

**From:** Krause, Jacob <JKrause@scsengineers.com>  
**Sent:** Thursday, November 2, 2023 4:54 PM  
**To:** Greg Bartelme  
**Cc:** Langdon, Robert; Borski, Jennifer - DNR; Martinez, Joseph J - DNR  
**Subject:** Sample Results Notification - Badger Lease and Auto Sales, West Allis, WI, BRRTS #02-41-305222  
**Attachments:** Figure 1\_BLAS ROW sample locations.pdf; 7240 Beacon PSG Report 10 19 2023 0730.pdf; 7241 Beacon PSG Report 10 19 2023 0734.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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To Greg Bartelme, City of West Allis Engineering Department:

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 sanitary sewer gas and soil gas samples collected from within the public rights-of-way near the Badger Lease and Auto Sales (BLAS) site by SCS between September 27, 2023 and October 4, 2023. Sanitary sewer gas samples were collected within sanitary manhole structures along W. Greenfield Ave, S. 95<sup>th</sup> St, and S 96<sup>th</sup> St. Soil gas samples were collected in shallow soil within the grass terrace along S. 95<sup>th</sup> St and in the grass median of W. Greenfield Ave. 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 volatile organic compounds (VOCs).

The sample laboratory reports are attached. Please note that only samples beginning with "05R" listed in the laboratory analytical reports are applicable to the rights-of-way. Please disregard other samples included in the reports.

VOC constituents were detected in the sanitary sewer gas samples "05R\_SSG\_02\_20231004", "05R\_SSG\_03\_20231004", "05R\_SSG\_04\_20231004", and "05R\_SSG\_05\_20231004", but at concentrations less than Sanitary Sewer Gas Screening Levels (SSGSLs) established by WDNR. Concentrations of trichloroethene (TCE) and tetrachloroethene (PCE) in excess of 10% of their SSGSLs were reported for sample "05R\_SSG\_02\_20231004", collected from the sanitary manhole along South 95<sup>th</sup> Street southeast of the BLAS site (**Figure 1**). VOCs were not detected in sample "05R\_SSG\_01\_20231004".

A majority of the soil gas samples did not contain detectable concentrations of VOCs. Concentrations of benzene less than its Vapor Risk Screening Levels (VRSLs) for soil gas were reported for samples "05R\_SG\_03\_20231004" and "05R\_SG\_09\_20231004", and p- and m-xylene was reported at a concentration less than its VRSL for sample "05R\_SG\_15\_20231004". Benzene and xylene are petroleum hydrocarbon compounds. PCE, a chlorinated VOC commonly associated with releases of dry-cleaning

solvents, was detected in samples “05R\_SG\_13\_20231004”, “05R\_SG\_14\_20231004”, and “05R\_SG\_15\_20231004” at concentrations less than its VRSL for soil gas.

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](mailto:joseph.martinez@wisconsin.gov) if you have questions concerning the analytical results.

Thank you for your assistance with this project.

Sincerely,

Jacob Krause, PG\*  
Project Hydrogeologist  
SCS Engineers  
2830 Dairy Drive  
Madison, WI 53718-6751 USA  
608-216-7342 (W)  
608-280-1630 (C)  
[jkrause@scsengineers.com](mailto:jkrause@scsengineers.com)

\*Licensed in Wisconsin

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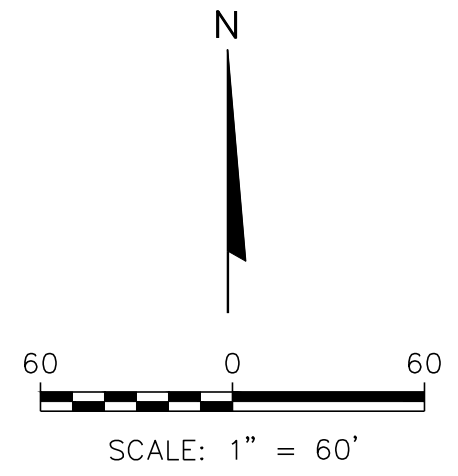
[www.scsengineers.com](http://www.scsengineers.com)

I:\2522269.00\2522269.04 Badger Lease & AutoDrawings\1\_Site Plan.dwg, 10/24/2023 10:00:13 AM



- LEGEND
- PROPERTY LINE (SUBJECT PROPERTY)
  - RESIDENCES
  - TAX PARCELS
  - SANITARY SEWER LINE
  - SANITARY SEWER MANHOLE SAMPLING
  - SOIL GAS SAMPLING LOCATION

- NOTES
1. AERIAL BACKGROUND FROM BING MAPS.
  2. PROPERTY LINES ARE APPROXIMATE AND WERE OBTAINED FROM THE WISCONSIN STATEWIDE PARCEL MAP INITIATIVE. INFORMATION WAS OBTAINED FROM WISCONSIN'S COUNTIES AND CITIES IN 2020 AND THUS MAY NOT BE THE MOST CURRENT, COMPREHENSIVE DATA AVAILABLE.



 WISCONSIN DEPARTMENT OF NATURAL RESOURCES	SITE PLAN	FIGURE
	BADGER LEASE AND AUTO SITE	1
PROJECT NO: 2522269.04	DRAWN BY: SB	ENGINEER
DRAWN: 09/12/2023	CHECKED BY:	SCS ENGINEERS 2830 DAIRY DRIVE, MADISON, WI 53718-6751 PHONE: (608) 224-2830
REVISED: 10/24/2023	APPROVED BY:	



Beacon Environmental  
2203A Commerce Road, Suite 1  
Forest Hill, MD 21050 USA  
1.410.838.8780

## CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 230920R08  
Laboratory Work Order: 0007240

### **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, except compounds reported with € are not included in Beacon's scope of accreditation and all samples were analyzed within a 24-hour tune window. 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:

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Steven C. Thornley  
Laboratory Director

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Peter B. Kelly  
Quality Manager

# Table of Contents

Cover Page	1
Sample Summary	4
Case Narrative	5
Analytical Results	6
Summary of Compound Detections	7
Data Summary Table-Mass	9
Data Summary Table-Concentration	10
Detailed Analytical Results	11
- Mass	12
0007240-01 - 05R_SG_01_20231004	13
0007240-02 - 05R_SG_02_20231004	14
0007240-03 - 05R_SG_03_20231004	15
0007240-04 - 05R_SG_04_20231004	16
0007240-05 - 05R_SG_05_20231004	17
0007240-06 - 05R_SG_06_20231004	18
0007240-07 - 05R_SG_07_20231004	19
0007240-08 - 05R_SG_08_20231004	20
0007240-09 - 05R_SG_09_20231004	21
0007240-10 - 05R_SG_10_20231004	22
0007240-11 - 05R_SG_11_20231004	23
0007240-12 - 05R_SG_12_20231004	24
0007240-13 - 05R_SG_13_20231004	25
0007240-14 - 05R_SG_14_20231004	26
0007240-15 - 05R_SG_15_20231004	27
- Concentration	28

## Table of Contents (continued)

0007240-01 - 05R_SG_01_20231004	29
0007240-02 - 05R_SG_02_20231004	30
0007240-03 - 05R_SG_03_20231004	31
0007240-04 - 05R_SG_04_20231004	32
0007240-05 - 05R_SG_05_20231004	33
0007240-06 - 05R_SG_06_20231004	34
0007240-07 - 05R_SG_07_20231004	35
0007240-08 - 05R_SG_08_20231004	36
0007240-09 - 05R_SG_09_20231004	37
0007240-10 - 05R_SG_10_20231004	38
0007240-11 - 05R_SG_11_20231004	39
0007240-12 - 05R_SG_12_20231004	40
0007240-13 - 05R_SG_13_20231004	41
0007240-14 - 05R_SG_14_20231004	42
0007240-15 - 05R_SG_15_20231004	43
QC Summaries	44
Additional QC Information	51
Sample Result Calculations	52
Equation	67
MRL Calculation Table	68
Certifications	83
Notes and Definitions	84
Sample Management Records	85
Chain of Custody	86

