49.7	10	ng	50.0		99.4	70-130			
Trichloroethene	49.7	10	ng	50.0		99.4	70-130			
Tetrachloroethene	47.6	10	ng	50.0		95.1	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>48.2</i>		<i>ng</i>	<i>50.0</i>		<i>96.3</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.8</i>		<i>ng</i>	<i>50.0</i>		<i>99.5</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>46.9</i>		<i>ng</i>	<i>50.0</i>		<i>93.8</i>	<i>70-130</i>			

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Additional QC Information

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007239-01 Sample Name: 05C_SSV_01_20231003

Vinyl Chloride	10,210	1.00	0.810	U	U	C23101112.D
trans-1,2-Dichloroethene	10,210	1.00	0.440	U	U	C23101112.D
cis-1,2-Dichloroethene	10,210	1.00	0.530	U	U	C23101112.D
Trichloroethene	10,210	1.00	0.330	U	U	C23101112.D
Tetrachloroethene	10,210	1.00	0.410	U	U	C23101112.D

Lab ID: 0007239-02 Sample Name: 05C_SSV_02_20231003

Vinyl Chloride	10,203	1.00	0.810	U	U	C23101113.D
trans-1,2-Dichloroethene	10,203	1.00	0.440	U	U	C23101113.D
cis-1,2-Dichloroethene	10,203	1.00	0.530	U	U	C23101113.D
Trichloroethene	10,203	1.00	0.330	U	U	C23101113.D
Tetrachloroethene	10,203	1.00	0.410	26.70	6.38	C23101113.D

Lab ID: 0007239-03 Sample Name: 05D_SSV_03_20231003

Vinyl Chloride	10,073	1.00	0.810	U	U	C23101114.D
trans-1,2-Dichloroethene	10,073	1.00	0.440	U	U	C23101114.D
cis-1,2-Dichloroethene	10,073	1.00	0.530	U	U	C23101114.D
Trichloroethene	10,073	1.00	0.330	U	U	C23101114.D
Tetrachloroethene	10,073	1.00	0.410	U	U	C23101114.D

Lab ID: 0007239-04 Sample Name: 05D_SSV_04_20231003

Vinyl Chloride	10,055	1.00	0.810	U	U	C23101115.D
trans-1,2-Dichloroethene	10,055	1.00	0.440	U	U	C23101115.D
cis-1,2-Dichloroethene	10,055	1.00	0.530	U	U	C23101115.D
Trichloroethene	10,055	1.00	0.330	U	U	C23101115.D
Tetrachloroethene	10,055	1.00	0.410	U	U	C23101115.D

Lab ID: 0007239-05 Sample Name: 05E_SSV_05_20231003

Vinyl Chloride	9,944	1.00	0.810	U	U	C23101116.D
trans-1,2-Dichloroethene	9,944	1.00	0.440	U	U	C23101116.D
cis-1,2-Dichloroethene	9,944	1.00	0.530	U	U	C23101116.D
Trichloroethene	9,944	1.00	0.330	U	U	C23101116.D
Tetrachloroethene	9,944	1.00	0.410	U	U	C23101116.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R04 Lab Work Order: 0007239 Reported: 10/19/2023
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Sample Result Calculation Summary (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007239-06 **Sample Name:** 05E_SSV_06_20231003

Vinyl Chloride	9,935	1.00	0.810	U	U	C23101117.D
trans-1,2-Dichloroethene	9,935	1.00	0.440	U	U	C23101117.D
cis-1,2-Dichloroethene	9,935	1.00	0.530	U	U	C23101117.D
Trichloroethene	9,935	1.00	0.330	U	U	C23101117.D
Tetrachloroethene	9,935	1.00	0.410	U	U	C23101117.D

Calculations:

$$C = \frac{1000 \times M \times DF}{U \times t}$$

where: C = concentration (µg/m³)
M = mass (ng)
DF = dilution factor
t = sampling time (minutes)
U = compound specific uptake rate

Reference: Federal Register/Vol. 79, No. 125/June 30, 2014

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007239-01 **Sample Name:** 05C_SSV_01_20231003

Vinyl Chloride	10,210	1.00	0.810	10.0	1.21
trans-1,2-Dichloroethene	10,210	1.00	0.440	10.0	2.23
cis-1,2-Dichloroethene	10,210	1.00	0.530	10.0	1.85
Trichloroethene	10,210	1.00	0.330	10.0	2.97
Tetrachloroethene	10,210	1.00	0.410	10.0	2.39

Lab ID: 0007239-02 **Sample Name:** 05C_SSV_02_20231003

Vinyl Chloride	10,203	1.00	0.810	10.0	1.21
trans-1,2-Dichloroethene	10,203	1.00	0.440	10.0	2.23
cis-1,2-Dichloroethene	10,203	1.00	0.530	10.0	1.85
Trichloroethene	10,203	1.00	0.330	10.0	2.97
Tetrachloroethene	10,203	1.00	0.410	10.0	2.39

Lab ID: 0007239-03 **Sample Name:** 05D_SSV_03_20231003

Vinyl Chloride	10,073	1.00	0.810	10.0	1.23
trans-1,2-Dichloroethene	10,073	1.00	0.440	10.0	2.26
cis-1,2-Dichloroethene	10,073	1.00	0.530	10.0	1.87
Trichloroethene	10,073	1.00	0.330	10.0	3.01
Tetrachloroethene	10,073	1.00	0.410	10.0	2.42

Lab ID: 0007239-04 **Sample Name:** 05D_SSV_04_20231003

Vinyl Chloride	10,055	1.00	0.810	10.0	1.23
trans-1,2-Dichloroethene	10,055	1.00	0.440	10.0	2.26
cis-1,2-Dichloroethene	10,055	1.00	0.530	10.0	1.88
Trichloroethene	10,055	1.00	0.330	10.0	3.01
Tetrachloroethene	10,055	1.00	0.410	10.0	2.43

Lab ID: 0007239-05 **Sample Name:** 05E_SSV_05_20231003

Vinyl Chloride	9,944	1.00	0.810	10.0	1.24
trans-1,2-Dichloroethene	9,944	1.00	0.440	10.0	2.29
cis-1,2-Dichloroethene	9,944	1.00	0.530	10.0	1.90
Trichloroethene	9,944	1.00	0.330	10.0	3.05
Tetrachloroethene	9,944	1.00	0.410	10.0	2.45

SCS Engineers
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Site Name: Badger Lease and Auto Sales
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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Method Detection and Reporting Limit Calculations (Concentration)
EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m ³
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Lab ID: 0007239-06

Sample Name: 05E_SSV_06_20231003

Vinyl Chloride	9,935	1.00	0.810	10.0	1.24
trans-1,2-Dichloroethene	9,935	1.00	0.440	10.0	2.29
cis-1,2-Dichloroethene	9,935	1.00	0.530	10.0	1.90
Trichloroethene	9,935	1.00	0.330	10.0	3.05
Tetrachloroethene	9,935	1.00	0.410	10.0	2.45

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Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Laboratory Certification List

Certification ID	Certification No.	Description	Expires	Project Required
Alaska CS-LAP	19-002	Alaska Department of Environmental Conservation	12/30/2024	
DoD-ELAP	72690/L22-563	United States Department of Defense Environmental Laboratory Accreditation	11/30/2024	
ISO/IEC 17025:2017	72690/L22-563	General Requirements for the Competence of Testing and Calibration Laboratories	11/30/2024	
NEFAP	72690/L22-564	TNI National Environmental Field Activities Program (NEFAP)	11/30/2024	
NY-NELAC	12097	New York Department of Health	04/01/2024	
Utah-NELAC	MD010912022-12	Utah Department of Health	12/31/2023	

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R04
Lab Work Order: 0007239
Reported: 10/19/2023

Qualifiers/Notes and Definitions

General Definitions:

DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
NA	Not Applicable
Q	Qualifier
RPD	Relative Percent Difference
RT	Retention Times in Minutes
RRT	Evaluation of Relative Retention Times in RRT Units (qualified if outside ± 0.06 control limits)
3σ	Uncertainty
∉	Compound not on scope of accreditation
+	values are outside method/contract required QC limits
∅	Compound not on scope of accreditation and analyzed with a one-point calibration

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Lab Work Order: 0007239
Reported: 10/19/2023

Sample Management Records

Project Information			Client Information				
Site Name: Badger Lease & Auto Sales (BLAS)			Company Name: SCS Engineers		Project Manager: Rob Langdon		
Site Location: 9601 W. Greenfield Ave West Allis, WI			Office Location: Madison, WI		Client PO: 25222269.04		
			Submitted by: Jacob Krause		Turn around time (check one):		
			Email: jkrause@scsengineers.com		<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush (specify) _____ days		
Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth <input type="checkbox"/> cm <input checked="" type="checkbox"/> inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
OSC-SSV-01-20231003	9-26-23	1010	10-3-23	1220	6"	concrete	CVOC short-list
OSC-SSV-02-20231003		1015		1218			
OSD-SSV-03-20231003		1157		1150			
OSD-SSV-04-20231003		1207		1142			
OSF-SSV-05-20231003		1321		1105			
OSE-SSV-06-20231003		1335		1110			
Special Instructions:							
Relinquished by (signature): <i>Jon K...</i>		Date / Time: 10/6 1100		Received by (signature): <i>Nicole Reif</i>		Date / Time: 10/10/23 10:20	
Relinquished by (signature):		Date / Time:		Received by (signature):		Date / Time:	
For Lab Use Only		Beacon Job No: 4239		Beacon Proposal: 230920R0804		Analytical Method:	
Courier Name: FedEx		Shipment Condition: Good		Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a		Custody Seal No: 5722548	



Beacon Environmental

2203A Commerce Road, Suite 1

Forest Hill, MD 21050 USA

1.410.838.8780

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 230920R05

Laboratory Work Order: 0007241

Project Description:

Badger Lease and Auto Sales

West Allis, WI

Client PO No.: 25222269.04-002

Prepared for:

Jacob Krause

SCS Engineers

2830 Dairy Drive

Madison, WI 53718-6751

Ryan W. Schneider
Senior Project Manager

October 19, 2023

All data meet requirements as specified in the Beacon Environmental Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2017, except compounds reported with € are not included in Beacon's scope of accreditation. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Quality Manager

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SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007241-01 Sampler Type:	05R_SSG_01_20231004 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Sewer Gas
0007241-02 Sampler Type:	05R_SSG_02_20231004 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Sewer Gas
0007241-03 Sampler Type:	05R_SSG_03_20231004 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Sewer Gas
0007241-04 Sampler Type:	05R_SSG_04_20231004 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Sewer Gas
0007241-05 Sampler Type:	05R_SSG_05_20231004 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Sewer Gas
0007241-06 Sampler Type:	05C_IAB_01_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-07 Sampler Type:	05C_IA1_02_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-08 Sampler Type:	05C_Sump_01_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-09 Sampler Type:	05C_OA_01_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Ambient Air
0007241-10 Sampler Type:	05D_IAB_03_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-11 Sampler Type:	05D_IA1_04_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-12 Sampler Type:	05D_Sump_02_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-13 Sampler Type:	05D_OA_02_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Ambient Air
0007241-14 Sampler Type:	05E_IAB_05_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air
0007241-15 Sampler Type:	05E_IA1_06_20231003 Beacon Passive Sampler	10/10/2023	TO-17 (Passive)	Indoor Air

Project Completeness

Samples Received: 15
Samples Analyzed: 15

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Case Narrative

Beacon Environmental provided thermally conditioned Beacon Samplers for sampling, with analyses following U.S. EPA Method TO-17, with analytical results reported in $\mu\text{g}/\text{m}^3$. Beacon calculated concentration results using the exposure period, target analyte mass, and the following procedures detailed in ISO 16017-2, *Indoor, ambient and workplace air-Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography-Part 2: Diffusive sampling*.

Beacon reports results and reporting limits to three significant digits.

Reporting Limits (RLs) for EPA Method TO-17

The RLs represent a baseline above which results meet laboratory-determined limits of precision and accuracy. Beacon performed dilution analysis when results exceeded the upper calibration limit, bringing all reported results within the calibration range. The project method quantitation limit (MQL) is the limit of detection (LOD) as noted in the data tables.

Calibration Verification

All continuing calibration verification (CCV) values are within $\pm 30\%$ of the true values as defined by the initial calibration and met the requirements specified in BEACON's Quality Manual.

Internal Standards and Surrogates

Internal standards and surrogates are spiked on all blanks (ICB, BLK), field samples and laboratory control samples (ICV/CALV, BS, ICV and CCV). Acceptance criteria for internal standards are 60 to 140 percent and surrogate recoveries are 70 to 130 percent; all internal standards and surrogates are within the acceptance criteria unless noted in the **Case Narrative**.

Blank Contamination

No targeted compounds above the limit of detection (LOD) for each compound were observed in the Laboratory Method Blanks unless noted in the **Case Narrative**.

Laboratory Control Samples

Acceptance criteria for surrogate and analytes recoveries are 70 to 130 percent; all recoveries are within the acceptance criteria unless noted in the **Case Narrative**.

Discussion

Samples were received in proper condition and laboratory control parameters were met unless otherwise noted below. The work performed was in accordance with ISO/IEC 17025:2017, except compounds reported with \notin are not included in Beacon's scope of accreditation.

End of Case Narrative

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Analytical Results

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007241-02	05R_SSG_02_20231004	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	LOD (µg/m³)	File ID
Benzene	71-43-2	21.9		4.800	4.68	1.87	Kb23101208.D
1,4-Dioxane	123-91-1	44.2		6.453	2.42	1.21	Kb23101208.D
Naphthalene	91-20-3	0.777	J	12.135	3.10	0.620	Kb23101208.D
TPH C9-C15		1,590		10.000	719	719	Kb23101208.D

Lab Sample ID: 0007241-03	05R_SSG_03_20231004	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	LOD (µg/m³)	File ID
Chloroform	67-66-3	1.94	J	4.099	2.84	1.42	Kb23101209.D
Tetrachloroethene	127-18-4	1.48	J	8.157	2.42	1.21	Kb23101209.D

Lab Sample ID: 0007241-04	05R_SSG_04_20231004	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	LOD (µg/m³)	File ID
Chloroform	67-66-3	2.36	J	4.096	2.84	1.42	Kb23101210.D
Benzene	71-43-2	4.19	J	4.800	4.69	1.88	Kb23101210.D
1,4-Dioxane	123-91-1	13.9		6.456	2.43	1.21	Kb23101210.D
TPH C9-C15		823		10.000	721	721	Kb23101210.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007241-05	05R_SSG_05_20231004	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	LOD (µg/m³)	File ID
cis-1,2-Dichloroethene	156-59-2	6.88		3.677	1.88	0.939	Kb23101211.D
Chloroform	67-66-3	4.55		4.096	2.84	1.42	Kb23101211.D
Benzene	71-43-2	3.06	J	4.803	4.69	1.88	Kb23101211.D
Trichloroethene	79-01-6	24.2		5.911	3.02	1.51	Kb23101211.D
1,4-Dioxane	123-91-1	3.21		6.453	2.43	1.21	Kb23101211.D
Tetrachloroethene	127-18-4	273		8.157	2.43	1.21	Kb23101211.D

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Data Summary Table- Concentration

Compound	Frequency	LOD ($\mu\text{g}/\text{m}^3$)	Max Value ($\mu\text{g}/\text{m}^3$)
cis-1,2-Dichloroethene	1	0.939	6.88
Chloroform	3	1.42	4.55
Benzene	3	1.87	21.9
Trichloroethene	1	1.51	24.2
1,4-Dioxane	3	1.21	44.2
Tetrachloroethene	2	1.21	273
Naphthalene	1	0.620	0.777
TPH C9-C15	2	719	1,590

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Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Detailed Analytical Results