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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

### Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007240-01 Sampler Type:	05R_SG_01_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-02 Sampler Type:	05R_SG_02_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-03 Sampler Type:	05R_SG_03_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-04 Sampler Type:	05R_SG_04_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-05 Sampler Type:	05R_SG_05_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-06 Sampler Type:	05R_SG_06_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-07 Sampler Type:	05R_SG_07_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-08 Sampler Type:	05R_SG_08_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-09 Sampler Type:	05R_SG_09_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-10 Sampler Type:	05R_SG_10_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-11 Sampler Type:	05R_SG_11_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-12 Sampler Type:	05R_SG_12_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-13 Sampler Type:	05R_SG_13_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-14 Sampler Type:	05R_SG_14_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas
0007240-15 Sampler Type:	05R_SG_15_20231004 Beacon Passive Sampler	10/10/2023	EPA 8260C	Soil Gas

#### Project Completeness

**Samples Received:** 15  
**Samples Analyzed:** 15

SCS Engineers  
2830 Dairy Drive  
Madison, WI 53718-6751

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**Lab Work Order:** 0007240  
**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, except compounds reported with  $\notin$  are not included in Beacon's scope of accreditation and samples were analyzed within a 24-hour tune window.



**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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

## *Analytical Results*

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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*Summary of Compound Detections- Mass*

Lab Sample ID: 0007240-03	<b>05R_SG_03_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
<b>Benzene</b>	71-43-2	<b>45</b>		3.766	25	C23101125.D

Lab Sample ID: 0007240-09	<b>05R_SG_09_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
<b>Benzene</b>	71-43-2	<b>28</b>		3.766	25	C23101131.D

Lab Sample ID: 0007240-13	<b>05R_SG_13_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
<b>Tetrachloroethene</b>	127-18-4	<b>36</b>		5.933	10	C23101135.D

Lab Sample ID: 0007240-14	<b>05R_SG_14_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
<b>Tetrachloroethene</b>	127-18-4	<b>16</b>		5.936	10	C23101136.D

Lab Sample ID: 0007240-15	<b>05R_SG_15_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
<b>Tetrachloroethene</b>	127-18-4	<b>15</b>		5.933	10	C23101137.D
<b>p &amp; m-Xylene</b>	179601-23-1	<b>72</b>		7.089	25	C23101137.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

*Summary of Compound Detections- Concentration*

Lab Sample ID: 0007240-03	<b>05R_SG_03_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
<b>Benzene</b>	71-43-2	<b>8.59</b>		3.766	4.72	C23101125.D

Lab Sample ID: 0007240-09	<b>05R_SG_09_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
<b>Benzene</b>	71-43-2	<b>5.35</b>		3.766	4.76	C23101131.D

Lab Sample ID: 0007240-13	<b>05R_SG_13_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
<b>Tetrachloroethene</b>	127-18-4	<b>8.75</b>		5.933	2.46	C23101135.D

Lab Sample ID: 0007240-14	<b>05R_SG_14_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
<b>Tetrachloroethene</b>	127-18-4	<b>4.04</b>		5.936	2.46	C23101136.D

Lab Sample ID: 0007240-15	<b>05R_SG_15_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
<b>Tetrachloroethene</b>	127-18-4	<b>3.57</b>		5.933	2.46	C23101137.D
<b>p &amp; m-Xylene</b>	179601-23-1	<b>8.24</b>		7.089	2.87	C23101137.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023*Data Summary Table- Mass*

<b>Compound</b>	<b>Frequency</b>	<b>LOQ (ng)</b>	<b>Max Value (ng)</b>
Benzene	2	25	45
Tetrachloroethene	3	10	36
p & m-Xylene	1	25	72

**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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023***Data Summary Table- Concentration***

<b>Compound</b>	<b>Frequency</b>	<b>LOQ (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Max Value (<math>\mu\text{g}/\text{m}^3</math>)</b>
Benzene	2	4.72	8.59
Tetrachloroethene	3	2.46	8.75
p & m-Xylene	1	2.87	8.24

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:** 230920R08  
**Lab Work Order:** 0007240  
**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:** 230920R08  
**Lab Work Order:** 0007240  
**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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-01

**05R\_SG\_01\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	10/11/2023 22:11	C23101123.D
1,1-Dichloroethene	75-35-4	<10		10	10/11/2023 22:11	C23101123.D
Methylene Chloride	75-09-2	<10		10	10/11/2023 22:11	C23101123.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/11/2023 22:11	C23101123.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/11/2023 22:11	C23101123.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/11/2023 22:11	C23101123.D
1,1-Dichloroethane	75-34-3	<10		10	10/11/2023 22:11	C23101123.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/11/2023 22:11	C23101123.D
Chloroform	67-66-3	<10		10	10/11/2023 22:11	C23101123.D
1,2-Dichloroethane	107-06-2	<10		10	10/11/2023 22:11	C23101123.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/11/2023 22:11	C23101123.D
Carbon Tetrachloride	56-23-5	<10		10	10/11/2023 22:11	C23101123.D
Benzene	71-43-2	<25		25	10/11/2023 22:11	C23101123.D
Trichloroethene	79-01-6	<10		10	10/11/2023 22:11	C23101123.D
1,4-Dioxane	123-91-1	<10		10	10/11/2023 22:11	C23101123.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/11/2023 22:11	C23101123.D
Toluene	108-88-3	<25		25	10/11/2023 22:11	C23101123.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/11/2023 22:11	C23101123.D
Tetrachloroethene	127-18-4	<10		10	10/11/2023 22:11	C23101123.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/11/2023 22:11	C23101123.D
Chlorobenzene	108-90-7	<10		10	10/11/2023 22:11	C23101123.D
Ethylbenzene	100-41-4	<25		25	10/11/2023 22:11	C23101123.D
p & m-Xylene	179601-23-1	<25		25	10/11/2023 22:11	C23101123.D
o-Xylene	95-47-6	<25		25	10/11/2023 22:11	C23101123.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/11/2023 22:11	C23101123.D
Isopropylbenzene	98-82-8	<25		25	10/11/2023 22:11	C23101123.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/11/2023 22:11	C23101123.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/11/2023 22:11	C23101123.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/11/2023 22:11	C23101123.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/11/2023 22:11	C23101123.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/11/2023 22:11	C23101123.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/11/2023 22:11	C23101123.D
Naphthalene	91-20-3	<25		25	10/11/2023 22:11	C23101123.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/11/2023 22:11	C23101123.D
2-Methylnaphthalene	91-57-6	<25		25	10/11/2023 22:11	C23101123.D
☉ TPH C5-C8		<5,000		5,000	10/11/2023 22:11	C23101123.D
☉ TPH C9-C15		<5,000		5,000	10/11/2023 22:11	C23101123.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	92.0%	70-130		10/11/2023 22:11	C23101123.D
Surrogate: Toluene-d8	2037-26-5	96.0%	70-130		10/11/2023 22:11	C23101123.D
Surrogate: Bromofluorobenzene	460-00-4	94.6%	70-130		10/11/2023 22:11	C23101123.D



<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-02	<b>05R_SG_02_20231004</b>	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 22:40	C23101124.D
1,1-Dichloroethene	75-35-4	<10		10	10/11/2023 22:40	C23101124.D
Methylene Chloride	75-09-2	<10		10	10/11/2023 22:40	C23101124.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/11/2023 22:40	C23101124.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/11/2023 22:40	C23101124.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/11/2023 22:40	C23101124.D
1,1-Dichloroethane	75-34-3	<10		10	10/11/2023 22:40	C23101124.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/11/2023 22:40	C23101124.D
Chloroform	67-66-3	<10		10	10/11/2023 22:40	C23101124.D
1,2-Dichloroethane	107-06-2	<10		10	10/11/2023 22:40	C23101124.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/11/2023 22:40	C23101124.D
Carbon Tetrachloride	56-23-5	<10		10	10/11/2023 22:40	C23101124.D
Benzene	71-43-2	<25		25	10/11/2023 22:40	C23101124.D
Trichloroethene	79-01-6	<10		10	10/11/2023 22:40	C23101124.D
1,4-Dioxane	123-91-1	<10		10	10/11/2023 22:40	C23101124.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/11/2023 22:40	C23101124.D
Toluene	108-88-3	<25		25	10/11/2023 22:40	C23101124.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/11/2023 22:40	C23101124.D
Tetrachloroethene	127-18-4	<10		10	10/11/2023 22:40	C23101124.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/11/2023 22:40	C23101124.D
Chlorobenzene	108-90-7	<10		10	10/11/2023 22:40	C23101124.D
Ethylbenzene	100-41-4	<25		25	10/11/2023 22:40	C23101124.D
p & m-Xylene	179601-23-1	<25		25	10/11/2023 22:40	C23101124.D
o-Xylene	95-47-6	<25		25	10/11/2023 22:40	C23101124.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/11/2023 22:40	C23101124.D
Isopropylbenzene	98-82-8	<25		25	10/11/2023 22:40	C23101124.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/11/2023 22:40	C23101124.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/11/2023 22:40	C23101124.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/11/2023 22:40	C23101124.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/11/2023 22:40	C23101124.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/11/2023 22:40	C23101124.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/11/2023 22:40	C23101124.D
Naphthalene	91-20-3	<25		25	10/11/2023 22:40	C23101124.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/11/2023 22:40	C23101124.D
2-Methylnaphthalene	91-57-6	<25		25	10/11/2023 22:40	C23101124.D
☉ TPH C5-C8		<5,000		5,000	10/11/2023 22:40	C23101124.D
☉ TPH C9-C15		<5,000		5,000	10/11/2023 22:40	C23101124.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	91.8%	70-130		10/11/2023 22:40	C23101124.D
Surrogate: Toluene-d8	2037-26-5	92.4%	70-130		10/11/2023 22:40	C23101124.D
Surrogate: Bromofluorobenzene	460-00-4	97.6%	70-130		10/11/2023 22:40	C23101124.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-03

**05R\_SG\_03\_20231004**

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 23:09	C23101125.D
1,1-Dichloroethene	75-35-4	<10		10	10/11/2023 23:09	C23101125.D
Methylene Chloride	75-09-2	<10		10	10/11/2023 23:09	C23101125.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/11/2023 23:09	C23101125.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/11/2023 23:09	C23101125.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/11/2023 23:09	C23101125.D
1,1-Dichloroethane	75-34-3	<10		10	10/11/2023 23:09	C23101125.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/11/2023 23:09	C23101125.D
Chloroform	67-66-3	<10		10	10/11/2023 23:09	C23101125.D
1,2-Dichloroethane	107-06-2	<10		10	10/11/2023 23:09	C23101125.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/11/2023 23:09	C23101125.D
Carbon Tetrachloride	56-23-5	<10		10	10/11/2023 23:09	C23101125.D
<b>Benzene</b>	71-43-2	<b>45</b>		25	10/11/2023 23:09	C23101125.D
Trichloroethene	79-01-6	<10		10	10/11/2023 23:09	C23101125.D
1,4-Dioxane	123-91-1	<10		10	10/11/2023 23:09	C23101125.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/11/2023 23:09	C23101125.D
Toluene	108-88-3	<25		25	10/11/2023 23:09	C23101125.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/11/2023 23:09	C23101125.D
Tetrachloroethene	127-18-4	<10		10	10/11/2023 23:09	C23101125.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/11/2023 23:09	C23101125.D
Chlorobenzene	108-90-7	<10		10	10/11/2023 23:09	C23101125.D
Ethylbenzene	100-41-4	<25		25	10/11/2023 23:09	C23101125.D
p & m-Xylene	179601-23-1	<25		25	10/11/2023 23:09	C23101125.D
o-Xylene	95-47-6	<25		25	10/11/2023 23:09	C23101125.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/11/2023 23:09	C23101125.D
Isopropylbenzene	98-82-8	<25		25	10/11/2023 23:09	C23101125.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/11/2023 23:09	C23101125.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/11/2023 23:09	C23101125.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/11/2023 23:09	C23101125.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/11/2023 23:09	C23101125.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/11/2023 23:09	C23101125.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/11/2023 23:09	C23101125.D
Naphthalene	91-20-3	<25		25	10/11/2023 23:09	C23101125.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/11/2023 23:09	C23101125.D
2-Methylnaphthalene	91-57-6	<25		25	10/11/2023 23:09	C23101125.D
☉ TPH C5-C8		<5,000		5,000	10/11/2023 23:09	C23101125.D
☉ TPH C9-C15		<5,000		5,000	10/11/2023 23:09	C23101125.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	86.7%	70-130		10/11/2023 23:09	C23101125.D
Surrogate: Toluene-d8	2037-26-5	91.9%	70-130		10/11/2023 23:09	C23101125.D
Surrogate: Bromofluorobenzene	460-00-4	97.3%	70-130		10/11/2023 23:09	C23101125.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-04	<b>05R_SG_04_20231004</b>	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 23:38	C23101126.D
1,1-Dichloroethene	75-35-4	<10		10	10/11/2023 23:38	C23101126.D
Methylene Chloride	75-09-2	<10		10	10/11/2023 23:38	C23101126.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/11/2023 23:38	C23101126.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/11/2023 23:38	C23101126.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/11/2023 23:38	C23101126.D
1,1-Dichloroethane	75-34-3	<10		10	10/11/2023 23:38	C23101126.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/11/2023 23:38	C23101126.D
Chloroform	67-66-3	<10		10	10/11/2023 23:38	C23101126.D
1,2-Dichloroethane	107-06-2	<10		10	10/11/2023 23:38	C23101126.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/11/2023 23:38	C23101126.D
Carbon Tetrachloride	56-23-5	<10		10	10/11/2023 23:38	C23101126.D
Benzene	71-43-2	<25		25	10/11/2023 23:38	C23101126.D
Trichloroethene	79-01-6	<10		10	10/11/2023 23:38	C23101126.D
1,4-Dioxane	123-91-1	<10		10	10/11/2023 23:38	C23101126.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/11/2023 23:38	C23101126.D
Toluene	108-88-3	<25		25	10/11/2023 23:38	C23101126.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/11/2023 23:38	C23101126.D
Tetrachloroethene	127-18-4	<10		10	10/11/2023 23:38	C23101126.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/11/2023 23:38	C23101126.D
Chlorobenzene	108-90-7	<10		10	10/11/2023 23:38	C23101126.D
Ethylbenzene	100-41-4	<25		25	10/11/2023 23:38	C23101126.D
p & m-Xylene	179601-23-1	<25		25	10/11/2023 23:38	C23101126.D
o-Xylene	95-47-6	<25		25	10/11/2023 23:38	C23101126.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/11/2023 23:38	C23101126.D
Isopropylbenzene	98-82-8	<25		25	10/11/2023 23:38	C23101126.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/11/2023 23:38	C23101126.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/11/2023 23:38	C23101126.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/11/2023 23:38	C23101126.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/11/2023 23:38	C23101126.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/11/2023 23:38	C23101126.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/11/2023 23:38	C23101126.D
Naphthalene	91-20-3	<25		25	10/11/2023 23:38	C23101126.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/11/2023 23:38	C23101126.D
2-Methylnaphthalene	91-57-6	<25		25	10/11/2023 23:38	C23101126.D
☉ TPH C5-C8		<5,000		5,000	10/11/2023 23:38	C23101126.D
☉ TPH C9-C15		<5,000		5,000	10/11/2023 23:38	C23101126.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	81.6%	70-130		10/11/2023 23:38	C23101126.D
Surrogate: Toluene-d8	2037-26-5	95.4%	70-130		10/11/2023 23:38	C23101126.D
Surrogate: Bromofluorobenzene	460-00-4	96.9%	70-130		10/11/2023 23:38	C23101126.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-05