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-01

05R_SSG_01_20231004

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.612	U	0.612	1.22	10/12/2023 14:35	Kb23101207.D
1,1-Dichloroethene	75-35-4	<1.50	U	1.50	3.00	10/12/2023 14:35	Kb23101207.D
Methylene Chloride	75-09-2	<1.42	U	1.42	2.83	10/12/2023 14:35	Kb23101207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.557	U	0.557	1.11	10/12/2023 14:35	Kb23101207.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.25	10/12/2023 14:35	Kb23101207.D
Methyl-t-butyl ether	1634-04-4	<1.98	U	1.98	4.95	10/12/2023 14:35	Kb23101207.D
1,1-Dichloroethane	75-34-3	<0.583	U	0.583	1.17	10/12/2023 14:35	Kb23101207.D
cis-1,2-Dichloroethene	156-59-2	<0.935	U	0.935	1.87	10/12/2023 14:35	Kb23101207.D
Chloroform	67-66-3	<1.42	U	1.42	2.83	10/12/2023 14:35	Kb23101207.D
1,2-Dichloroethane	107-06-2	<0.885	U	0.885	1.77	10/12/2023 14:35	Kb23101207.D
1,1,1-Trichloroethane	71-55-6	<0.472	U	0.472	0.943	10/12/2023 14:35	Kb23101207.D
Carbon Tetrachloride	56-23-5	<1.15	U	1.15	2.30	10/12/2023 14:35	Kb23101207.D
Benzene	71-43-2	<1.87	U	1.87	4.67	10/12/2023 14:35	Kb23101207.D
Trichloroethene	79-01-6	<1.50	U	1.50	3.00	10/12/2023 14:35	Kb23101207.D
1,4-Dioxane	123-91-1	<1.21	U	1.21	2.42	10/12/2023 14:35	Kb23101207.D
1,1,2-Trichloroethane	79-00-5	<1.50	U	1.50	3.00	10/12/2023 14:35	Kb23101207.D
Toluene	108-88-3	<2.48	U	2.48	6.19	10/12/2023 14:35	Kb23101207.D
1,2-Dibromoethane (EDB)	106-93-4	<1.27	U	1.27	2.54	10/12/2023 14:35	Kb23101207.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.42	10/12/2023 14:35	Kb23101207.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	U	1.21	2.42	10/12/2023 14:35	Kb23101207.D
Chlorobenzene	108-90-7	<0.583	U	0.583	1.17	10/12/2023 14:35	Kb23101207.D
Ethylbenzene	100-41-4	<1.17	U	1.17	2.91	10/12/2023 14:35	Kb23101207.D
p & m-Xylene	179601-23-1	<1.13	U	1.13	2.81	10/12/2023 14:35	Kb23101207.D
o-Xylene	95-47-6	<1.13	U	1.13	2.81	10/12/2023 14:35	Kb23101207.D
1,2,3-Trichloropropane	96-18-4	<0.660	U	0.660	1.32	10/12/2023 14:35	Kb23101207.D
Isopropylbenzene	98-82-8	<1.19	U	1.19	2.98	10/12/2023 14:35	Kb23101207.D
1,3,5-Trimethylbenzene	108-67-8	<1.19	U	1.19	2.98	10/12/2023 14:35	Kb23101207.D
1,2,4-Trimethylbenzene	95-63-6	<1.19	U	1.19	2.98	10/12/2023 14:35	Kb23101207.D
1,3-Dichlorobenzene	541-73-1	<0.660	U	0.660	1.32	10/12/2023 14:35	Kb23101207.D
1,4-Dichlorobenzene	106-46-7	<0.660	U	0.660	1.32	10/12/2023 14:35	Kb23101207.D
1,2-Dichlorobenzene	95-50-1	<0.660	U	0.660	1.32	10/12/2023 14:35	Kb23101207.D
1,2,4-Trichlorobenzene	120-82-1	<1.27	U	1.27	2.54	10/12/2023 14:35	Kb23101207.D
Naphthalene	91-20-3	<0.619	U	0.619	3.10	10/12/2023 14:35	Kb23101207.D
1,2,3-Trichlorobenzene	87-61-6	<1.27	U	1.27	2.54	10/12/2023 14:35	Kb23101207.D
2-Methylnaphthalene	91-57-6	<0.652	U	0.652	3.26	10/12/2023 14:35	Kb23101207.D
ε TPH C5-C8		<840	U	840	840	10/12/2023 14:35	Kb23101207.D
ε TPH C9-C15		<718	U	718	718	10/12/2023 14:35	Kb23101207.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	93.2%	70-130			10/12/2023 14:35	Kb23101207.D
Surrogate: Toluene-d8	2037-26-5	99.1%	70-130			10/12/2023 14:35	Kb23101207.D
Surrogate: Bromofluorobenzene	460-00-4	101%	70-130			10/12/2023 14:35	Kb23101207.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Lab Sample ID: 0007241-02	05R_SSG_02_20231004	Method: TO-17 (Passive)
Sewer Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.613	U	0.613	1.23	10/12/2023 15:04	Kb23101208.D
1,1-Dichloroethene	75-35-4	<1.50	U	1.50	3.01	10/12/2023 15:04	Kb23101208.D
Methylene Chloride	75-09-2	<1.42	U	1.42	2.84	10/12/2023 15:04	Kb23101208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.558	U	0.558	1.12	10/12/2023 15:04	Kb23101208.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 15:04	Kb23101208.D
Methyl-t-butyl ether	1634-04-4	<1.99	U	1.99	4.96	10/12/2023 15:04	Kb23101208.D
1,1-Dichloroethane	75-34-3	<0.584	U	0.584	1.17	10/12/2023 15:04	Kb23101208.D
cis-1,2-Dichloroethene	156-59-2	<0.936	U	0.936	1.87	10/12/2023 15:04	Kb23101208.D
Chloroform	67-66-3	<1.42	U	1.42	2.84	10/12/2023 15:04	Kb23101208.D
1,2-Dichloroethane	107-06-2	<0.886	U	0.886	1.77	10/12/2023 15:04	Kb23101208.D
1,1,1-Trichloroethane	71-55-6	<0.473	U	0.473	0.945	10/12/2023 15:04	Kb23101208.D
Carbon Tetrachloride	56-23-5	<1.15	U	1.15	2.31	10/12/2023 15:04	Kb23101208.D
Benzene	71-43-2	21.9		1.87	4.68	10/12/2023 15:04	Kb23101208.D
Trichloroethene	79-01-6	<1.50	U	1.50	3.01	10/12/2023 15:04	Kb23101208.D
1,4-Dioxane	123-91-1	44.2		1.21	2.42	10/12/2023 15:04	Kb23101208.D
1,1,2-Trichloroethane	79-00-5	<1.50	U	1.50	3.01	10/12/2023 15:04	Kb23101208.D
Toluene	108-88-3	<2.48	U	2.48	6.20	10/12/2023 15:04	Kb23101208.D
1,2-Dibromoethane (EDB)	106-93-4	<1.27	U	1.27	2.54	10/12/2023 15:04	Kb23101208.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.42	10/12/2023 15:04	Kb23101208.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	U	1.21	2.42	10/12/2023 15:04	Kb23101208.D
Chlorobenzene	108-90-7	<0.584	U	0.584	1.17	10/12/2023 15:04	Kb23101208.D
Ethylbenzene	100-41-4	<1.17	U	1.17	2.92	10/12/2023 15:04	Kb23101208.D
p & m-Xylene	179601-23-1	<1.13	U	1.13	2.82	10/12/2023 15:04	Kb23101208.D
o-Xylene	95-47-6	<1.13	U	1.13	2.82	10/12/2023 15:04	Kb23101208.D
1,2,3-Trichloropropane	96-18-4	<0.662	U	0.662	1.32	10/12/2023 15:04	Kb23101208.D
Isopropylbenzene	98-82-8	<1.20	U	1.20	2.99	10/12/2023 15:04	Kb23101208.D
1,3,5-Trimethylbenzene	108-67-8	<1.20	U	1.20	2.99	10/12/2023 15:04	Kb23101208.D
1,2,4-Trimethylbenzene	95-63-6	<1.20	U	1.20	2.99	10/12/2023 15:04	Kb23101208.D
1,3-Dichlorobenzene	541-73-1	<0.662	U	0.662	1.32	10/12/2023 15:04	Kb23101208.D
1,4-Dichlorobenzene	106-46-7	<0.662	U	0.662	1.32	10/12/2023 15:04	Kb23101208.D
1,2-Dichlorobenzene	95-50-1	<0.662	U	0.662	1.32	10/12/2023 15:04	Kb23101208.D
1,2,4-Trichlorobenzene	120-82-1	<1.27	U	1.27	2.54	10/12/2023 15:04	Kb23101208.D
Naphthalene	91-20-3	0.777	J	0.620	3.10	10/12/2023 15:04	Kb23101208.D
1,2,3-Trichlorobenzene	87-61-6	<1.27	U	1.27	2.54	10/12/2023 15:04	Kb23101208.D
2-Methylnaphthalene	91-57-6	<0.653	U	0.653	3.26	10/12/2023 15:04	Kb23101208.D
ε TPH C5-C8		<841	U	841	841	10/12/2023 15:04	Kb23101208.D
ε TPH C9-C15		1,590		719	719	10/12/2023 15:04	Kb23101208.D

Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	88.4%	70-130		10/12/2023 15:04	Kb23101208.D
Surrogate: Toluene-d8	2037-26-5	93.1%	70-130		10/12/2023 15:04	Kb23101208.D
Surrogate: Bromofluorobenzene	460-00-4	107%	70-130		10/12/2023 15:04	Kb23101208.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-03

05R_SSG_03_20231004

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.614	U	0.614	1.23	10/12/2023 15:33	Kb23101209.D
1,1-Dichloroethene	75-35-4	<1.51	U	1.51	3.01	10/12/2023 15:33	Kb23101209.D
Methylene Chloride	75-09-2	<1.42	U	1.42	2.84	10/12/2023 15:33	Kb23101209.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.558	U	0.558	1.12	10/12/2023 15:33	Kb23101209.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 15:33	Kb23101209.D
Methyl-t-butyl ether	1634-04-4	<1.99	U	1.99	4.97	10/12/2023 15:33	Kb23101209.D
1,1-Dichloroethane	75-34-3	<0.585	U	0.585	1.17	10/12/2023 15:33	Kb23101209.D
cis-1,2-Dichloroethene	156-59-2	<0.938	U	0.938	1.88	10/12/2023 15:33	Kb23101209.D
Chloroform	67-66-3	1.94	J	1.42	2.84	10/12/2023 15:33	Kb23101209.D
1,2-Dichloroethane	107-06-2	<0.888	U	0.888	1.78	10/12/2023 15:33	Kb23101209.D
1,1,1-Trichloroethane	71-55-6	<0.473	U	0.473	0.947	10/12/2023 15:33	Kb23101209.D
Carbon Tetrachloride	56-23-5	<1.16	U	1.16	2.31	10/12/2023 15:33	Kb23101209.D
Benzene	71-43-2	<1.88	U	1.88	4.69	10/12/2023 15:33	Kb23101209.D
Trichloroethene	79-01-6	<1.51	U	1.51	3.01	10/12/2023 15:33	Kb23101209.D
1,4-Dioxane	123-91-1	<1.21	U	1.21	2.42	10/12/2023 15:33	Kb23101209.D
1,1,2-Trichloroethane	79-00-5	<1.51	U	1.51	3.01	10/12/2023 15:33	Kb23101209.D
Toluene	108-88-3	<2.49	U	2.49	6.21	10/12/2023 15:33	Kb23101209.D
1,2-Dibromoethane (EDB)	106-93-4	<1.27	U	1.27	2.55	10/12/2023 15:33	Kb23101209.D
Tetrachloroethene	127-18-4	1.48	J	1.21	2.42	10/12/2023 15:33	Kb23101209.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	U	1.21	2.42	10/12/2023 15:33	Kb23101209.D
Chlorobenzene	108-90-7	<0.585	U	0.585	1.17	10/12/2023 15:33	Kb23101209.D
Ethylbenzene	100-41-4	<1.17	U	1.17	2.92	10/12/2023 15:33	Kb23101209.D
p & m-Xylene	179601-23-1	<1.13	U	1.13	2.82	10/12/2023 15:33	Kb23101209.D
o-Xylene	95-47-6	<1.13	U	1.13	2.82	10/12/2023 15:33	Kb23101209.D
1,2,3-Trichloropropane	96-18-4	<0.663	U	0.663	1.33	10/12/2023 15:33	Kb23101209.D
Isopropylbenzene	98-82-8	<1.20	U	1.20	2.99	10/12/2023 15:33	Kb23101209.D
1,3,5-Trimethylbenzene	108-67-8	<1.20	U	1.20	2.99	10/12/2023 15:33	Kb23101209.D
1,2,4-Trimethylbenzene	95-63-6	<1.20	U	1.20	2.99	10/12/2023 15:33	Kb23101209.D
1,3-Dichlorobenzene	541-73-1	<0.663	U	0.663	1.33	10/12/2023 15:33	Kb23101209.D
1,4-Dichlorobenzene	106-46-7	<0.663	U	0.663	1.33	10/12/2023 15:33	Kb23101209.D
1,2-Dichlorobenzene	95-50-1	<0.663	U	0.663	1.33	10/12/2023 15:33	Kb23101209.D
1,2,4-Trichlorobenzene	120-82-1	<1.27	U	1.27	2.55	10/12/2023 15:33	Kb23101209.D
Naphthalene	91-20-3	<0.621	U	0.621	3.11	10/12/2023 15:33	Kb23101209.D
1,2,3-Trichlorobenzene	87-61-6	<1.27	U	1.27	2.55	10/12/2023 15:33	Kb23101209.D
2-Methylnaphthalene	91-57-6	<0.654	U	0.654	3.27	10/12/2023 15:33	Kb23101209.D
☉ TPH C5-C8		<842	U	842	842	10/12/2023 15:33	Kb23101209.D
☉ TPH C9-C15		<720	U	720	720	10/12/2023 15:33	Kb23101209.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	88.3%	70-130			10/12/2023 15:33	Kb23101209.D
Surrogate: Toluene-d8	2037-26-5	96.6%	70-130			10/12/2023 15:33	Kb23101209.D
Surrogate: Bromofluorobenzene	460-00-4	102%	70-130			10/12/2023 15:33	Kb23101209.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-04

05R_SSG_04_20231004

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.614	U	0.614	1.23	10/12/2023 16:03	Kb23101210.D
1,1-Dichloroethene	75-35-4	<1.51	U	1.51	3.01	10/12/2023 16:03	Kb23101210.D
Methylene Chloride	75-09-2	<1.42	U	1.42	2.84	10/12/2023 16:03	Kb23101210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.559	U	0.559	1.12	10/12/2023 16:03	Kb23101210.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 16:03	Kb23101210.D
Methyl-t-butyl ether	1634-04-4	<1.99	U	1.99	4.97	10/12/2023 16:03	Kb23101210.D
1,1-Dichloroethane	75-34-3	<0.585	U	0.585	1.17	10/12/2023 16:03	Kb23101210.D
cis-1,2-Dichloroethene	156-59-2	<0.939	U	0.939	1.88	10/12/2023 16:03	Kb23101210.D
Chloroform	67-66-3	2.36	J	1.42	2.84	10/12/2023 16:03	Kb23101210.D
1,2-Dichloroethane	107-06-2	<0.888	U	0.888	1.78	10/12/2023 16:03	Kb23101210.D
1,1,1-Trichloroethane	71-55-6	<0.474	U	0.474	0.948	10/12/2023 16:03	Kb23101210.D
Carbon Tetrachloride	56-23-5	<1.16	U	1.16	2.31	10/12/2023 16:03	Kb23101210.D
Benzene	71-43-2	4.19	J	1.88	4.69	10/12/2023 16:03	Kb23101210.D
Trichloroethene	79-01-6	<1.51	U	1.51	3.01	10/12/2023 16:03	Kb23101210.D
1,4-Dioxane	123-91-1	13.9		1.21	2.43	10/12/2023 16:03	Kb23101210.D
1,1,2-Trichloroethane	79-00-5	<1.51	U	1.51	3.01	10/12/2023 16:03	Kb23101210.D
Toluene	108-88-3	<2.49	U	2.49	6.22	10/12/2023 16:03	Kb23101210.D
1,2-Dibromoethane (EDB)	106-93-4	<1.28	U	1.28	2.55	10/12/2023 16:03	Kb23101210.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.43	10/12/2023 16:03	Kb23101210.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	U	1.21	2.43	10/12/2023 16:03	Kb23101210.D
Chlorobenzene	108-90-7	<0.585	U	0.585	1.17	10/12/2023 16:03	Kb23101210.D
Ethylbenzene	100-41-4	<1.17	U	1.17	2.93	10/12/2023 16:03	Kb23101210.D
p & m-Xylene	179601-23-1	<1.13	U	1.13	2.83	10/12/2023 16:03	Kb23101210.D
o-Xylene	95-47-6	<1.13	U	1.13	2.83	10/12/2023 16:03	Kb23101210.D
1,2,3-Trichloropropane	96-18-4	<0.663	U	0.663	1.33	10/12/2023 16:03	Kb23101210.D
Isopropylbenzene	98-82-8	<1.20	U	1.20	3.00	10/12/2023 16:03	Kb23101210.D
1,3,5-Trimethylbenzene	108-67-8	<1.20	U	1.20	3.00	10/12/2023 16:03	Kb23101210.D
1,2,4-Trimethylbenzene	95-63-6	<1.20	U	1.20	3.00	10/12/2023 16:03	Kb23101210.D
1,3-Dichlorobenzene	541-73-1	<0.663	U	0.663	1.33	10/12/2023 16:03	Kb23101210.D
1,4-Dichlorobenzene	106-46-7	<0.663	U	0.663	1.33	10/12/2023 16:03	Kb23101210.D
1,2-Dichlorobenzene	95-50-1	<0.663	U	0.663	1.33	10/12/2023 16:03	Kb23101210.D
1,2,4-Trichlorobenzene	120-82-1	<1.28	U	1.28	2.55	10/12/2023 16:03	Kb23101210.D
Naphthalene	91-20-3	<0.622	U	0.622	3.11	10/12/2023 16:03	Kb23101210.D
1,2,3-Trichlorobenzene	87-61-6	<1.28	U	1.28	2.55	10/12/2023 16:03	Kb23101210.D
2-Methylnaphthalene	91-57-6	<0.655	U	0.655	3.27	10/12/2023 16:03	Kb23101210.D
ε TPH C5-C8		<843	U	843	843	10/12/2023 16:03	Kb23101210.D
ε TPH C9-C15		823		721	721	10/12/2023 16:03	Kb23101210.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	94.7%	70-130			10/12/2023 16:03	Kb23101210.D
Surrogate: Toluene-d8	2037-26-5	96.5%	70-130			10/12/2023 16:03	Kb23101210.D
Surrogate: Bromofluorobenzene	460-00-4	103%	70-130			10/12/2023 16:03	Kb23101210.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-05