**05R\_SG\_05\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	10/12/2023 00:07	C23101127.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 00:07	C23101127.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 00:07	C23101127.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 00:07	C23101127.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 00:07	C23101127.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 00:07	C23101127.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 00:07	C23101127.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 00:07	C23101127.D
Chloroform	67-66-3	<10		10	10/12/2023 00:07	C23101127.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 00:07	C23101127.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 00:07	C23101127.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 00:07	C23101127.D
Benzene	71-43-2	<25		25	10/12/2023 00:07	C23101127.D
Trichloroethene	79-01-6	<10		10	10/12/2023 00:07	C23101127.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 00:07	C23101127.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 00:07	C23101127.D
Toluene	108-88-3	<25		25	10/12/2023 00:07	C23101127.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 00:07	C23101127.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 00:07	C23101127.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 00:07	C23101127.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 00:07	C23101127.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 00:07	C23101127.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 00:07	C23101127.D
o-Xylene	95-47-6	<25		25	10/12/2023 00:07	C23101127.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 00:07	C23101127.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 00:07	C23101127.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 00:07	C23101127.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 00:07	C23101127.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 00:07	C23101127.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 00:07	C23101127.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 00:07	C23101127.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 00:07	C23101127.D
Naphthalene	91-20-3	<25		25	10/12/2023 00:07	C23101127.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 00:07	C23101127.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 00:07	C23101127.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 00:07	C23101127.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 00:07	C23101127.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	84.0%	70-130		10/12/2023 00:07	C23101127.D
Surrogate: Toluene-d8	2037-26-5	94.5%	70-130		10/12/2023 00:07	C23101127.D
Surrogate: Bromofluorobenzene	460-00-4	97.0%	70-130		10/12/2023 00:07	C23101127.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-06	<b>05R_SG_06_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	10/12/2023 00:36	C23101128.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 00:36	C23101128.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 00:36	C23101128.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 00:36	C23101128.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 00:36	C23101128.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 00:36	C23101128.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 00:36	C23101128.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 00:36	C23101128.D
Chloroform	67-66-3	<10		10	10/12/2023 00:36	C23101128.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 00:36	C23101128.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 00:36	C23101128.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 00:36	C23101128.D
Benzene	71-43-2	<25		25	10/12/2023 00:36	C23101128.D
Trichloroethene	79-01-6	<10		10	10/12/2023 00:36	C23101128.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 00:36	C23101128.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 00:36	C23101128.D
Toluene	108-88-3	<25		25	10/12/2023 00:36	C23101128.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 00:36	C23101128.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 00:36	C23101128.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 00:36	C23101128.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 00:36	C23101128.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 00:36	C23101128.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 00:36	C23101128.D
o-Xylene	95-47-6	<25		25	10/12/2023 00:36	C23101128.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 00:36	C23101128.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 00:36	C23101128.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 00:36	C23101128.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 00:36	C23101128.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 00:36	C23101128.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 00:36	C23101128.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 00:36	C23101128.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 00:36	C23101128.D
Naphthalene	91-20-3	<25		25	10/12/2023 00:36	C23101128.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 00:36	C23101128.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 00:36	C23101128.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 00:36	C23101128.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 00:36	C23101128.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	91.3%	70-130		10/12/2023 00:36	C23101128.D
Surrogate: Toluene-d8	2037-26-5	92.9%	70-130		10/12/2023 00:36	C23101128.D
Surrogate: Bromofluorobenzene	460-00-4	97.8%	70-130		10/12/2023 00:36	C23101128.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-07

**05R\_SG\_07\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	10/12/2023 01:09	C23101129.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 01:09	C23101129.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 01:09	C23101129.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 01:09	C23101129.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 01:09	C23101129.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 01:09	C23101129.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 01:09	C23101129.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 01:09	C23101129.D
Chloroform	67-66-3	<10		10	10/12/2023 01:09	C23101129.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 01:09	C23101129.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 01:09	C23101129.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 01:09	C23101129.D
Benzene	71-43-2	<25		25	10/12/2023 01:09	C23101129.D
Trichloroethene	79-01-6	<10		10	10/12/2023 01:09	C23101129.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 01:09	C23101129.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 01:09	C23101129.D
Toluene	108-88-3	<25		25	10/12/2023 01:09	C23101129.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 01:09	C23101129.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 01:09	C23101129.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 01:09	C23101129.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 01:09	C23101129.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 01:09	C23101129.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 01:09	C23101129.D
o-Xylene	95-47-6	<25		25	10/12/2023 01:09	C23101129.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 01:09	C23101129.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 01:09	C23101129.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 01:09	C23101129.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 01:09	C23101129.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 01:09	C23101129.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 01:09	C23101129.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 01:09	C23101129.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 01:09	C23101129.D
Naphthalene	91-20-3	<25		25	10/12/2023 01:09	C23101129.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 01:09	C23101129.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 01:09	C23101129.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 01:09	C23101129.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 01:09	C23101129.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	83.8%	70-130		10/12/2023 01:09	C23101129.D
Surrogate: Toluene-d8	2037-26-5	92.5%	70-130		10/12/2023 01:09	C23101129.D
Surrogate: Bromofluorobenzene	460-00-4	93.6%	70-130		10/12/2023 01:09	C23101129.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-08

**05R\_SG\_08\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	10/12/2023 01:38	C23101130.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 01:38	C23101130.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 01:38	C23101130.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 01:38	C23101130.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 01:38	C23101130.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 01:38	C23101130.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 01:38	C23101130.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 01:38	C23101130.D
Chloroform	67-66-3	<10		10	10/12/2023 01:38	C23101130.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 01:38	C23101130.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 01:38	C23101130.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 01:38	C23101130.D
Benzene	71-43-2	<25		25	10/12/2023 01:38	C23101130.D
Trichloroethene	79-01-6	<10		10	10/12/2023 01:38	C23101130.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 01:38	C23101130.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 01:38	C23101130.D
Toluene	108-88-3	<25		25	10/12/2023 01:38	C23101130.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 01:38	C23101130.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 01:38	C23101130.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 01:38	C23101130.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 01:38	C23101130.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 01:38	C23101130.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 01:38	C23101130.D
o-Xylene	95-47-6	<25		25	10/12/2023 01:38	C23101130.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 01:38	C23101130.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 01:38	C23101130.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 01:38	C23101130.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 01:38	C23101130.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 01:38	C23101130.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 01:38	C23101130.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 01:38	C23101130.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 01:38	C23101130.D
Naphthalene	91-20-3	<25		25	10/12/2023 01:38	C23101130.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 01:38	C23101130.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 01:38	C23101130.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 01:38	C23101130.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 01:38	C23101130.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	82.3%	70-130		10/12/2023 01:38	C23101130.D
Surrogate: Toluene-d8	2037-26-5	89.9%	70-130		10/12/2023 01:38	C23101130.D
Surrogate: Bromofluorobenzene	460-00-4	97.0%	70-130		10/12/2023 01:38	C23101130.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-09	<b>05R_SG_09_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	10/12/2023 02:07	C23101131.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 02:07	C23101131.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 02:07	C23101131.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 02:07	C23101131.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 02:07	C23101131.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 02:07	C23101131.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 02:07	C23101131.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 02:07	C23101131.D
Chloroform	67-66-3	<10		10	10/12/2023 02:07	C23101131.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 02:07	C23101131.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 02:07	C23101131.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 02:07	C23101131.D
<b>Benzene</b>	71-43-2	<b>28</b>		25	10/12/2023 02:07	C23101131.D
Trichloroethene	79-01-6	<10		10	10/12/2023 02:07	C23101131.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 02:07	C23101131.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 02:07	C23101131.D
Toluene	108-88-3	<25		25	10/12/2023 02:07	C23101131.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 02:07	C23101131.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 02:07	C23101131.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 02:07	C23101131.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 02:07	C23101131.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 02:07	C23101131.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 02:07	C23101131.D
o-Xylene	95-47-6	<25		25	10/12/2023 02:07	C23101131.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 02:07	C23101131.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 02:07	C23101131.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 02:07	C23101131.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 02:07	C23101131.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 02:07	C23101131.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 02:07	C23101131.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 02:07	C23101131.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 02:07	C23101131.D
Naphthalene	91-20-3	<25		25	10/12/2023 02:07	C23101131.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 02:07	C23101131.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 02:07	C23101131.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 02:07	C23101131.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 02:07	C23101131.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	82.1%	70-130		10/12/2023 02:07	C23101131.D
Surrogate: Toluene-d8	2037-26-5	93.6%	70-130		10/12/2023 02:07	C23101131.D
Surrogate: Bromofluorobenzene	460-00-4	98.6%	70-130		10/12/2023 02:07	C23101131.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-10

**05R\_SG\_10\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	10/12/2023 02:36	C23101132.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 02:36	C23101132.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 02:36	C23101132.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 02:36	C23101132.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 02:36	C23101132.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 02:36	C23101132.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 02:36	C23101132.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 02:36	C23101132.D
Chloroform	67-66-3	<10		10	10/12/2023 02:36	C23101132.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 02:36	C23101132.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 02:36	C23101132.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 02:36	C23101132.D
Benzene	71-43-2	<25		25	10/12/2023 02:36	C23101132.D
Trichloroethene	79-01-6	<10		10	10/12/2023 02:36	C23101132.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 02:36	C23101132.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 02:36	C23101132.D
Toluene	108-88-3	<25		25	10/12/2023 02:36	C23101132.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 02:36	C23101132.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 02:36	C23101132.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 02:36	C23101132.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 02:36	C23101132.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 02:36	C23101132.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 02:36	C23101132.D
o-Xylene	95-47-6	<25		25	10/12/2023 02:36	C23101132.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 02:36	C23101132.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 02:36	C23101132.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 02:36	C23101132.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 02:36	C23101132.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 02:36	C23101132.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 02:36	C23101132.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 02:36	C23101132.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 02:36	C23101132.D
Naphthalene	91-20-3	<25		25	10/12/2023 02:36	C23101132.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 02:36	C23101132.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 02:36	C23101132.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 02:36	C23101132.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 02:36	C23101132.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	87.5%	70-130		10/12/2023 02:36	C23101132.D
Surrogate: Toluene-d8	2037-26-5	93.7%	70-130		10/12/2023 02:36	C23101132.D
Surrogate: Bromofluorobenzene	460-00-4	97.5%	70-130		10/12/2023 02:36	C23101132.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-11

**05R\_SG\_11\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	10/12/2023 03:05	C23101133.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 03:05	C23101133.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 03:05	C23101133.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 03:05	C23101133.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 03:05	C23101133.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 03:05	C23101133.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 03:05	C23101133.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 03:05	C23101133.D
Chloroform	67-66-3	<10		10	10/12/2023 03:05	C23101133.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 03:05	C23101133.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 03:05	C23101133.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 03:05	C23101133.D
Benzene	71-43-2	<25		25	10/12/2023 03:05	C23101133.D
Trichloroethene	79-01-6	<10		10	10/12/2023 03:05	C23101133.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 03:05	C23101133.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 03:05	C23101133.D
Toluene	108-88-3	<25		25	10/12/2023 03:05	C23101133.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 03:05	C23101133.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 03:05	C23101133.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 03:05	C23101133.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 03:05	C23101133.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 03:05	C23101133.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 03:05	C23101133.D
o-Xylene	95-47-6	<25		25	10/12/2023 03:05	C23101133.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 03:05	C23101133.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 03:05	C23101133.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 03:05	C23101133.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 03:05	C23101133.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 03:05	C23101133.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 03:05	C23101133.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 03:05	C23101133.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 03:05	C23101133.D
Naphthalene	91-20-3	<25		25	10/12/2023 03:05	C23101133.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 03:05	C23101133.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 03:05	C23101133.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 03:05	C23101133.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 03:05	C23101133.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	83.2%	70-130		10/12/2023 03:05	C23101133.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130		10/12/2023 03:05	C23101133.D
Surrogate: Bromofluorobenzene	460-00-4	99.2%	70-130		10/12/2023 03:05	C23101133.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-12

**05R\_SG\_12\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result		LOQ (ng)	Analyzed	File ID
		(ng)	Q			
Vinyl Chloride	75-01-4	<10		10	10/12/2023 03:36	C23101134.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 03:36	C23101134.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 03:36	C23101134.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 03:36	C23101134.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 03:36	C23101134.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 03:36	C23101134.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 03:36	C23101134.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 03:36	C23101134.D
Chloroform	67-66-3	<10		10	10/12/2023 03:36	C23101134.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 03:36	C23101134.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 03:36	C23101134.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 03:36	C23101134.D
Benzene	71-43-2	<25		25	10/12/2023 03:36	C23101134.D
Trichloroethene	79-01-6	<10		10	10/12/2023 03:36	C23101134.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 03:36	C23101134.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 03:36	C23101134.D
Toluene	108-88-3	<25		25	10/12/2023 03:36	C23101134.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 03:36	C23101134.D
Tetrachloroethene	127-18-4	<10		10	10/12/2023 03:36	C23101134.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 03:36	C23101134.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 03:36	C23101134.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 03:36	C23101134.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 03:36	C23101134.D
o-Xylene	95-47-6	<25		25	10/12/2023 03:36	C23101134.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 03:36	C23101134.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 03:36	C23101134.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 03:36	C23101134.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 03:36	C23101134.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 03:36	C23101134.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 03:36	C23101134.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 03:36	C23101134.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 03:36	C23101134.D
Naphthalene	91-20-3	<25		25	10/12/2023 03:36	C23101134.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 03:36	C23101134.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 03:36	C23101134.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 03:36	C23101134.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 03:36	C23101134.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	74.8%	70-130		10/12/2023 03:36	C23101134.D
Surrogate: Toluene-d8	2037-26-5	96.9%	70-130		10/12/2023 03:36	C23101134.D
Surrogate: Bromofluorobenzene	460-00-4	97.5%	70-130		10/12/2023 03:36	C23101134.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-13	<b>05R_SG_13_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	10/12/2023 04:05	C23101135.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 04:05	C23101135.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 04:05	C23101135.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 04:05	C23101135.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 04:05	C23101135.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 04:05	C23101135.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 04:05	C23101135.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 04:05	C23101135.D
Chloroform	67-66-3	<10		10	10/12/2023 04:05	C23101135.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 04:05	C23101135.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 04:05	C23101135.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 04:05	C23101135.D
Benzene	71-43-2	<25		25	10/12/2023 04:05	C23101135.D
Trichloroethene	79-01-6	<10		10	10/12/2023 04:05	C23101135.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 04:05	C23101135.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 04:05	C23101135.D
Toluene	108-88-3	<25		25	10/12/2023 04:05	C23101135.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 04:05	C23101135.D
<b>Tetrachloroethene</b>	127-18-4	<b>36</b>		10	10/12/2023 04:05	C23101135.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 04:05	C23101135.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 04:05	C23101135.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 04:05	C23101135.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 04:05	C23101135.D
o-Xylene	95-47-6	<25		25	10/12/2023 04:05	C23101135.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 04:05	C23101135.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 04:05	C23101135.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 04:05	C23101135.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 04:05	C23101135.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 04:05	C23101135.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 04:05	C23101135.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 04:05	C23101135.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 04:05	C23101135.D
Naphthalene	91-20-3	<25		25	10/12/2023 04:05	C23101135.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 04:05	C23101135.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 04:05	C23101135.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 04:05	C23101135.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 04:05	C23101135.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	77.6%	70-130		10/12/2023 04:05	C23101135.D
Surrogate: Toluene-d8	2037-26-5	90.9%	70-130		10/12/2023 04:05	C23101135.D
Surrogate: Bromofluorobenzene	460-00-4	98.6%	70-130		10/12/2023 04:05	C23101135.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-14