05R_SSG_05_20231004

Method: TO-17 (Passive)

Sewer Gas

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.614	U	0.614	1.23	10/12/2023 16:32	Kb23101211.D
1,1-Dichloroethene	75-35-4	<1.51	U	1.51	3.02	10/12/2023 16:32	Kb23101211.D
Methylene Chloride	75-09-2	<1.42	U	1.42	2.84	10/12/2023 16:32	Kb23101211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.559	U	0.559	1.12	10/12/2023 16:32	Kb23101211.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 16:32	Kb23101211.D
Methyl-t-butyl ether	1634-04-4	<1.99	U	1.99	4.98	10/12/2023 16:32	Kb23101211.D
1,1-Dichloroethane	75-34-3	<0.585	U	0.585	1.17	10/12/2023 16:32	Kb23101211.D
cis-1,2-Dichloroethene	156-59-2	6.88		0.939	1.88	10/12/2023 16:32	Kb23101211.D
Chloroform	67-66-3	4.55		1.42	2.84	10/12/2023 16:32	Kb23101211.D
1,2-Dichloroethane	107-06-2	<0.889	U	0.889	1.78	10/12/2023 16:32	Kb23101211.D
1,1,1-Trichloroethane	71-55-6	<0.474	U	0.474	0.948	10/12/2023 16:32	Kb23101211.D
Carbon Tetrachloride	56-23-5	<1.16	U	1.16	2.31	10/12/2023 16:32	Kb23101211.D
Benzene	71-43-2	3.06	J	1.88	4.69	10/12/2023 16:32	Kb23101211.D
Trichloroethene	79-01-6	24.2		1.51	3.02	10/12/2023 16:32	Kb23101211.D
1,4-Dioxane	123-91-1	3.21		1.21	2.43	10/12/2023 16:32	Kb23101211.D
1,1,2-Trichloroethane	79-00-5	<1.51	U	1.51	3.02	10/12/2023 16:32	Kb23101211.D
Toluene	108-88-3	<2.49	U	2.49	6.22	10/12/2023 16:32	Kb23101211.D
1,2-Dibromoethane (EDB)	106-93-4	<1.28	U	1.28	2.55	10/12/2023 16:32	Kb23101211.D
Tetrachloroethene	127-18-4	273		1.21	2.43	10/12/2023 16:32	Kb23101211.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	U	1.21	2.43	10/12/2023 16:32	Kb23101211.D
Chlorobenzene	108-90-7	<0.585	U	0.585	1.17	10/12/2023 16:32	Kb23101211.D
Ethylbenzene	100-41-4	<1.17	U	1.17	2.93	10/12/2023 16:32	Kb23101211.D
p & m-Xylene	179601-23-1	<1.13	U	1.13	2.83	10/12/2023 16:32	Kb23101211.D
o-Xylene	95-47-6	<1.13	U	1.13	2.83	10/12/2023 16:32	Kb23101211.D
1,2,3-Trichloropropane	96-18-4	<0.663	U	0.663	1.33	10/12/2023 16:32	Kb23101211.D
Isopropylbenzene	98-82-8	<1.20	U	1.20	3.00	10/12/2023 16:32	Kb23101211.D
1,3,5-Trimethylbenzene	108-67-8	<1.20	U	1.20	3.00	10/12/2023 16:32	Kb23101211.D
1,2,4-Trimethylbenzene	95-63-6	<1.20	U	1.20	3.00	10/12/2023 16:32	Kb23101211.D
1,3-Dichlorobenzene	541-73-1	<0.663	U	0.663	1.33	10/12/2023 16:32	Kb23101211.D
1,4-Dichlorobenzene	106-46-7	<0.663	U	0.663	1.33	10/12/2023 16:32	Kb23101211.D
1,2-Dichlorobenzene	95-50-1	<0.663	U	0.663	1.33	10/12/2023 16:32	Kb23101211.D
1,2,4-Trichlorobenzene	120-82-1	<1.28	U	1.28	2.55	10/12/2023 16:32	Kb23101211.D
Naphthalene	91-20-3	<0.622	U	0.622	3.11	10/12/2023 16:32	Kb23101211.D
1,2,3-Trichlorobenzene	87-61-6	<1.28	U	1.28	2.55	10/12/2023 16:32	Kb23101211.D
2-Methylnaphthalene	91-57-6	<0.655	U	0.655	3.27	10/12/2023 16:32	Kb23101211.D
ε TPH C5-C8		<843	U	843	843	10/12/2023 16:32	Kb23101211.D
ε TPH C9-C15		<721	U	721	721	10/12/2023 16:32	Kb23101211.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	94.9%	70-130			10/12/2023 16:32	Kb23101211.D
Surrogate: Toluene-d8	2037-26-5	94.2%	70-130			10/12/2023 16:32	Kb23101211.D
Surrogate: Bromofluorobenzene	460-00-4	106%	70-130			10/12/2023 16:32	Kb23101211.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-06

05C_IAB_01_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.604	U	0.604	1.21	10/12/2023 17:03	Kb23101212.D
trans-1,2-Dichloroethene	156-60-5	<1.11	U	1.11	2.23	10/12/2023 17:03	Kb23101212.D
cis-1,2-Dichloroethene	156-59-2	<0.924	U	0.924	1.85	10/12/2023 17:03	Kb23101212.D
Trichloroethene	79-01-6	<1.48	U	1.48	2.97	10/12/2023 17:03	Kb23101212.D
Tetrachloroethene	127-18-4	<1.19	U	1.19	2.39	10/12/2023 17:03	Kb23101212.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	92.7%	70-130			10/12/2023 17:03	Kb23101212.D
Surrogate: Toluene-d8	2037-26-5	96.7%	70-130			10/12/2023 17:03	Kb23101212.D
Surrogate: Bromofluorobenzene	460-00-4	104%	70-130			10/12/2023 17:03	Kb23101212.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-07

05C_IA1_02_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.605	U	0.605	1.21	10/12/2023 17:32	Kb23101213.D
trans-1,2-Dichloroethene	156-60-5	<1.11	U	1.11	2.23	10/12/2023 17:32	Kb23101213.D
cis-1,2-Dichloroethene	156-59-2	<0.925	U	0.925	1.85	10/12/2023 17:32	Kb23101213.D
Trichloroethene	79-01-6	<1.49	U	1.49	2.97	10/12/2023 17:32	Kb23101213.D
Tetrachloroethene	127-18-4	<1.20	U	1.20	2.39	10/12/2023 17:32	Kb23101213.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	90.7%	70-130			10/12/2023 17:32	Kb23101213.D
Surrogate: Toluene-d8	2037-26-5	95.1%	70-130			10/12/2023 17:32	Kb23101213.D
Surrogate: Bromofluorobenzene	460-00-4	106%	70-130			10/12/2023 17:32	Kb23101213.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-08

05C_Sump_01_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.604	U	0.604	1.21	10/12/2023 18:02	Kb23101214.D
trans-1,2-Dichloroethene	156-60-5	<1.11	U	1.11	2.22	10/12/2023 18:02	Kb23101214.D
cis-1,2-Dichloroethene	156-59-2	<0.923	U	0.923	1.85	10/12/2023 18:02	Kb23101214.D
Trichloroethene	79-01-6	<1.48	U	1.48	2.96	10/12/2023 18:02	Kb23101214.D
Tetrachloroethene	127-18-4	<1.19	U	1.19	2.39	10/12/2023 18:02	Kb23101214.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	92.5%	70-130			10/12/2023 18:02	Kb23101214.D
Surrogate: Toluene-d8	2037-26-5	94.0%	70-130			10/12/2023 18:02	Kb23101214.D
Surrogate: Bromofluorobenzene	460-00-4	105%	70-130			10/12/2023 18:02	Kb23101214.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-09

05C_OA_01_20231003

Method: TO-17 (Passive)

Ambient Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.616	U	0.616	1.23	10/12/2023 18:32	Kb23101215.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.27	10/12/2023 18:32	Kb23101215.D
cis-1,2-Dichloroethene	156-59-2	<0.941	U	0.941	1.88	10/12/2023 18:32	Kb23101215.D
Trichloroethene	79-01-6	<1.51	U	1.51	3.02	10/12/2023 18:32	Kb23101215.D
Tetrachloroethene	127-18-4	<1.22	U	1.22	2.43	10/12/2023 18:32	Kb23101215.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	92.9%	70-130			10/12/2023 18:32	Kb23101215.D
Surrogate: Toluene-d8	2037-26-5	95.6%	70-130			10/12/2023 18:32	Kb23101215.D
Surrogate: Bromofluorobenzene	460-00-4	102%	70-130			10/12/2023 18:32	Kb23101215.D

SCS Engineers
 2830 Dairy Drive
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-10

05D_IAB_03_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.613	U	0.613	1.23	10/12/2023 19:54	Kb23101218.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 19:54	Kb23101218.D
cis-1,2-Dichloroethene	156-59-2	<0.937	U	0.937	1.87	10/12/2023 19:54	Kb23101218.D
Trichloroethene	79-01-6	<1.51	U	1.51	3.01	10/12/2023 19:54	Kb23101218.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.42	10/12/2023 19:54	Kb23101218.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	93.5%	70-130			10/12/2023 19:54	Kb23101218.D
Surrogate: Toluene-d8	2037-26-5	94.2%	70-130			10/12/2023 19:54	Kb23101218.D
Surrogate: Bromofluorobenzene	460-00-4	104%	70-130			10/12/2023 19:54	Kb23101218.D

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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-11

05D_IA1_04_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.614	U	0.614	1.23	10/12/2023 20:23	Kb23101219.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 20:23	Kb23101219.D
cis-1,2-Dichloroethene	156-59-2	<0.939	U	0.939	1.88	10/12/2023 20:23	Kb23101219.D
Trichloroethene	79-01-6	<1.51	U	1.51	3.02	10/12/2023 20:23	Kb23101219.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.43	10/12/2023 20:23	Kb23101219.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	89.7%	70-130			10/12/2023 20:23	Kb23101219.D
Surrogate: Toluene-d8	2037-26-5	93.9%	70-130			10/12/2023 20:23	Kb23101219.D
Surrogate: Bromofluorobenzene	460-00-4	102%	70-130			10/12/2023 20:23	Kb23101219.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-12

05D_Sump_02_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.611	U	0.611	1.22	10/12/2023 20:53	Kb23101220.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.25	10/12/2023 20:53	Kb23101220.D
cis-1,2-Dichloroethene	156-59-2	<0.934	U	0.934	1.87	10/12/2023 20:53	Kb23101220.D
Trichloroethene	79-01-6	<1.50	U	1.50	3.00	10/12/2023 20:53	Kb23101220.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.41	10/12/2023 20:53	Kb23101220.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	85.7%	70-130			10/12/2023 20:53	Kb23101220.D
Surrogate: Toluene-d8	2037-26-5	93.4%	70-130			10/12/2023 20:53	Kb23101220.D
Surrogate: Bromofluorobenzene	460-00-4	103%	70-130			10/12/2023 20:53	Kb23101220.D

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-13

05D_OA_02_20231003

Method: TO-17 (Passive)

Ambient Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.613	U	0.613	1.23	10/12/2023 21:22	Kb23101221.D
trans-1,2-Dichloroethene	156-60-5	<1.13	U	1.13	2.26	10/12/2023 21:22	Kb23101221.D
cis-1,2-Dichloroethene	156-59-2	<0.937	U	0.937	1.87	10/12/2023 21:22	Kb23101221.D
Trichloroethene	79-01-6	<1.51	U	1.51	3.01	10/12/2023 21:22	Kb23101221.D
Tetrachloroethene	127-18-4	<1.21	U	1.21	2.42	10/12/2023 21:22	Kb23101221.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	88.9%	70-130			10/12/2023 21:22	Kb23101221.D
Surrogate: Toluene-d8	2037-26-5	94.4%	70-130			10/12/2023 21:22	Kb23101221.D
Surrogate: Bromofluorobenzene	460-00-4	102%	70-130			10/12/2023 21:22	Kb23101221.D

SCS Engineers
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-14

05E_IAB_05_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.620	U	0.620	1.24	10/12/2023 21:52	Kb23101222.D
trans-1,2-Dichloroethene	156-60-5	<1.14	U	1.14	2.28	10/12/2023 21:52	Kb23101222.D
cis-1,2-Dichloroethene	156-59-2	<0.948	U	0.948	1.90	10/12/2023 21:52	Kb23101222.D
Trichloroethene	79-01-6	<1.52	U	1.52	3.05	10/12/2023 21:52	Kb23101222.D
Tetrachloroethene	127-18-4	<1.23	U	1.23	2.45	10/12/2023 21:52	Kb23101222.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	95.6%	70-130			10/12/2023 21:52	Kb23101222.D
Surrogate: Toluene-d8	2037-26-5	96.8%	70-130			10/12/2023 21:52	Kb23101222.D
Surrogate: Bromofluorobenzene	460-00-4	104%	70-130			10/12/2023 21:52	Kb23101222.D

SCS Engineers
 2830 Dairy Drive
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Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Lab Sample ID: 0007241-15

05E_IA1_06_20231003

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m ³)	Q	LOD (µg/m ³)	LOQ (µg/m ³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.621	U	0.621	1.24	10/12/2023 22:22	Kb23101223.D
trans-1,2-Dichloroethene	156-60-5	<1.14	U	1.14	2.29	10/12/2023 22:22	Kb23101223.D
cis-1,2-Dichloroethene	156-59-2	<0.950	U	0.950	1.90	10/12/2023 22:22	Kb23101223.D
Trichloroethene	79-01-6	<1.53	U	1.53	3.05	10/12/2023 22:22	Kb23101223.D
Tetrachloroethene	127-18-4	<1.23	U	1.23	2.46	10/12/2023 22:22	Kb23101223.D
Analyte	CAS#	% Recovery	Recovery Limits	Q		Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	94.3%	70-130			10/12/2023 22:22	Kb23101223.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130			10/12/2023 22:22	Kb23101223.D
Surrogate: Bromofluorobenzene	460-00-4	106%	70-130			10/12/2023 22:22	Kb23101223.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

QC Information/Summary

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23H036 - Instrument: K System - File ID: Ka23080916.D

B23H036-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	50.2	10	5	ng	50.0		100	70-130			
1,1-Dichloroethene	47.9	10	5	ng	50.0		95.7	70-130			
Methylene Chloride	50.8	10	5	ng	50.0		102	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	50.1	10	5	ng	50.0		100	70-130			
trans-1,2-Dichloroethene	50.0	10	5	ng	50.0		100	70-130			
Methyl-t-butyl ether	41.8	25	10	ng	50.0		83.6	70-130			
1,1-Dichloroethane	50.1	10	5	ng	50.0		100	70-130			
cis-1,2-Dichloroethene	50.3	10	5	ng	50.0		101	70-130			
Chloroform	50.1	10	5	ng	50.0		100	70-130			
1,2-Dichloroethane	50.0	10	5	ng	50.0		99.9	70-130			
1,1,1-Trichloroethane	50.5	10	5	ng	50.0		101	70-130			
Carbon Tetrachloride	51.7	10	5	ng	50.0		103	70-130			
Benzene	58.7	25	10	ng	50.0		117	70-130			
Trichloroethene	49.2	10	5	ng	50.0		98.4	70-130			
1,4-Dioxane	47.6	10	5	ng	50.0		95.1	70-130			
1,1,2-Trichloroethane	48.9	10	5	ng	50.0		97.9	70-130			
Toluene	47.4	25	10	ng	50.0		94.8	70-130			
1,2-Dibromoethane (EDB)	52.1	10	5	ng	50.0		104	70-130			
Tetrachloroethene	49.6	10	5	ng	50.0		99.1	70-130			
1,1,1,2-Tetrachloroethane	51.1	10	5	ng	50.0		102	70-130			
Chlorobenzene	47.3	10	5	ng	50.0		94.5	70-130			
Ethylbenzene	55.3	25	10	ng	50.0		111	70-130			
p & m-Xylene	55.3	25	10	ng	50.0		111	70-130			
o-Xylene	53.3	25	10	ng	50.0		107	70-130			
1,2,3-Trichloropropane	51.7	10	5	ng	50.0		103	70-130			
Isopropylbenzene	52.3	25	10	ng	50.0		105	70-130			
1,3,5-Trimethylbenzene	51.1	25	10	ng	50.0		102	70-130			
1,2,4-Trimethylbenzene	47.6	25	10	ng	50.0		95.2	70-130			
1,3-Dichlorobenzene	49.9	10	5	ng	50.0		99.9	70-130			
1,4-Dichlorobenzene	49.8	10	5	ng	50.0		99.5	70-130			
1,2-Dichlorobenzene	49.9	10	5	ng	50.0		99.7	70-130			
1,2,4-Trichlorobenzene	50.3	10	5	ng	50.0		101	70-130			
1,2,3-Trichlorobenzene	52.8	10	5	ng	50.0		106	70-130			
2-Methylnaphthalene	53.4	25	5	ng	50.0		107	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>49.9</i>			<i>ng</i>	<i>50.0</i>		<i>99.7</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.5</i>			<i>ng</i>	<i>50.0</i>		<i>105</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>51.0</i>			<i>ng</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23H036 - Instrument: K System - File ID: Ka23080918.D