**05R\_SG\_14\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	10/12/2023 04:33	C23101136.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 04:33	C23101136.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 04:33	C23101136.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 04:33	C23101136.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 04:33	C23101136.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 04:33	C23101136.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 04:33	C23101136.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 04:33	C23101136.D
Chloroform	67-66-3	<10		10	10/12/2023 04:33	C23101136.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 04:33	C23101136.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 04:33	C23101136.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 04:33	C23101136.D
Benzene	71-43-2	<25		25	10/12/2023 04:33	C23101136.D
Trichloroethene	79-01-6	<10		10	10/12/2023 04:33	C23101136.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 04:33	C23101136.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 04:33	C23101136.D
Toluene	108-88-3	<25		25	10/12/2023 04:33	C23101136.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 04:33	C23101136.D
<b>Tetrachloroethene</b>	127-18-4	<b>16</b>		10	10/12/2023 04:33	C23101136.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 04:33	C23101136.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 04:33	C23101136.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 04:33	C23101136.D
p & m-Xylene	179601-23-1	<25		25	10/12/2023 04:33	C23101136.D
o-Xylene	95-47-6	<25		25	10/12/2023 04:33	C23101136.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 04:33	C23101136.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 04:33	C23101136.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 04:33	C23101136.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 04:33	C23101136.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 04:33	C23101136.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 04:33	C23101136.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 04:33	C23101136.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 04:33	C23101136.D
Naphthalene	91-20-3	<25		25	10/12/2023 04:33	C23101136.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 04:33	C23101136.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 04:33	C23101136.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 04:33	C23101136.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 04:33	C23101136.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	81.1%	70-130		10/12/2023 04:33	C23101136.D
Surrogate: Toluene-d8	2037-26-5	91.0%	70-130		10/12/2023 04:33	C23101136.D
Surrogate: Bromofluorobenzene	460-00-4	95.5%	70-130		10/12/2023 04:33	C23101136.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-15	<b>05R_SG_15_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	10/12/2023 05:02	C23101137.D
1,1-Dichloroethene	75-35-4	<10		10	10/12/2023 05:02	C23101137.D
Methylene Chloride	75-09-2	<10		10	10/12/2023 05:02	C23101137.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	10/12/2023 05:02	C23101137.D
trans-1,2-Dichloroethene	156-60-5	<10		10	10/12/2023 05:02	C23101137.D
Methyl-t-butyl ether	1634-04-4	<25		25	10/12/2023 05:02	C23101137.D
1,1-Dichloroethane	75-34-3	<10		10	10/12/2023 05:02	C23101137.D
cis-1,2-Dichloroethene	156-59-2	<10		10	10/12/2023 05:02	C23101137.D
Chloroform	67-66-3	<10		10	10/12/2023 05:02	C23101137.D
1,2-Dichloroethane	107-06-2	<10		10	10/12/2023 05:02	C23101137.D
1,1,1-Trichloroethane	71-55-6	<10		10	10/12/2023 05:02	C23101137.D
Carbon Tetrachloride	56-23-5	<10		10	10/12/2023 05:02	C23101137.D
Benzene	71-43-2	<25		25	10/12/2023 05:02	C23101137.D
Trichloroethene	79-01-6	<10		10	10/12/2023 05:02	C23101137.D
1,4-Dioxane	123-91-1	<10		10	10/12/2023 05:02	C23101137.D
1,1,2-Trichloroethane	79-00-5	<10		10	10/12/2023 05:02	C23101137.D
Toluene	108-88-3	<25		25	10/12/2023 05:02	C23101137.D
1,2-Dibromoethane (EDB)	106-93-4	<10		10	10/12/2023 05:02	C23101137.D
<b>Tetrachloroethene</b>	127-18-4	<b>15</b>		10	10/12/2023 05:02	C23101137.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	10/12/2023 05:02	C23101137.D
Chlorobenzene	108-90-7	<10		10	10/12/2023 05:02	C23101137.D
Ethylbenzene	100-41-4	<25		25	10/12/2023 05:02	C23101137.D
<b>p &amp; m-Xylene</b>	179601-23-1	<b>72</b>		25	10/12/2023 05:02	C23101137.D
o-Xylene	95-47-6	<25		25	10/12/2023 05:02	C23101137.D
1,2,3-Trichloropropane	96-18-4	<10		10	10/12/2023 05:02	C23101137.D
Isopropylbenzene	98-82-8	<25		25	10/12/2023 05:02	C23101137.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	10/12/2023 05:02	C23101137.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	10/12/2023 05:02	C23101137.D
1,3-Dichlorobenzene	541-73-1	<10		10	10/12/2023 05:02	C23101137.D
1,4-Dichlorobenzene	106-46-7	<10		10	10/12/2023 05:02	C23101137.D
1,2-Dichlorobenzene	95-50-1	<10		10	10/12/2023 05:02	C23101137.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	10/12/2023 05:02	C23101137.D
Naphthalene	91-20-3	<25		25	10/12/2023 05:02	C23101137.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	10/12/2023 05:02	C23101137.D
2-Methylnaphthalene	91-57-6	<25		25	10/12/2023 05:02	C23101137.D
☉ TPH C5-C8		<5,000		5,000	10/12/2023 05:02	C23101137.D
☉ TPH C9-C15		<5,000		5,000	10/12/2023 05:02	C23101137.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	83.8%	70-130		10/12/2023 05:02	C23101137.D
Surrogate: Toluene-d8	2037-26-5	94.6%	70-130		10/12/2023 05:02	C23101137.D
Surrogate: Bromofluorobenzene	460-00-4	99.0%	70-130		10/12/2023 05:02	C23101137.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

*Detailed Analytical Results- Concentration*

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-01	<b>05R_SG_01_20231004</b>	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 22:11	C23101123.D
1,1-Dichloroethene	75-35-4	<3.03		3.03	10/11/2023 22:11	C23101123.D
Methylene Chloride	75-09-2	<2.86		2.86	10/11/2023 22:11	C23101123.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.12		1.12	10/11/2023 22:11	C23101123.D
trans-1,2-Dichloroethene	156-60-5	<2.27		2.27	10/11/2023 22:11	C23101123.D
Methyl-t-butyl ether	1634-04-4	<5.00		5.00	10/11/2023 22:11	C23101123.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/11/2023 22:11	C23101123.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/11/2023 22:11	C23101123.D
Chloroform	67-66-3	<2.86		2.86	10/11/2023 22:11	C23101123.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/11/2023 22:11	C23101123.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/11/2023 22:11	C23101123.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/11/2023 22:11	C23101123.D
Benzene	71-43-2	<4.72		4.72	10/11/2023 22:11	C23101123.D
Trichloroethene	79-01-6	<3.03		3.03	10/11/2023 22:11	C23101123.D
1,4-Dioxane	123-91-1	<2.44		2.44	10/11/2023 22:11	C23101123.D
1,1,2-Trichloroethane	79-00-5	<3.03		3.03	10/11/2023 22:11	C23101123.D
Toluene	108-88-3	<6.25		6.25	10/11/2023 22:11	C23101123.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/11/2023 22:11	C23101123.D
Tetrachloroethene	127-18-4	<2.44		2.44	10/11/2023 22:11	C23101123.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.44		2.44	10/11/2023 22:11	C23101123.D
Chlorobenzene	108-90-7	<1.18		1.18	10/11/2023 22:11	C23101123.D
Ethylbenzene	100-41-4	<2.94		2.94	10/11/2023 22:11	C23101123.D
p & m-Xylene	179601-23-1	<2.84		2.84	10/11/2023 22:11	C23101123.D
o-Xylene	95-47-6	<2.84		2.84	10/11/2023 22:11	C23101123.D
1,2,3-Trichloropropane	96-18-4	<1.33		1.33	10/11/2023 22:11	C23101123.D
Isopropylbenzene	98-82-8	<3.01		3.01	10/11/2023 22:11	C23101123.D
1,3,5-Trimethylbenzene	108-67-8	<3.01		3.01	10/11/2023 22:11	C23101123.D
1,2,4-Trimethylbenzene	95-63-6	<3.01		3.01	10/11/2023 22:11	C23101123.D
1,3-Dichlorobenzene	541-73-1	<1.33		1.33	10/11/2023 22:11	C23101123.D
1,4-Dichlorobenzene	106-46-7	<1.33		1.33	10/11/2023 22:11	C23101123.D
1,2-Dichlorobenzene	95-50-1	<1.33		1.33	10/11/2023 22:11	C23101123.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/11/2023 22:11	C23101123.D
Naphthalene	91-20-3	<3.13		3.13	10/11/2023 22:11	C23101123.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/11/2023 22:11	C23101123.D
2-Methylnaphthalene	91-57-6	<3.29		3.29	10/11/2023 22:11	C23101123.D
ε TPH C5-C8		<848		848	10/11/2023 22:11	C23101123.D
ε TPH C9-C15		<725		725	10/11/2023 22:11	C23101123.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	92.0%	70-130		10/11/2023 22:11	C23101123.D
Surrogate: Toluene-d8	2037-26-5	96.0%	70-130		10/11/2023 22:11	C23101123.D
Surrogate: Bromofluorobenzene	460-00-4	94.6%	70-130		10/11/2023 22:11	C23101123.D