B23H036-ICB1 (Lab Blank/Initial Calibration Blank)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	5	ng							U
1,1-Dichloroethene	<5	10	5	ng							U
Methylene Chloride	<5	10	5	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	5	ng							U
trans-1,2-Dichloroethene	<5	10	5	ng							U
Methyl-t-butyl ether	<10	25	10	ng							U
1,1-Dichloroethane	<5	10	5	ng							U
cis-1,2-Dichloroethene	<5	10	5	ng							U
Chloroform	<5	10	5	ng							U
1,2-Dichloroethane	<5	10	5	ng							U
1,1,1-Trichloroethane	<5	10	5	ng							U
Carbon Tetrachloride	<5	10	5	ng							U
Benzene	<10	25	10	ng							U
Trichloroethene	<5	10	5	ng							U
1,4-Dioxane	<5	10	5	ng							U
1,1,2-Trichloroethane	<5	10	5	ng							U
Toluene	<10	25	10	ng							U
1,2-Dibromoethane (EDB)	<5	10	5	ng							U
Tetrachloroethene	<5	10	5	ng							U
1,1,1,2-Tetrachloroethane	<5	10	5	ng							U
Chlorobenzene	<5	10	5	ng							U
Ethylbenzene	<10	25	10	ng							U
p & m-Xylene	<10	25	10	ng							U
o-Xylene	<10	25	10	ng							U
1,2,3-Trichloropropane	<5	10	5	ng							U
Isopropylbenzene	<10	25	10	ng							U
1,3,5-Trimethylbenzene	<10	25	10	ng							U
1,2,4-Trimethylbenzene	<10	25	10	ng							U
1,3-Dichlorobenzene	<5	10	5	ng							U
1,4-Dichlorobenzene	<5	10	5	ng							U
1,2-Dichlorobenzene	<5	10	5	ng							U
1,2,4-Trichlorobenzene	<5	10	5	ng							U
1,2,3-Trichlorobenzene	<5	10	5	ng							U
2-Methylnaphthalene	<5	25	5	ng							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>99.9</i>			<i>ng</i>	<i>100</i>		<i>99.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>106</i>			<i>ng</i>	<i>100</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>98.7</i>			<i>ng</i>	<i>100</i>		<i>98.7</i>	<i>70-130</i>			

SCS Engineers
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Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Batch: 23J0032 - Instrument: K System - File ID: Ka23101202.D

23J0032-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	48.8	10	5	ng	50.0		97.6	70-130			
1,1-Dichloroethene	48.0	10	5	ng	50.0		95.9	70-130			
Methylene Chloride	50.5	10	5	ng	50.0		101	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	50.7	10	5	ng	50.0		101	70-130			
trans-1,2-Dichloroethene	49.3	10	5	ng	50.0		98.5	70-130			
Methyl-t-butyl ether	44.7	25	10	ng	50.0		89.4	70-130			
1,1-Dichloroethane	48.9	10	5	ng	50.0		97.7	70-130			
cis-1,2-Dichloroethene	49.1	10	5	ng	50.0		98.2	70-130			
Chloroform	47.7	10	5	ng	50.0		95.5	70-130			
1,2-Dichloroethane	47.3	10	5	ng	50.0		94.5	70-130			
1,1,1-Trichloroethane	47.6	10	5	ng	50.0		95.2	70-130			
Carbon Tetrachloride	49.0	10	5	ng	50.0		98.1	70-130			
Benzene	37.9	25	10	ng	50.0		75.8	70-130			
Trichloroethene	48.2	10	5	ng	50.0		96.4	70-130			
1,4-Dioxane	47.6	10	5	ng	50.0		95.1	70-130			
1,1,2-Trichloroethane	50.2	10	5	ng	50.0		100	70-130			
Toluene	47.4	25	10	ng	50.0		94.8	70-130			
1,2-Dibromoethane (EDB)	50.7	10	5	ng	50.0		101	70-130			
Tetrachloroethene	48.5	10	5	ng	50.0		97.0	70-130			
1,1,1,2-Tetrachloroethane	48.4	10	5	ng	50.0		96.9	70-130			
Chlorobenzene	46.1	10	5	ng	50.0		92.3	70-130			
Ethylbenzene	53.5	25	10	ng	50.0		107	70-130			
p & m-Xylene	52.4	25	10	ng	50.0		105	70-130			
o-Xylene	49.9	25	10	ng	50.0		99.9	70-130			
1,2,3-Trichloropropane	49.6	10	5	ng	50.0		99.1	70-130			
Isopropylbenzene	51.8	25	10	ng	50.0		104	70-130			
1,3,5-Trimethylbenzene	53.4	25	10	ng	50.0		107	70-130			
1,2,4-Trimethylbenzene	47.8	25	10	ng	50.0		95.6	70-130			
1,3-Dichlorobenzene	48.5	10	5	ng	50.0		96.9	70-130			
1,4-Dichlorobenzene	48.3	10	5	ng	50.0		96.5	70-130			
1,2-Dichlorobenzene	46.9	10	5	ng	50.0		93.8	70-130			
1,2,4-Trichlorobenzene	44.6	10	5	ng	50.0		89.2	70-130			
1,2,3-Trichlorobenzene	48.0	10	5	ng	50.0		96.0	70-130			
2-Methylnaphthalene	47.1	25	5	ng	50.0		94.2	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>48.6</i>			<i>ng</i>	<i>50.0</i>		<i>97.1</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>54.3</i>			<i>ng</i>	<i>50.0</i>		<i>109</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>50.9</i>			<i>ng</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Batch: 23J0032 - Instrument: K System - File ID: Ka23101203.D

23J0032-BLK1 (Lab Blank)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.604	1.21	0.604	µg/m³							U
1,1-Dichloroethene	<1.48	2.96	1.48	µg/m³							U
Methylene Chloride	<1.40	2.79	1.40	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.550	1.10	0.550	µg/m³							U
trans-1,2-Dichloroethene	<1.11	2.22	1.11	µg/m³							U
Methyl-t-butyl ether	<1.96	4.89	1.96	µg/m³							U
1,1-Dichloroethane	<0.575	1.15	0.575	µg/m³							U
cis-1,2-Dichloroethene	<0.923	1.85	0.923	µg/m³							U
Chloroform	<1.40	2.79	1.40	µg/m³							U
1,2-Dichloroethane	<0.873	1.75	0.873	µg/m³							U
1,1,1-Trichloroethane	<0.466	0.932	0.466	µg/m³							U
Carbon Tetrachloride	<1.14	2.27	1.14	µg/m³							U
Benzene	<1.85	4.61	1.85	µg/m³							U
Trichloroethene	<1.48	2.96	1.48	µg/m³							U
1,4-Dioxane	<1.19	2.39	1.19	µg/m³							U
1,1,2-Trichloroethane	<1.48	2.96	1.48	µg/m³							U
Toluene	<2.45	6.11	2.45	µg/m³							U
1,2-Dibromoethane (EDB)	<1.25	2.51	1.25	µg/m³							U
Tetrachloroethene	<1.19	2.39	1.19	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.19	2.39	1.19	µg/m³							U
Chlorobenzene	<0.575	1.15	0.575	µg/m³							U
Ethylbenzene	<1.15	2.88	1.15	µg/m³							U
p & m-Xylene	<1.11	2.78	1.11	µg/m³							U
o-Xylene	<1.11	2.78	1.11	µg/m³							U
1,2,3-Trichloropropane	<0.652	1.30	0.652	µg/m³							U
Isopropylbenzene	<1.18	2.95	1.18	µg/m³							U
1,3,5-Trimethylbenzene	<1.18	2.95	1.18	µg/m³							U
1,2,4-Trimethylbenzene	<1.18	2.95	1.18	µg/m³							U
1,3-Dichlorobenzene	<0.652	1.30	0.652	µg/m³							U
1,4-Dichlorobenzene	<0.652	1.30	0.652	µg/m³							U
1,2-Dichlorobenzene	<0.652	1.30	0.652	µg/m³							U
1,2,4-Trichlorobenzene	<1.25	2.51	1.25	µg/m³							U
Naphthalene	<0.611	3.06	0.611	µg/m³							U
1,2,3-Trichlorobenzene	<1.25	2.51	1.25	µg/m³							U
2-Methylnaphthalene	<0.644	3.22	0.644	µg/m³							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>99.6</i>			<i>ng</i>	<i>100</i>		<i>99.6</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>107</i>			<i>ng</i>	<i>100</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>97.4</i>			<i>ng</i>	<i>100</i>		<i>97.4</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Instrument: K System - File ID: Ka23101204.D

B23J033-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	43.5	10	5	ng	50.0		86.9	70-130			
1,1-Dichloroethene	46.3	10	5	ng	50.0		92.7	70-130			
Methylene Chloride	49.1	10	5	ng	50.0		98.3	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	48.5	10	5	ng	50.0		97.1	70-130			
trans-1,2-Dichloroethene	49.7	10	5	ng	50.0		99.4	70-130			
Methyl-t-butyl ether	44.3	25	10	ng	50.0		88.6	70-130			
1,1-Dichloroethane	50.2	10	5	ng	50.0		100	70-130			
cis-1,2-Dichloroethene	50.6	10	5	ng	50.0		101	70-130			
Chloroform	50.5	10	5	ng	50.0		101	70-130			
1,2-Dichloroethane	49.9	10	5	ng	50.0		99.7	70-130			
1,1,1-Trichloroethane	48.4	10	5	ng	50.0		96.9	70-130			
Carbon Tetrachloride	48.7	10	5	ng	50.0		97.4	70-130			
Benzene	41.4	25	10	ng	50.0		82.8	70-130			
Trichloroethene	50.0	10	5	ng	50.0		100	70-130			
1,4-Dioxane	46.9	10	5	ng	50.0		93.8	70-130			
1,1,2-Trichloroethane	50.0	10	5	ng	50.0		100	70-130			
Toluene	47.5	25	10	ng	50.0		95.0	70-130			
1,2-Dibromoethane (EDB)	51.2	10	5	ng	50.0		102	70-130			
Tetrachloroethene	49.2	10	5	ng	50.0		98.4	70-130			
1,1,1,2-Tetrachloroethane	49.3	10	5	ng	50.0		98.5	70-130			
Chlorobenzene	47.0	10	5	ng	50.0		94.0	70-130			
Ethylbenzene	53.8	25	10	ng	50.0		108	70-130			
p & m-Xylene	53.8	25	10	ng	50.0		108	70-130			
o-Xylene	49.9	25	10	ng	50.0		99.9	70-130			
1,2,3-Trichloropropane	49.4	10	5	ng	50.0		98.7	70-130			
Isopropylbenzene	52.3	25	10	ng	50.0		105	70-130			
1,3,5-Trimethylbenzene	54.5	25	10	ng	50.0		109	70-130			
1,2,4-Trimethylbenzene	48.9	25	10	ng	50.0		97.8	70-130			
1,3-Dichlorobenzene	49.0	10	5	ng	50.0		98.0	70-130			
1,4-Dichlorobenzene	48.8	10	5	ng	50.0		97.5	70-130			
1,2-Dichlorobenzene	47.5	10	5	ng	50.0		94.9	70-130			
1,2,4-Trichlorobenzene	45.7	10	5	ng	50.0		91.4	70-130			
1,2,3-Trichlorobenzene	48.8	10	5	ng	50.0		97.5	70-130			
2-Methylnaphthalene	47.2	25	5	ng	50.0		94.4	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>49.5</i>			<i>ng</i>	<i>50.0</i>		<i>99.1</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.2</i>			<i>ng</i>	<i>50.0</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>48.6</i>			<i>ng</i>	<i>50.0</i>		<i>97.3</i>	<i>70-130</i>			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Instrument: K System - File ID: Kb23101216.D

B23J033-CCV1 (LCS, Closing Calibration Verification)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	44.1	10	5	ng	50.0		88.2	70-130			
1,1-Dichloroethene	46.0	10	5	ng	50.0		92.0	70-130			
Methylene Chloride	49.5	10	5	ng	50.0		98.9	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	51.0	10	5	ng	50.0		102	70-130			
trans-1,2-Dichloroethene	48.9	10	5	ng	50.0		97.8	70-130			
Methyl-t-butyl ether	44.9	25	10	ng	50.0		89.8	70-130			
1,1-Dichloroethane	48.8	10	5	ng	50.0		97.6	70-130			
cis-1,2-Dichloroethene	49.6	10	5	ng	50.0		99.2	70-130			
Chloroform	48.3	10	5	ng	50.0		96.6	70-130			
1,2-Dichloroethane	47.1	10	5	ng	50.0		94.2	70-130			
1,1,1-Trichloroethane	48.8	10	5	ng	50.0		97.5	70-130			
Carbon Tetrachloride	49.7	10	5	ng	50.0		99.3	70-130			
Benzene	40.8	25	10	ng	50.0		81.6	70-130			
Trichloroethene	49.1	10	5	ng	50.0		98.3	70-130			
1,4-Dioxane	49.4	10	5	ng	50.0		98.7	70-130			
1,1,2-Trichloroethane	50.2	10	5	ng	50.0		100	70-130			
Toluene	46.7	25	10	ng	50.0		93.4	70-130			
1,2-Dibromoethane (EDB)	49.7	10	5	ng	50.0		99.5	70-130			
Tetrachloroethene	48.5	10	5	ng	50.0		96.9	70-130			
1,1,1,2-Tetrachloroethane	50.5	10	5	ng	50.0		101	70-130			
Chlorobenzene	46.5	10	5	ng	50.0		93.1	70-130			
Ethylbenzene	54.7	25	10	ng	50.0		109	70-130			
p & m-Xylene	55.0	25	10	ng	50.0		110	70-130			
o-Xylene	54.2	25	10	ng	50.0		108	70-130			
1,2,3-Trichloropropane	50.6	10	5	ng	50.0		101	70-130			
Isopropylbenzene	51.7	25	10	ng	50.0		103	70-130			
1,3,5-Trimethylbenzene	50.8	25	10	ng	50.0		102	70-130			
1,2,4-Trimethylbenzene	47.5	25	10	ng	50.0		95.1	70-130			
1,3-Dichlorobenzene	47.9	10	5	ng	50.0		95.9	70-130			
1,4-Dichlorobenzene	47.8	10	5	ng	50.0		95.6	70-130			
1,2-Dichlorobenzene	47.1	10	5	ng	50.0		94.1	70-130			
1,2,4-Trichlorobenzene	47.1	10	5	ng	50.0		94.2	70-130			
1,2,3-Trichlorobenzene	50.9	10	5	ng	50.0		102	70-130			
2-Methylnaphthalene	52.2	25	5	ng	50.0		104	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	48.8			ng	50.0		97.5	70-130			
<i>Surrogate: Toluene-d8</i>	52.4			ng	50.0		105	70-130			
<i>Surrogate: Bromofluorobenzene</i>	51.5			ng	50.0		103	70-130			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Instrument: K System - File ID: Kb23101217.D