<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-02	<b>05R_SG_02_20231004</b>	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 22:40	C23101124.D
1,1-Dichloroethene	75-35-4	<3.03		3.03	10/11/2023 22:40	C23101124.D
Methylene Chloride	75-09-2	<2.86		2.86	10/11/2023 22:40	C23101124.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.12		1.12	10/11/2023 22:40	C23101124.D
trans-1,2-Dichloroethene	156-60-5	<2.27		2.27	10/11/2023 22:40	C23101124.D
Methyl-t-butyl ether	1634-04-4	<5.00		5.00	10/11/2023 22:40	C23101124.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/11/2023 22:40	C23101124.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/11/2023 22:40	C23101124.D
Chloroform	67-66-3	<2.86		2.86	10/11/2023 22:40	C23101124.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/11/2023 22:40	C23101124.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/11/2023 22:40	C23101124.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/11/2023 22:40	C23101124.D
Benzene	71-43-2	<4.72		4.72	10/11/2023 22:40	C23101124.D
Trichloroethene	79-01-6	<3.03		3.03	10/11/2023 22:40	C23101124.D
1,4-Dioxane	123-91-1	<2.44		2.44	10/11/2023 22:40	C23101124.D
1,1,2-Trichloroethane	79-00-5	<3.03		3.03	10/11/2023 22:40	C23101124.D
Toluene	108-88-3	<6.26		6.26	10/11/2023 22:40	C23101124.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/11/2023 22:40	C23101124.D
Tetrachloroethene	127-18-4	<2.44		2.44	10/11/2023 22:40	C23101124.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.44		2.44	10/11/2023 22:40	C23101124.D
Chlorobenzene	108-90-7	<1.18		1.18	10/11/2023 22:40	C23101124.D
Ethylbenzene	100-41-4	<2.94		2.94	10/11/2023 22:40	C23101124.D
p & m-Xylene	179601-23-1	<2.84		2.84	10/11/2023 22:40	C23101124.D
o-Xylene	95-47-6	<2.84		2.84	10/11/2023 22:40	C23101124.D
1,2,3-Trichloropropane	96-18-4	<1.33		1.33	10/11/2023 22:40	C23101124.D
Isopropylbenzene	98-82-8	<3.01		3.01	10/11/2023 22:40	C23101124.D
1,3,5-Trimethylbenzene	108-67-8	<3.01		3.01	10/11/2023 22:40	C23101124.D
1,2,4-Trimethylbenzene	95-63-6	<3.01		3.01	10/11/2023 22:40	C23101124.D
1,3-Dichlorobenzene	541-73-1	<1.33		1.33	10/11/2023 22:40	C23101124.D
1,4-Dichlorobenzene	106-46-7	<1.33		1.33	10/11/2023 22:40	C23101124.D
1,2-Dichlorobenzene	95-50-1	<1.33		1.33	10/11/2023 22:40	C23101124.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/11/2023 22:40	C23101124.D
Naphthalene	91-20-3	<3.13		3.13	10/11/2023 22:40	C23101124.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/11/2023 22:40	C23101124.D
2-Methylnaphthalene	91-57-6	<3.29		3.29	10/11/2023 22:40	C23101124.D
ε TPH C5-C8		<848		848	10/11/2023 22:40	C23101124.D
ε TPH C9-C15		<725		725	10/11/2023 22:40	C23101124.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	91.8%	70-130		10/11/2023 22:40	C23101124.D
Surrogate: Toluene-d8	2037-26-5	92.4%	70-130		10/11/2023 22:40	C23101124.D
Surrogate: Bromofluorobenzene	460-00-4	97.6%	70-130		10/11/2023 22:40	C23101124.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-03	<b>05R_SG_03_20231004</b>	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 23:09	C23101125.D
1,1-Dichloroethene	75-35-4	<3.03		3.03	10/11/2023 23:09	C23101125.D
Methylene Chloride	75-09-2	<2.86		2.86	10/11/2023 23:09	C23101125.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/11/2023 23:09	C23101125.D
trans-1,2-Dichloroethene	156-60-5	<2.28		2.28	10/11/2023 23:09	C23101125.D
Methyl-t-butyl ether	1634-04-4	<5.01		5.01	10/11/2023 23:09	C23101125.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/11/2023 23:09	C23101125.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/11/2023 23:09	C23101125.D
Chloroform	67-66-3	<2.86		2.86	10/11/2023 23:09	C23101125.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/11/2023 23:09	C23101125.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/11/2023 23:09	C23101125.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/11/2023 23:09	C23101125.D
<b>Benzene</b>	71-43-2	<b>8.59</b>		4.72	10/11/2023 23:09	C23101125.D
Trichloroethene	79-01-6	<3.03		3.03	10/11/2023 23:09	C23101125.D
1,4-Dioxane	123-91-1	<2.44		2.44	10/11/2023 23:09	C23101125.D
1,1,2-Trichloroethane	79-00-5	<3.03		3.03	10/11/2023 23:09	C23101125.D
Toluene	108-88-3	<6.26		6.26	10/11/2023 23:09	C23101125.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/11/2023 23:09	C23101125.D
Tetrachloroethene	127-18-4	<2.44		2.44	10/11/2023 23:09	C23101125.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.44		2.44	10/11/2023 23:09	C23101125.D
Chlorobenzene	108-90-7	<1.18		1.18	10/11/2023 23:09	C23101125.D
Ethylbenzene	100-41-4	<2.95		2.95	10/11/2023 23:09	C23101125.D
p & m-Xylene	179601-23-1	<2.85		2.85	10/11/2023 23:09	C23101125.D
o-Xylene	95-47-6	<2.85		2.85	10/11/2023 23:09	C23101125.D
1,2,3-Trichloropropane	96-18-4	<1.34		1.34	10/11/2023 23:09	C23101125.D
Isopropylbenzene	98-82-8	<3.02		3.02	10/11/2023 23:09	C23101125.D
1,3,5-Trimethylbenzene	108-67-8	<3.02		3.02	10/11/2023 23:09	C23101125.D
1,2,4-Trimethylbenzene	95-63-6	<3.02		3.02	10/11/2023 23:09	C23101125.D
1,3-Dichlorobenzene	541-73-1	<1.34		1.34	10/11/2023 23:09	C23101125.D
1,4-Dichlorobenzene	106-46-7	<1.34		1.34	10/11/2023 23:09	C23101125.D
1,2-Dichlorobenzene	95-50-1	<1.34		1.34	10/11/2023 23:09	C23101125.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/11/2023 23:09	C23101125.D
Naphthalene	91-20-3	<3.13		3.13	10/11/2023 23:09	C23101125.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/11/2023 23:09	C23101125.D
2-Methylnaphthalene	91-57-6	<3.29		3.29	10/11/2023 23:09	C23101125.D
ε TPH C5-C8		<849		849	10/11/2023 23:09	C23101125.D
ε TPH C9-C15		<726		726	10/11/2023 23:09	C23101125.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	86.7%	70-130		10/11/2023 23:09	C23101125.D
Surrogate: Toluene-d8	2037-26-5	91.9%	70-130		10/11/2023 23:09	C23101125.D
Surrogate: Bromofluorobenzene	460-00-4	97.3%	70-130		10/11/2023 23:09	C23101125.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-04