B23J033-CCB1 (Lab Blank)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	5	ng							U
1,1-Dichloroethene	<5	10	5	ng							U
Methylene Chloride	<5	10	5	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	5	ng							U
trans-1,2-Dichloroethene	<5	10	5	ng							U
Methyl-t-butyl ether	<10	25	10	ng							U
1,1-Dichloroethane	<5	10	5	ng							U
cis-1,2-Dichloroethene	<5	10	5	ng							U
Chloroform	<5	10	5	ng							U
1,2-Dichloroethane	<5	10	5	ng							U
1,1,1-Trichloroethane	<5	10	5	ng							U
Carbon Tetrachloride	<5	10	5	ng							U
Benzene	<10	25	10	ng							U
Trichloroethene	<5	10	5	ng							U
1,4-Dioxane	<5	10	5	ng							U
1,1,2-Trichloroethane	<5	10	5	ng							U
Toluene	<10	25	10	ng							U
1,2-Dibromoethane (EDB)	<5	10	5	ng							U
Tetrachloroethene	<5	10	5	ng							U
1,1,1,2-Tetrachloroethane	<5	10	5	ng							U
Chlorobenzene	<5	10	5	ng							U
Ethylbenzene	<10	25	10	ng							U
p & m-Xylene	<10	25	10	ng							U
o-Xylene	<10	25	10	ng							U
1,2,3-Trichloropropane	<5	10	5	ng							U
Isopropylbenzene	<10	25	10	ng							U
1,3,5-Trimethylbenzene	<10	25	10	ng							U
1,2,4-Trimethylbenzene	<10	25	10	ng							U
1,3-Dichlorobenzene	<5	10	5	ng							U
1,4-Dichlorobenzene	<5	10	5	ng							U
1,2-Dichlorobenzene	<5	10	5	ng							U
1,2,4-Trichlorobenzene	<5	10	5	ng							U
1,2,3-Trichlorobenzene	<5	10	5	ng							U
2-Methylnaphthalene	<5	25	5	ng							U
<i>Surrogate: 1,2-DCA-d4</i>	<i>97.8</i>			<i>ng</i>	<i>100</i>		<i>97.8</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>104</i>			<i>ng</i>	<i>100</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>98.0</i>			<i>ng</i>	<i>100</i>		<i>98.0</i>	<i>70-130</i>			

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Instrument: K System - File ID: Kb23101224.D

B23J033-CCV2 (Continuing Calibration Verification)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	47.0	10	5	ng	50.0		93.9	70-130			
1,1-Dichloroethene	48.1	10	5	ng	50.0		96.2	70-130			
Methylene Chloride	49.4	10	5	ng	50.0		98.9	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	49.1	10	5	ng	50.0		98.3	70-130			
trans-1,2-Dichloroethene	49.4	10	5	ng	50.0		98.7	70-130			
Methyl-t-butyl ether	45.0	25	10	ng	50.0		90.0	70-130			
1,1-Dichloroethane	48.9	10	5	ng	50.0		97.9	70-130			
cis-1,2-Dichloroethene	49.0	10	5	ng	50.0		98.0	70-130			
Chloroform	48.0	10	5	ng	50.0		96.0	70-130			
1,2-Dichloroethane	46.9	10	5	ng	50.0		93.9	70-130			
1,1,1-Trichloroethane	48.8	10	5	ng	50.0		97.7	70-130			
Carbon Tetrachloride	49.6	10	5	ng	50.0		99.1	70-130			
Benzene	38.4	25	10	ng	50.0		76.7	70-130			
Trichloroethene	48.8	10	5	ng	50.0		97.6	70-130			
1,4-Dioxane	49.0	10	5	ng	50.0		98.0	70-130			
1,1,2-Trichloroethane	50.0	10	5	ng	50.0		100	70-130			
Toluene	46.0	25	10	ng	50.0		92.0	70-130			
1,2-Dibromoethane (EDB)	50.2	10	5	ng	50.0		100	70-130			
Tetrachloroethene	48.2	10	5	ng	50.0		96.4	70-130			
1,1,1,2-Tetrachloroethane	51.3	10	5	ng	50.0		103	70-130			
Chlorobenzene	46.8	10	5	ng	50.0		93.5	70-130			
Ethylbenzene	53.4	25	10	ng	50.0		107	70-130			
p & m-Xylene	54.4	25	10	ng	50.0		109	70-130			
o-Xylene	53.1	25	10	ng	50.0		106	70-130			
1,2,3-Trichloropropane	50.5	10	5	ng	50.0		101	70-130			
Isopropylbenzene	51.9	25	10	ng	50.0		104	70-130			
1,3,5-Trimethylbenzene	52.1	25	10	ng	50.0		104	70-130			
1,2,4-Trimethylbenzene	46.9	25	10	ng	50.0		93.8	70-130			
1,3-Dichlorobenzene	48.4	10	5	ng	50.0		96.7	70-130			
1,4-Dichlorobenzene	48.2	10	5	ng	50.0		96.4	70-130			
1,2-Dichlorobenzene	47.2	10	5	ng	50.0		94.3	70-130			
1,2,4-Trichlorobenzene	50.0	10	5	ng	50.0		100	70-130			
1,2,3-Trichlorobenzene	50.5	10	5	ng	50.0		101	70-130			
2-Methylnaphthalene	52.8	25	5	ng	50.0		106	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>49.1</i>			<i>ng</i>	<i>50.0</i>		<i>98.2</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>53.0</i>			<i>ng</i>	<i>50.0</i>		<i>106</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>51.3</i>			<i>ng</i>	<i>50.0</i>		<i>103</i>	<i>70-130</i>			

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Organics in Air by EPA TO-17 Using Beacon Sampler - Quality Control Summary

Sequence: B23J033 - Instrument: K System - File ID: Kb23101225.D

B23J033-CCB2 (Lab Blank)

Analyte	Result	LOQ	LOD	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	5	ng							U
1,1-Dichloroethene	<5	10	5	ng							U
Methylene Chloride	<5	10	5	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	5	ng							U
trans-1,2-Dichloroethene	<5	10	5	ng							U
Methyl-t-butyl ether	<10	25	10	ng							U
1,1-Dichloroethane	<5	10	5	ng							U
cis-1,2-Dichloroethene	<5	10	5	ng							U
Chloroform	<5	10	5	ng							U
1,2-Dichloroethane	<5	10	5	ng							U
1,1,1-Trichloroethane	<5	10	5	ng							U
Carbon Tetrachloride	<5	10	5	ng							U
Benzene	<10	25	10	ng							U
Trichloroethene	<5	10	5	ng							U
1,4-Dioxane	<5	10	5	ng							U
1,1,2-Trichloroethane	<5	10	5	ng							U
Toluene	<10	25	10	ng							U
1,2-Dibromoethane (EDB)	<5	10	5	ng							U
Tetrachloroethene	<5	10	5	ng							U
1,1,1,2-Tetrachloroethane	<5	10	5	ng							U
Chlorobenzene	<5	10	5	ng							U
Ethylbenzene	<10	25	10	ng							U
p & m-Xylene	<10	25	10	ng							U
o-Xylene	<10	25	10	ng							U
1,2,3-Trichloropropane	<5	10	5	ng							U
Isopropylbenzene	<10	25	10	ng							U
1,3,5-Trimethylbenzene	<10	25	10	ng							U
1,2,4-Trimethylbenzene	<10	25	10	ng							U
1,3-Dichlorobenzene	<5	10	5	ng							U
1,4-Dichlorobenzene	<5	10	5	ng							U
1,2-Dichlorobenzene	<5	10	5	ng							U
1,2,4-Trichlorobenzene	<5	10	5	ng							U
1,2,3-Trichlorobenzene	<5	10	5	ng							U
2-Methylnaphthalene	<5	25	5	ng							U
<i>Surrogate: 1,2-DCA-d4</i>	98.5			ng	100		98.5	70-130			
<i>Surrogate: Toluene-d8</i>	103			ng	100		103	70-130			
<i>Surrogate: Bromofluorobenzene</i>	100			ng	100		100	70-130			

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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TO-17 (Passive) - LCS/LCSD RPD Quality Control Summary

LCS: 23J0032-BS1 File ID: Ka23101202.D
LCSD: B23J033-ICV1 File ID: Ka23101204.D

Analyzed: 10/12/23 10:50
Analyzed: 10/12/23 10:00

Analyte	CAS#	LCS Result (ng)	%REC	Spike Level (ng)	LCSD Result (ng)	%REC	%REC Limits	RPD	RPD Limit	Q
Vinyl Chloride	75-01-4	48.80	97.6	50	43.46	86.90	70-130	11.58	30	
1,1-Dichloroethene	75-35-4	47.96	95.92	50	46.33	92.70	70-130	3.46	30	
Methylene Chloride	75-09-2	50.53	101.06	50	49.14	98.30	70-130	2.79	30	
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	50.70	101.4	50	48.54	97.10	70-130	4.35	30	
trans-1,2-Dichloroethene	156-60-5	49.25	98.5	50	49.71	99.40	70-130	0.93	30	
Methyl-t-butyl ether	1634-04-4	44.72	89.44	50	44.31	88.60	70-130	0.92	30	
1,1-Dichloroethane	75-34-3	48.85	97.7	50	50.22	100.00	70-130	2.77	30	
cis-1,2-Dichloroethene	156-59-2	49.09	98.18	50	50.64	101.00	70-130	3.11	30	
Chloroform	67-66-3	47.73	95.46	50	50.45	101.00	70-130	5.54	30	
1,2-Dichloroethane	107-06-2	47.26	94.52	50	49.85	99.70	70-130	5.33	30	
1,1,1-Trichloroethane	71-55-6	47.60	95.2	50	48.43	96.90	70-130	1.73	30	
Carbon Tetrachloride	56-23-5	49.03	98.06	50	48.72	97.40	70-130	0.63	30	
Benzene	71-43-2	37.91	75.82	50	41.39	82.80	70-130	8.78	30	
Trichloroethene	79-01-6	48.20	96.4	50	50.01	100.00	70-130	3.69	30	
1,4-Dioxane	123-91-1	47.56	95.12	50	46.91	93.80	70-130	1.38	30	
1,1,2-Trichloroethane	79-00-5	50.18	100.36	50	49.98	100.00	70-130	0.40	30	
Toluene	108-88-3	47.41	94.82	50	47.51	95.00	70-130	0.21	30	
1,2-Dibromoethane (EDB)	106-93-4	50.74	101.48	50	51.2	102.00	70-130	0.90	30	
Tetrachloroethene	127-18-4	48.52	97.04	50	49.19	98.40	70-130	1.37	30	
1,1,1,2-Tetrachloroethane	630-20-6	48.44	96.88	50	49.27	98.50	70-130	1.70	30	
Chlorobenzene	108-90-7	46.13	92.26	50	47.01	94.00	70-130	1.89	30	
Ethylbenzene	100-41-4	53.51	107.02	50	53.8	108.00	70-130	0.54	30	
p & m-Xylene	179601-23-1	52.41	104.82	50	53.75	108.00	70-130	2.52	30	
o-Xylene	95-47-6	49.93	99.86	50	49.94	99.90	70-130	0.02	30	
1,2,3-Trichloropropane	96-18-4	49.56	99.12	50	49.35	98.70	70-130	0.42	30	
Isopropylbenzene	98-82-8	51.77	103.54	50	52.28	105.00	70-130	0.98	30	
1,3,5-Trimethylbenzene	108-67-8	53.35	106.7	50	54.47	109.00	70-130	2.08	30	
1,2,4-Trimethylbenzene	95-63-6	47.79	95.58	50	48.91	97.80	70-130	2.32	30	
1,3-Dichlorobenzene	541-73-1	48.45	96.9	50	48.98	98.00	70-130	1.09	30	
1,4-Dichlorobenzene	106-46-7	48.26	96.52	50	48.75	97.50	70-130	1.01	30	
1,2-Dichlorobenzene	95-50-1	46.92	93.84	50	47.47	94.90	70-130	1.17	30	
1,2,4-Trichlorobenzene	120-82-1	44.60	89.2	50	45.69	91.40	70-130	2.41	30	
1,2,3-Trichlorobenzene	87-61-6	48.01	96.02	50	48.77	97.50	70-130	1.57	30	
2-Methylnaphthalene	91-57-6	47.09	94.18	50	47.18	94.40	70-130	0.19	30	

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Additional QC Information

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-01 **Sample Name:** 05R_SSG_01_20231004 **̄ Temp (°C):** 18.33

Vinyl Chloride	10,065	1.00	0.812	U	U	Kb23101207.D
1,1-Dichloroethene	10,065	1.00	0.331	U	U	Kb23101207.D
Methylene Chloride	10,065	1.00	0.351 ^g	U	U	Kb23101207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,065	1.00	0.893 ^g	U	U	Kb23101207.D
trans-1,2-Dichloroethene	10,065	1.00	0.441	U	U	Kb23101207.D
Methyl-t-butyl ether	10,065	1.00	0.501 ^g	U	U	Kb23101207.D
1,1-Dichloroethane	10,065	1.00	0.852	U	U	Kb23101207.D
cis-1,2-Dichloroethene	10,065	1.00	0.532	U	U	Kb23101207.D
Chloroform	10,065	1.00	0.351 ^g	U	U	Kb23101207.D
1,2-Dichloroethane	10,065	1.00	0.562	U	U	Kb23101207.D
1,1,1-Trichloroethane	10,065	1.00	1.053	U	U	Kb23101207.D
Carbon Tetrachloride	10,065	1.00	0.431 ^g	U	U	Kb23101207.D
Benzene	10,065	1.00	0.532	U	U	Kb23101207.D
Trichloroethene	10,065	1.00	0.331	U	U	Kb23101207.D
1,4-Dioxane	10,065	1.00	0.411 ^g	U	U	Kb23101207.D
1,1,2-Trichloroethane	10,065	1.00	0.331 ^g	U	U	Kb23101207.D
Toluene	10,065	1.00	0.401	U	U	Kb23101207.D
1,2-Dibromoethane (EDB)	10,065	1.00	0.391 ^g	U	U	Kb23101207.D
Tetrachloroethene	10,065	1.00	0.411	U	U	Kb23101207.D
1,1,1,2-Tetrachloroethane	10,065	1.00	0.411 ^g	U	U	Kb23101207.D
Chlorobenzene	10,065	1.00	0.852 ^g	U	U	Kb23101207.D
Ethylbenzene	10,065	1.00	0.852	U	U	Kb23101207.D
p & m-Xylene	10,065	1.00	0.883	U	U	Kb23101207.D
o-Xylene	10,065	1.00	0.883	U	U	Kb23101207.D
1,2,3-Trichloropropane	10,065	1.00	0.752 ^g	U	U	Kb23101207.D
Isopropylbenzene	10,065	1.00	0.832 ^g	U	U	Kb23101207.D
1,3,5-Trimethylbenzene	10,065	1.00	0.832 ^g	U	U	Kb23101207.D
1,2,4-Trimethylbenzene	10,065	1.00	0.832 ^g	U	U	Kb23101207.D
1,3-Dichlorobenzene	10,065	1.00	0.752 ^g	U	U	Kb23101207.D
1,4-Dichlorobenzene	10,065	1.00	0.752 ^g	U	U	Kb23101207.D
1,2-Dichlorobenzene	10,065	1.00	0.752 ^g	U	U	Kb23101207.D
1,2,4-Trichlorobenzene	10,065	1.00	0.391 ^g	U	U	Kb23101207.D
Naphthalene	10,065	1.00	0.802 ^g	U	U	Kb23101207.D
1,2,3-Trichlorobenzene	10,065	1.00	0.391 ^g	U	U	Kb23101207.D
2-Methylnaphthalene	10,065	1.00	0.762 ^g	U	U	Kb23101207.D
TPH C5-C8	10,065	1.00	0.592	U	U	Kb23101207.D
TPH C9-C15	10,065	1.00	0.692	U	U	Kb23101207.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-02	Sample Name: 05R_SSG_02_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,046	1.00	0.812	U	U	Kb23101208.D
1,1-Dichloroethene	10,046	1.00	0.331	U	U	Kb23101208.D
Methylene Chloride	10,046	1.00	0.351 ^g	U	U	Kb23101208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,046	1.00	0.893 ^g	U	U	Kb23101208.D
trans-1,2-Dichloroethene	10,046	1.00	0.441	U	U	Kb23101208.D
Methyl-t-butyl ether	10,046	1.00	0.501 ^g	U	U	Kb23101208.D
1,1-Dichloroethane	10,046	1.00	0.852	U	U	Kb23101208.D
cis-1,2-Dichloroethene	10,046	1.00	0.532	U	U	Kb23101208.D
Chloroform	10,046	1.00	0.351 ^g	U	U	Kb23101208.D
1,2-Dichloroethane	10,046	1.00	0.562	U	U	Kb23101208.D
1,1,1-Trichloroethane	10,046	1.00	1.053	U	U	Kb23101208.D
Carbon Tetrachloride	10,046	1.00	0.431 ^g	U	U	Kb23101208.D
Benzene	10,046	1.00	0.532	117.06	21.9	Kb23101208.D
Trichloroethene	10,046	1.00	0.331	U	U	Kb23101208.D
1,4-Dioxane	10,046	1.00	0.411 ^g	182.49	44.2	Kb23101208.D
1,1,2-Trichloroethane	10,046	1.00	0.331 ^g	U	U	Kb23101208.D
Toluene	10,046	1.00	0.401	U	U	Kb23101208.D
1,2-Dibromoethane (EDB)	10,046	1.00	0.391 ^g	U	U	Kb23101208.D
Tetrachloroethene	10,046	1.00	0.411	U	U	Kb23101208.D
1,1,1,2-Tetrachloroethane	10,046	1.00	0.411 ^g	U	U	Kb23101208.D
Chlorobenzene	10,046	1.00	0.852 ^g	U	U	Kb23101208.D
Ethylbenzene	10,046	1.00	0.852	U	U	Kb23101208.D
p & m-Xylene	10,046	1.00	0.883	U	U	Kb23101208.D
o-Xylene	10,046	1.00	0.883	U	U	Kb23101208.D
1,2,3-Trichloropropane	10,046	1.00	0.752 ^g	U	U	Kb23101208.D
Isopropylbenzene	10,046	1.00	0.832 ^g	U	U	Kb23101208.D
1,3,5-Trimethylbenzene	10,046	1.00	0.832 ^g	U	U	Kb23101208.D
1,2,4-Trimethylbenzene	10,046	1.00	0.832 ^g	U	U	Kb23101208.D
1,3-Dichlorobenzene	10,046	1.00	0.752 ^g	U	U	Kb23101208.D
1,4-Dichlorobenzene	10,046	1.00	0.752 ^g	U	U	Kb23101208.D
1,2-Dichlorobenzene	10,046	1.00	0.752 ^g	U	U	Kb23101208.D
1,2,4-Trichlorobenzene	10,046	1.00	0.391 ^g	U	U	Kb23101208.D
Naphthalene	10,046	1.00	0.802 ^g	6.26	0.777	Kb23101208.D
1,2,3-Trichlorobenzene	10,046	1.00	0.391 ^g	U	U	Kb23101208.D
2-Methylnaphthalene	10,046	1.00	0.762 ^g	U	U	Kb23101208.D
TPH C5-C8	10,046	1.00	0.592	U	U	Kb23101208.D
TPH C9-C15	10,046	1.00	0.692	11087.66	1,590	Kb23101208.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-03	Sample Name: 05R_SSG_03_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,030	1.00	0.812	U	U	Kb23101209.D
1,1-Dichloroethene	10,030	1.00	0.331	U	U	Kb23101209.D
Methylene Chloride	10,030	1.00	0.351 ^g	U	U	Kb23101209.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,030	1.00	0.893 ^g	U	U	Kb23101209.D
trans-1,2-Dichloroethene	10,030	1.00	0.441	U	U	Kb23101209.D
Methyl-t-butyl ether	10,030	1.00	0.501 ^g	U	U	Kb23101209.D
1,1-Dichloroethane	10,030	1.00	0.852	U	U	Kb23101209.D
cis-1,2-Dichloroethene	10,030	1.00	0.532	U	U	Kb23101209.D
Chloroform	10,030	1.00	0.351 ^g	6.83	1.94	Kb23101209.D
1,2-Dichloroethane	10,030	1.00	0.562	U	U	Kb23101209.D
1,1,1-Trichloroethane	10,030	1.00	1.053	U	U	Kb23101209.D
Carbon Tetrachloride	10,030	1.00	0.431 ^g	U	U	Kb23101209.D
Benzene	10,030	1.00	0.532	U	U	Kb23101209.D
Trichloroethene	10,030	1.00	0.331	U	U	Kb23101209.D
1,4-Dioxane	10,030	1.00	0.411 ^g	U	U	Kb23101209.D
1,1,2-Trichloroethane	10,030	1.00	0.331 ^g	U	U	Kb23101209.D
Toluene	10,030	1.00	0.401	U	U	Kb23101209.D
1,2-Dibromoethane (EDB)	10,030	1.00	0.391 ^g	U	U	Kb23101209.D
Tetrachloroethene	10,030	1.00	0.411	6.11	1.48	Kb23101209.D
1,1,1,2-Tetrachloroethane	10,030	1.00	0.411 ^g	U	U	Kb23101209.D
Chlorobenzene	10,030	1.00	0.852 ^g	U	U	Kb23101209.D
Ethylbenzene	10,030	1.00	0.852	U	U	Kb23101209.D
p & m-Xylene	10,030	1.00	0.883	U	U	Kb23101209.D
o-Xylene	10,030	1.00	0.883	U	U	Kb23101209.D
1,2,3-Trichloropropane	10,030	1.00	0.752 ^g	U	U	Kb23101209.D
Isopropylbenzene	10,030	1.00	0.832 ^g	U	U	Kb23101209.D
1,3,5-Trimethylbenzene	10,030	1.00	0.832 ^g	U	U	Kb23101209.D
1,2,4-Trimethylbenzene	10,030	1.00	0.832 ^g	U	U	Kb23101209.D
1,3-Dichlorobenzene	10,030	1.00	0.752 ^g	U	U	Kb23101209.D
1,4-Dichlorobenzene	10,030	1.00	0.752 ^g	U	U	Kb23101209.D
1,2-Dichlorobenzene	10,030	1.00	0.752 ^g	U	U	Kb23101209.D
1,2,4-Trichlorobenzene	10,030	1.00	0.391 ^g	U	U	Kb23101209.D
Naphthalene	10,030	1.00	0.802 ^g	U	U	Kb23101209.D
1,2,3-Trichlorobenzene	10,030	1.00	0.391 ^g	U	U	Kb23101209.D
2-Methylnaphthalene	10,030	1.00	0.762 ^g	U	U	Kb23101209.D
TPH C5-C8	10,030	1.00	0.592	U	U	Kb23101209.D
TPH C9-C15	10,030	1.00	0.692	U	U	Kb23101209.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-04 **Sample Name:** 05R_SSG_04_20231004 **̄ Temp (°C):** 18.33