**05R\_SG\_04\_20231004**

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 23:38	C23101126.D
1,1-Dichloroethene	75-35-4	<3.03		3.03	10/11/2023 23:38	C23101126.D
Methylene Chloride	75-09-2	<2.86		2.86	10/11/2023 23:38	C23101126.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/11/2023 23:38	C23101126.D
trans-1,2-Dichloroethene	156-60-5	<2.28		2.28	10/11/2023 23:38	C23101126.D
Methyl-t-butyl ether	1634-04-4	<5.01		5.01	10/11/2023 23:38	C23101126.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/11/2023 23:38	C23101126.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/11/2023 23:38	C23101126.D
Chloroform	67-66-3	<2.86		2.86	10/11/2023 23:38	C23101126.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/11/2023 23:38	C23101126.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/11/2023 23:38	C23101126.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/11/2023 23:38	C23101126.D
Benzene	71-43-2	<4.72		4.72	10/11/2023 23:38	C23101126.D
Trichloroethene	79-01-6	<3.03		3.03	10/11/2023 23:38	C23101126.D
1,4-Dioxane	123-91-1	<2.44		2.44	10/11/2023 23:38	C23101126.D
1,1,2-Trichloroethane	79-00-5	<3.03		3.03	10/11/2023 23:38	C23101126.D
Toluene	108-88-3	<6.26		6.26	10/11/2023 23:38	C23101126.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/11/2023 23:38	C23101126.D
Tetrachloroethene	127-18-4	<2.44		2.44	10/11/2023 23:38	C23101126.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.44		2.44	10/11/2023 23:38	C23101126.D
Chlorobenzene	108-90-7	<1.18		1.18	10/11/2023 23:38	C23101126.D
Ethylbenzene	100-41-4	<2.95		2.95	10/11/2023 23:38	C23101126.D
p & m-Xylene	179601-23-1	<2.85		2.85	10/11/2023 23:38	C23101126.D
o-Xylene	95-47-6	<2.85		2.85	10/11/2023 23:38	C23101126.D
1,2,3-Trichloropropane	96-18-4	<1.34		1.34	10/11/2023 23:38	C23101126.D
Isopropylbenzene	98-82-8	<3.02		3.02	10/11/2023 23:38	C23101126.D
1,3,5-Trimethylbenzene	108-67-8	<3.02		3.02	10/11/2023 23:38	C23101126.D
1,2,4-Trimethylbenzene	95-63-6	<3.02		3.02	10/11/2023 23:38	C23101126.D
1,3-Dichlorobenzene	541-73-1	<1.34		1.34	10/11/2023 23:38	C23101126.D
1,4-Dichlorobenzene	106-46-7	<1.34		1.34	10/11/2023 23:38	C23101126.D
1,2-Dichlorobenzene	95-50-1	<1.34		1.34	10/11/2023 23:38	C23101126.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/11/2023 23:38	C23101126.D
Naphthalene	91-20-3	<3.13		3.13	10/11/2023 23:38	C23101126.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/11/2023 23:38	C23101126.D
2-Methylnaphthalene	91-57-6	<3.29		3.29	10/11/2023 23:38	C23101126.D
ε TPH C5-C8		<849		849	10/11/2023 23:38	C23101126.D
ε TPH C9-C15		<726		726	10/11/2023 23:38	C23101126.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	81.6%	70-130		10/11/2023 23:38	C23101126.D
Surrogate: Toluene-d8	2037-26-5	95.4%	70-130		10/11/2023 23:38	C23101126.D
Surrogate: Bromofluorobenzene	460-00-4	96.9%	70-130		10/11/2023 23:38	C23101126.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-05	<b>05R_SG_05_20231004</b>	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	10/12/2023 00:07	C23101127.D
1,1-Dichloroethene	75-35-4	<3.04		3.04	10/12/2023 00:07	C23101127.D
Methylene Chloride	75-09-2	<2.86		2.86	10/12/2023 00:07	C23101127.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 00:07	C23101127.D
trans-1,2-Dichloroethene	156-60-5	<2.28		2.28	10/12/2023 00:07	C23101127.D
Methyl-t-butyl ether	1634-04-4	<5.01		5.01	10/12/2023 00:07	C23101127.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/12/2023 00:07	C23101127.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/12/2023 00:07	C23101127.D
Chloroform	67-66-3	<2.86		2.86	10/12/2023 00:07	C23101127.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/12/2023 00:07	C23101127.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/12/2023 00:07	C23101127.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/12/2023 00:07	C23101127.D
Benzene	71-43-2	<4.73		4.73	10/12/2023 00:07	C23101127.D
Trichloroethene	79-01-6	<3.04		3.04	10/12/2023 00:07	C23101127.D
1,4-Dioxane	123-91-1	<2.44		2.44	10/12/2023 00:07	C23101127.D
1,1,2-Trichloroethane	79-00-5	<3.04		3.04	10/12/2023 00:07	C23101127.D
Toluene	108-88-3	<6.26		6.26	10/12/2023 00:07	C23101127.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/12/2023 00:07	C23101127.D
Tetrachloroethene	127-18-4	<2.44		2.44	10/12/2023 00:07	C23101127.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.44		2.44	10/12/2023 00:07	C23101127.D
Chlorobenzene	108-90-7	<1.18		1.18	10/12/2023 00:07	C23101127.D
Ethylbenzene	100-41-4	<2.95		2.95	10/12/2023 00:07	C23101127.D
p & m-Xylene	179601-23-1	<2.85		2.85	10/12/2023 00:07	C23101127.D
o-Xylene	95-47-6	<2.85		2.85	10/12/2023 00:07	C23101127.D
1,2,3-Trichloropropane	96-18-4	<1.34		1.34	10/12/2023 00:07	C23101127.D
Isopropylbenzene	98-82-8	<3.02		3.02	10/12/2023 00:07	C23101127.D
1,3,5-Trimethylbenzene	108-67-8	<3.02		3.02	10/12/2023 00:07	C23101127.D
1,2,4-Trimethylbenzene	95-63-6	<3.02		3.02	10/12/2023 00:07	C23101127.D
1,3-Dichlorobenzene	541-73-1	<1.34		1.34	10/12/2023 00:07	C23101127.D
1,4-Dichlorobenzene	106-46-7	<1.34		1.34	10/12/2023 00:07	C23101127.D
1,2-Dichlorobenzene	95-50-1	<1.34		1.34	10/12/2023 00:07	C23101127.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/12/2023 00:07	C23101127.D
Naphthalene	91-20-3	<3.13		3.13	10/12/2023 00:07	C23101127.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/12/2023 00:07	C23101127.D
2-Methylnaphthalene	91-57-6	<3.30		3.30	10/12/2023 00:07	C23101127.D
ε TPH C5-C8		<849		849	10/12/2023 00:07	C23101127.D
ε TPH C9-C15		<726		726	10/12/2023 00:07	C23101127.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	84.0%	70-130		10/12/2023 00:07	C23101127.D
Surrogate: Toluene-d8	2037-26-5	94.5%	70-130		10/12/2023 00:07	C23101127.D
Surrogate: Bromofluorobenzene	460-00-4	97.0%	70-130		10/12/2023 00:07	C23101127.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-06

**05R\_SG\_06\_20231004**

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	10/12/2023 00:36	C23101128.D
1,1-Dichloroethene	75-35-4	<3.04		3.04	10/12/2023 00:36	C23101128.D
Methylene Chloride	75-09-2	<2.86		2.86	10/12/2023 00:36