Vinyl Chloride	10,022	1.00	0.812	U	U	Kb23101210.D
1,1-Dichloroethene	10,022	1.00	0.331	U	U	Kb23101210.D
Methylene Chloride	10,022	1.00	0.351 ^g	U	U	Kb23101210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,022	1.00	0.893 ^g	U	U	Kb23101210.D
trans-1,2-Dichloroethene	10,022	1.00	0.441	U	U	Kb23101210.D
Methyl-t-butyl ether	10,022	1.00	0.501 ^g	U	U	Kb23101210.D
1,1-Dichloroethane	10,022	1.00	0.852	U	U	Kb23101210.D
cis-1,2-Dichloroethene	10,022	1.00	0.532	U	U	Kb23101210.D
Chloroform	10,022	1.00	0.351 ^g	8.29	2.36	Kb23101210.D
1,2-Dichloroethane	10,022	1.00	0.562	U	U	Kb23101210.D
1,1,1-Trichloroethane	10,022	1.00	1.053	U	U	Kb23101210.D
Carbon Tetrachloride	10,022	1.00	0.431 ^g	U	U	Kb23101210.D
Benzene	10,022	1.00	0.532	22.31	4.19	Kb23101210.D
Trichloroethene	10,022	1.00	0.331	U	U	Kb23101210.D
1,4-Dioxane	10,022	1.00	0.411 ^g	57.38	13.9	Kb23101210.D
1,1,2-Trichloroethane	10,022	1.00	0.331 ^g	U	U	Kb23101210.D
Toluene	10,022	1.00	0.401	U	U	Kb23101210.D
1,2-Dibromoethane (EDB)	10,022	1.00	0.391 ^g	U	U	Kb23101210.D
Tetrachloroethene	10,022	1.00	0.411	U	U	Kb23101210.D
1,1,1,2-Tetrachloroethane	10,022	1.00	0.411 ^g	U	U	Kb23101210.D
Chlorobenzene	10,022	1.00	0.852 ^g	U	U	Kb23101210.D
Ethylbenzene	10,022	1.00	0.852	U	U	Kb23101210.D
p & m-Xylene	10,022	1.00	0.883	U	U	Kb23101210.D
o-Xylene	10,022	1.00	0.883	U	U	Kb23101210.D
1,2,3-Trichloropropane	10,022	1.00	0.752 ^g	U	U	Kb23101210.D
Isopropylbenzene	10,022	1.00	0.832 ^g	U	U	Kb23101210.D
1,3,5-Trimethylbenzene	10,022	1.00	0.832 ^g	U	U	Kb23101210.D
1,2,4-Trimethylbenzene	10,022	1.00	0.832 ^g	U	U	Kb23101210.D
1,3-Dichlorobenzene	10,022	1.00	0.752 ^g	U	U	Kb23101210.D
1,4-Dichlorobenzene	10,022	1.00	0.752 ^g	U	U	Kb23101210.D
1,2-Dichlorobenzene	10,022	1.00	0.752 ^g	U	U	Kb23101210.D
1,2,4-Trichlorobenzene	10,022	1.00	0.391 ^g	U	U	Kb23101210.D
Naphthalene	10,022	1.00	0.802 ^g	U	U	Kb23101210.D
1,2,3-Trichlorobenzene	10,022	1.00	0.391 ^g	U	U	Kb23101210.D
2-Methylnaphthalene	10,022	1.00	0.762 ^g	U	U	Kb23101210.D
TPH C5-C8	10,022	1.00	0.592	U	U	Kb23101210.D
TPH C9-C15	10,022	1.00	0.692	5710.60	823	Kb23101210.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-05	Sample Name: 05R_SSG_05_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,019	1.00	0.812	U	U	Kb23101211.D
1,1-Dichloroethene	10,019	1.00	0.331	U	U	Kb23101211.D
Methylene Chloride	10,019	1.00	0.351 ^g	U	U	Kb23101211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,019	1.00	0.893 ^g	U	U	Kb23101211.D
trans-1,2-Dichloroethene	10,019	1.00	0.441	U	U	Kb23101211.D
Methyl-t-butyl ether	10,019	1.00	0.501 ^g	U	U	Kb23101211.D
1,1-Dichloroethane	10,019	1.00	0.852	U	U	Kb23101211.D
cis-1,2-Dichloroethene	10,019	1.00	0.532	36.63	6.88	Kb23101211.D
Chloroform	10,019	1.00	0.351 ^g	16.01	4.55	Kb23101211.D
1,2-Dichloroethane	10,019	1.00	0.562	U	U	Kb23101211.D
1,1,1-Trichloroethane	10,019	1.00	1.053	U	U	Kb23101211.D
Carbon Tetrachloride	10,019	1.00	0.431 ^g	U	U	Kb23101211.D
Benzene	10,019	1.00	0.532	16.28	3.06	Kb23101211.D
Trichloroethene	10,019	1.00	0.331	80.21	24.2	Kb23101211.D
1,4-Dioxane	10,019	1.00	0.411 ^g	13.23	3.21	Kb23101211.D
1,1,2-Trichloroethane	10,019	1.00	0.331 ^g	U	U	Kb23101211.D
Toluene	10,019	1.00	0.401	U	U	Kb23101211.D
1,2-Dibromoethane (EDB)	10,019	1.00	0.391 ^g	U	U	Kb23101211.D
Tetrachloroethene	10,019	1.00	0.411	1125.00	273	Kb23101211.D
1,1,1,2-Tetrachloroethane	10,019	1.00	0.411 ^g	U	U	Kb23101211.D
Chlorobenzene	10,019	1.00	0.852 ^g	U	U	Kb23101211.D
Ethylbenzene	10,019	1.00	0.852	U	U	Kb23101211.D
p & m-Xylene	10,019	1.00	0.883	U	U	Kb23101211.D
o-Xylene	10,019	1.00	0.883	U	U	Kb23101211.D
1,2,3-Trichloropropane	10,019	1.00	0.752 ^g	U	U	Kb23101211.D
Isopropylbenzene	10,019	1.00	0.832 ^g	U	U	Kb23101211.D
1,3,5-Trimethylbenzene	10,019	1.00	0.832 ^g	U	U	Kb23101211.D
1,2,4-Trimethylbenzene	10,019	1.00	0.832 ^g	U	U	Kb23101211.D
1,3-Dichlorobenzene	10,019	1.00	0.752 ^g	U	U	Kb23101211.D
1,4-Dichlorobenzene	10,019	1.00	0.752 ^g	U	U	Kb23101211.D
1,2-Dichlorobenzene	10,019	1.00	0.752 ^g	U	U	Kb23101211.D
1,2,4-Trichlorobenzene	10,019	1.00	0.391 ^g	U	U	Kb23101211.D
Naphthalene	10,019	1.00	0.802 ^g	U	U	Kb23101211.D
1,2,3-Trichlorobenzene	10,019	1.00	0.391 ^g	U	U	Kb23101211.D
2-Methylnaphthalene	10,019	1.00	0.762 ^g	U	U	Kb23101211.D
TPH C5-C8	10,019	1.00	0.592	U	U	Kb23101211.D
TPH C9-C15	10,019	1.00	0.692	U	U	Kb23101211.D

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
 Site Location: West Allis, WI
 Project Manager: Jacob Krause

Beacon Proposal: 230920R05
 Lab Work Order: 0007241
 Reported: 10/19/2023

Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-06 Sample Name: 05C_IAB_01_20231003 \bar{X} Temp (°C): 18.33

Vinyl Chloride	10,183	1.00	0.812	U	U	Kb23101212.D
trans-1,2-Dichloroethene	10,183	1.00	0.441	U	U	Kb23101212.D
cis-1,2-Dichloroethene	10,183	1.00	0.532	U	U	Kb23101212.D
Trichloroethene	10,183	1.00	0.331	U	U	Kb23101212.D
Tetrachloroethene	10,183	1.00	0.411	U	U	Kb23101212.D

Lab ID: 0007241-07 Sample Name: 05C_IA1_02_20231003 \bar{X} Temp (°C): 18.33

Vinyl Chloride	10,166	1.00	0.812	U	U	Kb23101213.D
trans-1,2-Dichloroethene	10,166	1.00	0.441	U	U	Kb23101213.D
cis-1,2-Dichloroethene	10,166	1.00	0.532	U	U	Kb23101213.D
Trichloroethene	10,166	1.00	0.331	U	U	Kb23101213.D
Tetrachloroethene	10,166	1.00	0.411	U	U	Kb23101213.D

Lab ID: 0007241-08 Sample Name: 05C_Sump_01_20231003 \bar{X} Temp (°C): 18.33

Vinyl Chloride	10,194	1.00	0.812	U	U	Kb23101214.D
trans-1,2-Dichloroethene	10,194	1.00	0.441	U	U	Kb23101214.D
cis-1,2-Dichloroethene	10,194	1.00	0.532	U	U	Kb23101214.D
Trichloroethene	10,194	1.00	0.331	U	U	Kb23101214.D
Tetrachloroethene	10,194	1.00	0.411	U	U	Kb23101214.D

Lab ID: 0007241-09 Sample Name: 05C_OA_01_20231003 \bar{X} Temp (°C): 18.33

Vinyl Chloride	9,998	1.00	0.812	U	U	Kb23101215.D
trans-1,2-Dichloroethene	9,998	1.00	0.441	U	U	Kb23101215.D
cis-1,2-Dichloroethene	9,998	1.00	0.532	U	U	Kb23101215.D
Trichloroethene	9,998	1.00	0.331	U	U	Kb23101215.D
Tetrachloroethene	9,998	1.00	0.411	U	U	Kb23101215.D

Lab ID: 0007241-10 Sample Name: 05D_IAB_03_20231003 \bar{X} Temp (°C): 18.33

Vinyl Chloride	10,034	1.00	0.812	U	U	Kb23101218.D
trans-1,2-Dichloroethene	10,034	1.00	0.441	U	U	Kb23101218.D
cis-1,2-Dichloroethene	10,034	1.00	0.532	U	U	Kb23101218.D
Trichloroethene	10,034	1.00	0.331	U	U	Kb23101218.D
Tetrachloroethene	10,034	1.00	0.411	U	U	Kb23101218.D

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Sample Result Calculation Summary (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial Result ng	C Calculated Result µg/m ³	File ID
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Lab ID: 0007241-11	Sample Name: 05D_IA1_04_20231003	̄ Temp (°C): 18.33
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Vinyl Chloride	10,020	1.00	0.812	U	U	Kb23101219.D
trans-1,2-Dichloroethene	10,020	1.00	0.441	U	U	Kb23101219.D
cis-1,2-Dichloroethene	10,020	1.00	0.532	U	U	Kb23101219.D
Trichloroethene	10,020	1.00	0.331	U	U	Kb23101219.D
Tetrachloroethene	10,020	1.00	0.411	U	U	Kb23101219.D

Lab ID: 0007241-12	Sample Name: 05D_Sump_02_20231003	̄ Temp (°C): 18.33
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Vinyl Chloride	10,071	1.00	0.812	U	U	Kb23101220.D
trans-1,2-Dichloroethene	10,071	1.00	0.441	U	U	Kb23101220.D
cis-1,2-Dichloroethene	10,071	1.00	0.532	U	U	Kb23101220.D
Trichloroethene	10,071	1.00	0.331	U	U	Kb23101220.D
Tetrachloroethene	10,071	1.00	0.411	U	U	Kb23101220.D

Lab ID: 0007241-13	Sample Name: 05D_OA_02_20231003	̄ Temp (°C): 18.33
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Vinyl Chloride	10,037	1.00	0.812	U	U	Kb23101221.D
trans-1,2-Dichloroethene	10,037	1.00	0.441	U	U	Kb23101221.D
cis-1,2-Dichloroethene	10,037	1.00	0.532	U	U	Kb23101221.D
Trichloroethene	10,037	1.00	0.331	U	U	Kb23101221.D
Tetrachloroethene	10,037	1.00	0.411	U	U	Kb23101221.D

Lab ID: 0007241-14	Sample Name: 05E_IAB_05_20231003	̄ Temp (°C): 18.33
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Vinyl Chloride	9,920	1.00	0.812	U	U	Kb23101222.D
trans-1,2-Dichloroethene	9,920	1.00	0.441	U	U	Kb23101222.D
cis-1,2-Dichloroethene	9,920	1.00	0.532	U	U	Kb23101222.D
Trichloroethene	9,920	1.00	0.331	U	U	Kb23101222.D
Tetrachloroethene	9,920	1.00	0.411	U	U	Kb23101222.D

Lab ID: 0007241-15	Sample Name: 05E_IA1_06_20231003	̄ Temp (°C): 18.33
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Vinyl Chloride	9,905	1.00	0.812	U	U	Kb23101223.D
trans-1,2-Dichloroethene	9,905	1.00	0.441	U	U	Kb23101223.D
cis-1,2-Dichloroethene	9,905	1.00	0.532	U	U	Kb23101223.D
Trichloroethene	9,905	1.00	0.331	U	U	Kb23101223.D
Tetrachloroethene	9,905	1.00	0.411	U	U	Kb23101223.D

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751**Site Name:** Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause**Beacon Proposal:** 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Calculations:

$$C = \frac{1000 \times M \times DF}{U_c \times t}$$

$$U_c = U * \left(\frac{T_s + 273.15}{T_u + 273.15} \right)^{1/2}$$

where: C = concentration ($\mu\text{g}/\text{m}^3$)
M = mass (ng)
DF = dilution factor
U_c = uptake rate (ml/min), corrected
t = sampling time (minutes)
U = compound specific uptake rate
T_u = uptake rate study temperature
T_s = sample average temperature

Note: T_u is 16.65°C

g = Uptake rate determined using Graham's Law of Diffusion.

Reference: Federal Register/Vol. 79, No. 125/June 30, 2014

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Method Detection and Reporting Limit Calculations (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-01	Sample Name: 05R_SSG_01_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,065	1.00	0.812	10.00	5.00	1.22	0.612
1,1-Dichloroethene	10,065	1.00	0.331	10.00	5.00	3.00	1.50
Methylene Chloride	10,065	1.00	0.351 [§]	10.00	5.00	2.83	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,065	1.00	0.893 [§]	10.00	5.00	1.11	0.557
trans-1,2-Dichloroethene	10,065	1.00	0.441	10.00	5.00	2.25	1.13
Methyl-t-butyl ether	10,065	1.00	0.501 [§]	25.00	10.00	4.95	1.98
1,1-Dichloroethane	10,065	1.00	0.852	10.00	5.00	1.17	0.583
cis-1,2-Dichloroethene	10,065	1.00	0.532	10.00	5.00	1.87	0.935
Chloroform	10,065	1.00	0.351 [§]	10.00	5.00	2.83	1.42
1,2-Dichloroethane	10,065	1.00	0.562	10.00	5.00	1.77	0.885
1,1,1-Trichloroethane	10,065	1.00	1.053	10.00	5.00	0.943	0.472
Carbon Tetrachloride	10,065	1.00	0.431 [§]	10.00	5.00	2.30	1.15
Benzene	10,065	1.00	0.532	25.00	10.00	4.67	1.87
Trichloroethene	10,065	1.00	0.331	10.00	5.00	3.00	1.50
1,4-Dioxane	10,065	1.00	0.411 [§]	10.00	5.00	2.42	1.21
1,1,2-Trichloroethane	10,065	1.00	0.331 [§]	10.00	5.00	3.00	1.50
Toluene	10,065	1.00	0.401	25.00	10.00	6.19	2.48
1,2-Dibromoethane (EDB)	10,065	1.00	0.391 [§]	10.00	5.00	2.54	1.27
Tetrachloroethene	10,065	1.00	0.411	10.00	5.00	2.42	1.21
1,1,1,2-Tetrachloroethane	10,065	1.00	0.411 [§]	10.00	5.00	2.42	1.21
Chlorobenzene	10,065	1.00	0.852 [§]	10.00	5.00	1.17	0.583
Ethylbenzene	10,065	1.00	0.852	25.00	10.00	2.91	1.17
p & m-Xylene	10,065	1.00	0.883	25.00	10.00	2.81	1.13
o-Xylene	10,065	1.00	0.883	25.00	10.00	2.81	1.13
1,2,3-Trichloropropane	10,065	1.00	0.752 [§]	10.00	5.00	1.32	0.660
Isopropylbenzene	10,065	1.00	0.832 [§]	25.00	10.00	2.98	1.19
1,3,5-Trimethylbenzene	10,065	1.00	0.832 [§]	25.00	10.00	2.98	1.19
1,2,4-Trimethylbenzene	10,065	1.00	0.832 [§]	25.00	10.00	2.98	1.19
1,3-Dichlorobenzene	10,065	1.00	0.752 [§]	10.00	5.00	1.32	0.660
1,4-Dichlorobenzene	10,065	1.00	0.752 [§]	10.00	5.00	1.32	0.660
1,2-Dichlorobenzene	10,065	1.00	0.752 [§]	10.00	5.00	1.32	0.660
1,2,4-Trichlorobenzene	10,065	1.00	0.391 [§]	10.00	5.00	2.54	1.27
Naphthalene	10,065	1.00	0.802 [§]	25.00	5.00	3.10	0.619
1,2,3-Trichlorobenzene	10,065	1.00	0.391 [§]	10.00	5.00	2.54	1.27
2-Methylnaphthalene	10,065	1.00	0.762 [§]	25.00	5.00	3.26	0.652
TPH C5-C8	10,065	1.00	0.592	5,000.00	5000.00	840	840
TPH C9-C15	10,065	1.00	0.692	5,000.00	5000.00	718	718

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Method Detection and Reporting Limit Calculations (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-02	Sample Name: 05R_SSG_02_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,046	1.00	0.812	10.00	5.00	1.23	0.613
1,1-Dichloroethene	10,046	1.00	0.331	10.00	5.00	3.01	1.50
Methylene Chloride	10,046	1.00	0.351 [§]	10.00	5.00	2.84	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,046	1.00	0.893 [§]	10.00	5.00	1.12	0.558
trans-1,2-Dichloroethene	10,046	1.00	0.441	10.00	5.00	2.26	1.13
Methyl-t-butyl ether	10,046	1.00	0.501 [§]	25.00	10.00	4.96	1.99
1,1-Dichloroethane	10,046	1.00	0.852	10.00	5.00	1.17	0.584
cis-1,2-Dichloroethene	10,046	1.00	0.532	10.00	5.00	1.87	0.936
Chloroform	10,046	1.00	0.351 [§]	10.00	5.00	2.84	1.42
1,2-Dichloroethane	10,046	1.00	0.562	10.00	5.00	1.77	0.886
1,1,1-Trichloroethane	10,046	1.00	1.053	10.00	5.00	0.945	0.473
Carbon Tetrachloride	10,046	1.00	0.431 [§]	10.00	5.00	2.31	1.15
Benzene	10,046	1.00	0.532	25.00	10.00	4.68	1.87
Trichloroethene	10,046	1.00	0.331	10.00	5.00	3.01	1.50
1,4-Dioxane	10,046	1.00	0.411 [§]	10.00	5.00	2.42	1.21
1,1,2-Trichloroethane	10,046	1.00	0.331 [§]	10.00	5.00	3.01	1.50
Toluene	10,046	1.00	0.401	25.00	10.00	6.20	2.48
1,2-Dibromoethane (EDB)	10,046	1.00	0.391 [§]	10.00	5.00	2.54	1.27
Tetrachloroethene	10,046	1.00	0.411	10.00	5.00	2.42	1.21
1,1,1,2-Tetrachloroethane	10,046	1.00	0.411 [§]	10.00	5.00	2.42	1.21
Chlorobenzene	10,046	1.00	0.852 [§]	10.00	5.00	1.17	0.584
Ethylbenzene	10,046	1.00	0.852	25.00	10.00	2.92	1.17
p & m-Xylene	10,046	1.00	0.883	25.00	10.00	2.82	1.13
o-Xylene	10,046	1.00	0.883	25.00	10.00	2.82	1.13
1,2,3-Trichloropropane	10,046	1.00	0.752 [§]	10.00	5.00	1.32	0.662
Isopropylbenzene	10,046	1.00	0.832 [§]	25.00	10.00	2.99	1.20
1,3,5-Trimethylbenzene	10,046	1.00	0.832 [§]	25.00	10.00	2.99	1.20
1,2,4-Trimethylbenzene	10,046	1.00	0.832 [§]	25.00	10.00	2.99	1.20
1,3-Dichlorobenzene	10,046	1.00	0.752 [§]	10.00	5.00	1.32	0.662
1,4-Dichlorobenzene	10,046	1.00	0.752 [§]	10.00	5.00	1.32	0.662
1,2-Dichlorobenzene	10,046	1.00	0.752 [§]	10.00	5.00	1.32	0.662
1,2,4-Trichlorobenzene	10,046	1.00	0.391 [§]	10.00	5.00	2.54	1.27
Naphthalene	10,046	1.00	0.802 [§]	25.00	5.00	3.10	0.620
1,2,3-Trichlorobenzene	10,046	1.00	0.391 [§]	10.00	5.00	2.54	1.27
2-Methylnaphthalene	10,046	1.00	0.762 [§]	25.00	5.00	3.26	0.653
TPH C5-C8	10,046	1.00	0.592	5,000.00	5000.00	841	841
TPH C9-C15	10,046	1.00	0.692	5,000.00	5000.00	719	719

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Method Detection and Reporting Limit Calculations (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-03	Sample Name: 05R_SSG_03_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,030	1.00	0.812	10.00	5.00	1.23	0.614
1,1-Dichloroethene	10,030	1.00	0.331	10.00	5.00	3.01	1.51
Methylene Chloride	10,030	1.00	0.351	10.00	5.00	2.84	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,030	1.00	0.893	10.00	5.00	1.12	0.558
trans-1,2-Dichloroethene	10,030	1.00	0.441	10.00	5.00	2.26	1.13
Methyl-t-butyl ether	10,030	1.00	0.501	25.00	10.00	4.97	1.99
1,1-Dichloroethane	10,030	1.00	0.852	10.00	5.00	1.17	0.585
cis-1,2-Dichloroethene	10,030	1.00	0.532	10.00	5.00	1.88	0.938
Chloroform	10,030	1.00	0.351	10.00	5.00	2.84	1.42
1,2-Dichloroethane	10,030	1.00	0.562	10.00	5.00	1.78	0.888
1,1,1-Trichloroethane	10,030	1.00	1.053	10.00	5.00	0.947	0.473
Carbon Tetrachloride	10,030	1.00	0.431	10.00	5.00	2.31	1.16
Benzene	10,030	1.00	0.532	25.00	10.00	4.69	1.88
Trichloroethene	10,030	1.00	0.331	10.00	5.00	3.01	1.51
1,4-Dioxane	10,030	1.00	0.411	10.00	5.00	2.42	1.21
1,1,2-Trichloroethane	10,030	1.00	0.331	10.00	5.00	3.01	1.51
Toluene	10,030	1.00	0.401	25.00	10.00	6.21	2.49
1,2-Dibromoethane (EDB)	10,030	1.00	0.391	10.00	5.00	2.55	1.27
Tetrachloroethene	10,030	1.00	0.411	10.00	5.00	2.42	1.21
1,1,1,2-Tetrachloroethane	10,030	1.00	0.411	10.00	5.00	2.42	1.21
Chlorobenzene	10,030	1.00	0.852	10.00	5.00	1.17	0.585
Ethylbenzene	10,030	1.00	0.852	25.00	10.00	2.92	1.17
p & m-Xylene	10,030	1.00	0.883	25.00	10.00	2.82	1.13
o-Xylene	10,030	1.00	0.883	25.00	10.00	2.82	1.13
1,2,3-Trichloropropane	10,030	1.00	0.752	10.00	5.00	1.33	0.663
Isopropylbenzene	10,030	1.00	0.832	25.00	10.00	2.99	1.20
1,3,5-Trimethylbenzene	10,030	1.00	0.832	25.00	10.00	2.99	1.20
1,2,4-Trimethylbenzene	10,030	1.00	0.832	25.00	10.00	2.99	1.20
1,3-Dichlorobenzene	10,030	1.00	0.752	10.00	5.00	1.33	0.663
1,4-Dichlorobenzene	10,030	1.00	0.752	10.00	5.00	1.33	0.663
1,2-Dichlorobenzene	10,030	1.00	0.752	10.00	5.00	1.33	0.663
1,2,4-Trichlorobenzene	10,030	1.00	0.391	10.00	5.00	2.55	1.27
Naphthalene	10,030	1.00	0.802	25.00	5.00	3.11	0.621
1,2,3-Trichlorobenzene	10,030	1.00	0.391	10.00	5.00	2.55	1.27
2-Methylnaphthalene	10,030	1.00	0.762	25.00	5.00	3.27	0.654
TPH C5-C8	10,030	1.00	0.592	5,000.00	5000.00	842	842
TPH C9-C15	10,030	1.00	0.692	5,000.00	5000.00	720	720

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Method Detection and Reporting Limit Calculations (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-04 **Sample Name:** 05R_SSG_04_20231004 **̄ Temp (°C):** 18.33

Vinyl Chloride	10,022	1.00	0.812	10.00	5.00	1.23	0.614
1,1-Dichloroethene	10,022	1.00	0.331	10.00	5.00	3.01	1.51
Methylene Chloride	10,022	1.00	0.351	10.00	5.00	2.84	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,022	1.00	0.893	10.00	5.00	1.12	0.559
trans-1,2-Dichloroethene	10,022	1.00	0.441	10.00	5.00	2.26	1.13
Methyl-t-butyl ether	10,022	1.00	0.501	25.00	10.00	4.97	1.99
1,1-Dichloroethane	10,022	1.00	0.852	10.00	5.00	1.17	0.585
cis-1,2-Dichloroethene	10,022	1.00	0.532	10.00	5.00	1.88	0.939
Chloroform	10,022	1.00	0.351	10.00	5.00	2.84	1.42
1,2-Dichloroethane	10,022	1.00	0.562	10.00	5.00	1.78	0.888
1,1,1-Trichloroethane	10,022	1.00	1.053	10.00	5.00	0.948	0.474
Carbon Tetrachloride	10,022	1.00	0.431	10.00	5.00	2.31	1.16
Benzene	10,022	1.00	0.532	25.00	10.00	4.69	1.88
Trichloroethene	10,022	1.00	0.331	10.00	5.00	3.01	1.51
1,4-Dioxane	10,022	1.00	0.411	10.00	5.00	2.43	1.21
1,1,2-Trichloroethane	10,022	1.00	0.331	10.00	5.00	3.01	1.51
Toluene	10,022	1.00	0.401	25.00	10.00	6.22	2.49
1,2-Dibromoethane (EDB)	10,022	1.00	0.391	10.00	5.00	2.55	1.28
Tetrachloroethene	10,022	1.00	0.411	10.00	5.00	2.43	1.21
1,1,1,2-Tetrachloroethane	10,022	1.00	0.411	10.00	5.00	2.43	1.21
Chlorobenzene	10,022	1.00	0.852	10.00	5.00	1.17	0.585
Ethylbenzene	10,022	1.00	0.852	25.00	10.00	2.93	1.17
p & m-Xylene	10,022	1.00	0.883	25.00	10.00	2.83	1.13
o-Xylene	10,022	1.00	0.883	25.00	10.00	2.83	1.13
1,2,3-Trichloropropane	10,022	1.00	0.752	10.00	5.00	1.33	0.663
Isopropylbenzene	10,022	1.00	0.832	25.00	10.00	3.00	1.20
1,3,5-Trimethylbenzene	10,022	1.00	0.832	25.00	10.00	3.00	1.20
1,2,4-Trimethylbenzene	10,022	1.00	0.832	25.00	10.00	3.00	1.20
1,3-Dichlorobenzene	10,022	1.00	0.752	10.00	5.00	1.33	0.663
1,4-Dichlorobenzene	10,022	1.00	0.752	10.00	5.00	1.33	0.663
1,2-Dichlorobenzene	10,022	1.00	0.752	10.00	5.00	1.33	0.663
1,2,4-Trichlorobenzene	10,022	1.00	0.391	10.00	5.00	2.55	1.28
Naphthalene	10,022	1.00	0.802	25.00	5.00	3.11	0.622
1,2,3-Trichlorobenzene	10,022	1.00	0.391	10.00	5.00	2.55	1.28
2-Methylnaphthalene	10,022	1.00	0.762	25.00	5.00	3.27	0.655
TPH C5-C8	10,022	1.00	0.592	5,000.00	5000.00	843	843
TPH C9-C15	10,022	1.00	0.692	5,000.00	5000.00	721	721

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Method Detection and Reporting Limit Calculations (Concentration)
TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-05	Sample Name: 05R_SSG_05_20231004	̄ Temp (°C): 18.33
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Vinyl Chloride	10,019	1.00	0.812	10.00	5.00	1.23	0.614
1,1-Dichloroethene	10,019	1.00	0.331	10.00	5.00	3.02	1.51
Methylene Chloride	10,019	1.00	0.351 [§]	10.00	5.00	2.84	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,019	1.00	0.893 [§]	10.00	5.00	1.12	0.559
trans-1,2-Dichloroethene	10,019	1.00	0.441	10.00	5.00	2.26	1.13
Methyl-t-butyl ether	10,019	1.00	0.501 [§]	25.00	10.00	4.98	1.99
1,1-Dichloroethane	10,019	1.00	0.852	10.00	5.00	1.17	0.585
cis-1,2-Dichloroethene	10,019	1.00	0.532	10.00	5.00	1.88	0.939
Chloroform	10,019	1.00	0.351 [§]	10.00	5.00	2.84	1.42
1,2-Dichloroethane	10,019	1.00	0.562	10.00	5.00	1.78	0.889
1,1,1-Trichloroethane	10,019	1.00	1.053	10.00	5.00	0.948	0.474
Carbon Tetrachloride	10,019	1.00	0.431 [§]	10.00	5.00	2.31	1.16
Benzene	10,019	1.00	0.532	25.00	10.00	4.69	1.88
Trichloroethene	10,019	1.00	0.331	10.00	5.00	3.02	1.51
1,4-Dioxane	10,019	1.00	0.411 [§]	10.00	5.00	2.43	1.21
1,1,2-Trichloroethane	10,019	1.00	0.331 [§]	10.00	5.00	3.02	1.51
Toluene	10,019	1.00	0.401	25.00	10.00	6.22	2.49
1,2-Dibromoethane (EDB)	10,019	1.00	0.391 [§]	10.00	5.00	2.55	1.28
Tetrachloroethene	10,019	1.00	0.411	10.00	5.00	2.43	1.21
1,1,1,2-Tetrachloroethane	10,019	1.00	0.411 [§]	10.00	5.00	2.43	1.21
Chlorobenzene	10,019	1.00	0.852 [§]	10.00	5.00	1.17	0.585
Ethylbenzene	10,019	1.00	0.852	25.00	10.00	2.93	1.17
p & m-Xylene	10,019	1.00	0.883	25.00	10.00	2.83	1.13
o-Xylene	10,019	1.00	0.883	25.00	10.00	2.83	1.13
1,2,3-Trichloropropane	10,019	1.00	0.752 [§]	10.00	5.00	1.33	0.663
Isopropylbenzene	10,019	1.00	0.832 [§]	25.00	10.00	3.00	1.20
1,3,5-Trimethylbenzene	10,019	1.00	0.832 [§]	25.00	10.00	3.00	1.20
1,2,4-Trimethylbenzene	10,019	1.00	0.832 [§]	25.00	10.00	3.00	1.20
1,3-Dichlorobenzene	10,019	1.00	0.752 [§]	10.00	5.00	1.33	0.663
1,4-Dichlorobenzene	10,019	1.00	0.752 [§]	10.00	5.00	1.33	0.663
1,2-Dichlorobenzene	10,019	1.00	0.752 [§]	10.00	5.00	1.33	0.663
1,2,4-Trichlorobenzene	10,019	1.00	0.391 [§]	10.00	5.00	2.55	1.28
Naphthalene	10,019	1.00	0.802 [§]	25.00	5.00	3.11	0.622
1,2,3-Trichlorobenzene	10,019	1.00	0.391 [§]	10.00	5.00	2.55	1.28
2-Methylnaphthalene	10,019	1.00	0.762 [§]	25.00	5.00	3.27	0.655
TPH C5-C8	10,019	1.00	0.592	5,000.00	5000.00	843	843
TPH C9-C15	10,019	1.00	0.692	5,000.00	5000.00	721	721

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Method Detection and Reporting Limit Calculations (Concentration)

TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-06	Sample Name: 05C_IAB_01_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,183	1.00	0.812	10.00	5.00	1.21	0.604
trans-1,2-Dichloroethene	10,183	1.00	0.441	10.00	5.00	2.23	1.11
cis-1,2-Dichloroethene	10,183	1.00	0.532	10.00	5.00	1.85	0.924
Trichloroethene	10,183	1.00	0.331	10.00	5.00	2.97	1.48
Tetrachloroethene	10,183	1.00	0.411	10.00	5.00	2.39	1.19

Lab ID: 0007241-07	Sample Name: 05C_IA1_02_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,166	1.00	0.812	10.00	5.00	1.21	0.605
trans-1,2-Dichloroethene	10,166	1.00	0.441	10.00	5.00	2.23	1.11
cis-1,2-Dichloroethene	10,166	1.00	0.532	10.00	5.00	1.85	0.925
Trichloroethene	10,166	1.00	0.331	10.00	5.00	2.97	1.49
Tetrachloroethene	10,166	1.00	0.411	10.00	5.00	2.39	1.20

Lab ID: 0007241-08	Sample Name: 05C_Sump_01_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,194	1.00	0.812	10.00	5.00	1.21	0.604
trans-1,2-Dichloroethene	10,194	1.00	0.441	10.00	5.00	2.22	1.11
cis-1,2-Dichloroethene	10,194	1.00	0.532	10.00	5.00	1.85	0.923
Trichloroethene	10,194	1.00	0.331	10.00	5.00	2.96	1.48
Tetrachloroethene	10,194	1.00	0.411	10.00	5.00	2.39	1.19

Lab ID: 0007241-09	Sample Name: 05C_OA_01_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	9,998	1.00	0.812	10.00	5.00	1.23	0.616
trans-1,2-Dichloroethene	9,998	1.00	0.441	10.00	5.00	2.27	1.13
cis-1,2-Dichloroethene	9,998	1.00	0.532	10.00	5.00	1.88	0.941
Trichloroethene	9,998	1.00	0.331	10.00	5.00	3.02	1.51
Tetrachloroethene	9,998	1.00	0.411	10.00	5.00	2.43	1.22

Lab ID: 0007241-10	Sample Name: 05D_IAB_03_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,034	1.00	0.812	10.00	5.00	1.23	0.613
trans-1,2-Dichloroethene	10,034	1.00	0.441	10.00	5.00	2.26	1.13
cis-1,2-Dichloroethene	10,034	1.00	0.532	10.00	5.00	1.87	0.937
Trichloroethene	10,034	1.00	0.331	10.00	5.00	3.01	1.51
Tetrachloroethene	10,034	1.00	0.411	10.00	5.00	2.42	1.21

Lab ID: 0007241-11	Sample Name: 05D_IA1_04_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,020	1.00	0.812	10.00	5.00	1.23	0.614
trans-1,2-Dichloroethene	10,020	1.00	0.441	10.00	5.00	2.26	1.13
cis-1,2-Dichloroethene	10,020	1.00	0.532	10.00	5.00	1.88	0.939
Trichloroethene	10,020	1.00	0.331	10.00	5.00	3.02	1.51
Tetrachloroethene	10,020	1.00	0.411	10.00	5.00	2.43	1.21

SCS Engineers
 2830 Dairy Drive
 Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Method Detection and Reporting Limit Calculations (Concentration)

TO-17 (Passive)

Analyte	t Sampling Time minutes	DF Dilution Factor	Uc Uptake Rate	M Initial (ng)		C Calculated (µg/m³)	
				LOQ	LOD	LOQ	LOD

Lab ID: 0007241-12	Sample Name: 05D_Sump_02_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,071	1.00	0.812	10.00	5.00	1.22	0.611
trans-1,2-Dichloroethene	10,071	1.00	0.441	10.00	5.00	2.25	1.13
cis-1,2-Dichloroethene	10,071	1.00	0.532	10.00	5.00	1.87	0.934
Trichloroethene	10,071	1.00	0.331	10.00	5.00	3.00	1.50
Tetrachloroethene	10,071	1.00	0.411	10.00	5.00	2.41	1.21

Lab ID: 0007241-13	Sample Name: 05D_OA_02_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	10,037	1.00	0.812	10.00	5.00	1.23	0.613
trans-1,2-Dichloroethene	10,037	1.00	0.441	10.00	5.00	2.26	1.13
cis-1,2-Dichloroethene	10,037	1.00	0.532	10.00	5.00	1.87	0.937
Trichloroethene	10,037	1.00	0.331	10.00	5.00	3.01	1.51
Tetrachloroethene	10,037	1.00	0.411	10.00	5.00	2.42	1.21

Lab ID: 0007241-14	Sample Name: 05E_IAB_05_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	9,920	1.00	0.812	10.00	5.00	1.24	0.620
trans-1,2-Dichloroethene	9,920	1.00	0.441	10.00	5.00	2.28	1.14
cis-1,2-Dichloroethene	9,920	1.00	0.532	10.00	5.00	1.90	0.948
Trichloroethene	9,920	1.00	0.331	10.00	5.00	3.05	1.52
Tetrachloroethene	9,920	1.00	0.411	10.00	5.00	2.45	1.23

Lab ID: 0007241-15	Sample Name: 05E_IA1_06_20231003	X̄ Temp (°C): 18.33					
Vinyl Chloride	9,905	1.00	0.812	10.00	5.00	1.24	0.621
trans-1,2-Dichloroethene	9,905	1.00	0.441	10.00	5.00	2.29	1.14
cis-1,2-Dichloroethene	9,905	1.00	0.532	10.00	5.00	1.90	0.950
Trichloroethene	9,905	1.00	0.331	10.00	5.00	3.05	1.53
Tetrachloroethene	9,905	1.00	0.411	10.00	5.00	2.46	1.23

SCS Engineers 2830 Dairy Drive Madison, WI 53718-6751	Site Name: Badger Lease and Auto Sales Site Location: West Allis, WI Project Manager: Jacob Krause	Beacon Proposal: 230920R05 Lab Work Order: 0007241 Reported: 10/19/2023
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Laboratory Certification List

Certification ID	Certification No.	Description	Expires	Project Required
Alaska CS-LAP	19-002	Alaska Department of Environmental Conservation	12/30/2024	
DoD-ELAP	72690/L22-563	United States Department of Defense Environmental Laboratory Accreditation	11/30/2024	
ISO/IEC 17025:2017	72690/L22-563	General Requirements for the Competence of Testing and Calibration Laboratories	11/30/2024	
NEFAP	72690/L22-564	TNI National Environmental Field Activities Program (NEFAP)	11/30/2024	
NY-NELAC	12097	New York Department of Health	04/01/2024	
Utah-NELAC	MD010912022-12	Utah Department of Health	12/31/2023	

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Qualifiers/Notes and Definitions

General Definitions:

DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
NA	Not Applicable
Q	Qualifier
RPD	Relative Percent Difference
RT	Retention Times in Minutes
RRT	Evaluation of Relative Retention Times in RRT Units (qualified if outside ± 0.06 control limits)
3σ	Uncertainty
∉	Compound not on scope of accreditation
+	values are outside method/contract required QC limits
∅	Compound not on scope of accreditation and analyzed with a one-point calibration

Sample/Sample Receipt Qualifiers and Notes:

J	Value reported below limit of quantitation (LOQ).
U	Analyte was not detected and is reported as less than the limit of detection (LOD). The LOD has been adjusted for any dilution or concentration of the sample.

SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751

Site Name: Badger Lease and Auto Sales
Site Location: West Allis, WI
Project Manager: Jacob Krause

Beacon Proposal: 230920R05
Lab Work Order: 0007241
Reported: 10/19/2023

Sample Management Records

Client Information		Project Manager: <i>Rob Langdon</i>		Client PO: <i>25222269.04</i>		INDOOR AIR	AMBIENT AIR	CRAWL SPACE	SEWER GAS
Company: <i>SCS Engineers</i>		Project Name: <i>Badger Lease & Auto</i>		Turn around time (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush (specify) ___ days					
Address: <i>2830 Dairy Drive</i>		Location: <i>9601 W. Greenfield Ave, West Allis, WI</i>		Analysis: <input checked="" type="checkbox"/> Method TO-17 <input type="checkbox"/> Method 8260C					
City / State / Zip: <i>Madison, WI 53718</i>		Submitted by: <i>Jacob Krause</i>		Email: <i>jkrause@scsengineers</i>					
Phone: <i>608 224-2830</i>		Email: <i>jkrause@scsengineers</i>							
Location ID	Start Date	Start Time	Stop Date	Stop Time	Aver Temp (C)	Notes			
<i>OSR-SSG-01-20231004</i>	<i>9-27-23</i>	<i>0935</i>	<i>10-4-23</i>	<i>0920</i>	<i>65</i>				<input checked="" type="checkbox"/>
<i>OSR-SSG-02-20231004</i>	↓	<i>0959</i>	↓	<i>0925</i>	↓				<input checked="" type="checkbox"/>
<i>OSR-SSG-03-20231004</i>	↓	<i>1020</i>	↓	<i>0930</i>	↓				<input checked="" type="checkbox"/>
<i>OSR-SSG-04-20231004</i>	↓	<i>1038</i>	↓	<i>0940</i>	↓				<input checked="" type="checkbox"/>
<i>OSR-SSG-05-20231004</i>	↓	<i>1051</i>	↓	<i>0950</i>	↓				<input checked="" type="checkbox"/>
<i>SEE PAGE 2 →</i>									
Special Notes / Instructions: <i>Page 1 samples to be analyzed for full voc list - Also see pg. 2.</i>									
Relinquished by (signature): <i>[Signature]</i>		Date / Time: <i>10-6-23 1100</i>		Received by (signature): <i>Nicole Raf.</i>		Date / Time: <i>10/10/23 10:20</i>			
Relinquished by (signature):		Date / Time:		Received by (signature):		Date / Time:			
For Lab Use Only		Beacon Job No: <i>7241</i>		Beacon Proposal: <i>230920R05</i>					
Courier Name: <i>FedEx</i>		Shipment Condition: <i>Good</i>		Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a		Custody Seal No: <i>5722548 nae</i> <i>57722548</i> <i>10/10/23</i>			

see pg. 2 →

Client Information		Project Manager: <i>Rob Langdon</i>		Client PO: <i>25222267.04</i>		INDOOR AIR	AMBIENT AIR	CRAWL SPACE	SEWER GAS
Company: <i>SCS Engineers</i>		Project Name: <i>Badger Lease & Auto</i>		Turn around time (check one): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush (specify) ___ days					
Address: <i>2830 Dally Drive</i>		Location: <i>7601 W. Greenfield Ave West A(13), WI</i>		Analysis: <input checked="" type="checkbox"/> Method TO-17 <input type="checkbox"/> Method 8260C					
City / State / Zip: <i>Madison WI 53718</i>		Submitted by:							
Phone: <i>608 224 2830</i>		Email:							
Location ID	Start Date	Start Time	Stop Date	Stop Time	Aver Temp (C)	Notes			
<i>05C-IAB-01-20231003</i>	<i>9-26-23</i>	<i>1032</i>	<i>10-3-23</i>	<i>1215</i>	<i>65</i>		X		
<i>05C-IA1-02-20231003</i>		<i>1044</i>		<i>1210</i>			X		
<i>05C-Sump-01-20231003</i>		<i>1036</i>		<i>1230</i>			X		
<i>05C-OA-01-20231003</i>		<i>1402</i>		<i>1240</i>				X	
<i>05D-IAB-03-20231003</i>		<i>1216</i>		<i>1130</i>			X		
<i>05D-IA1-04-20231003</i>		<i>1225</i>		<i>1125</i>			X		
<i>05D-Sump-02-20231003</i>		<i>1144</i>		<i>1135</i>			X		
<i>05D-OA-02-20231003</i>		<i>1245</i>		<i>1202</i>				X	
<i>05E-IAB-05-20231003</i>		<i>1340</i>		<i>1100</i>			X		
<i>05E-IA1-06-20231003</i>	<i>↓</i>	<i>1350</i>	<i>↓</i>	<i>1055</i>	<i>↓</i>		X		
Special Notes / Instructions: <i>Page 2 samples are to be analyzed for <u>CVOC</u> short-list</i>									
For Lab Use Only		Beacon Job No: <i>7241</i>		Beacon Proposal: <i>230920R05</i>					

Tracking Number:

Remove X

9589071052700557684385

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 9:05 am on December 28, 2023 in MILWAUKEE, WI 53214.

Feedback

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

MILWAUKEE, WI 53214

December 28, 2023, 9:05 am

Delivered to Agent for Final Delivery

MILWAUKEE, WI 53214

December 27, 2023, 6:23 pm

Out for Delivery

MILWAUKEE, WI 53214

December 27, 2023, 6:10 am

Arrived at Post Office

MILWAUKEE, WI 53214

December 27, 2023, 5:45 am

In Transit to Next Facility

December 26, 2023

Departed Post Office

MADISON, WI 53714
December 22, 2023, 4:06 pm

USPS in possession of item

MADISON, WI 53714
December 21, 2023, 4:50 pm

Hide Tracking History

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

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USPS Tracking Plus®



Product Information



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Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs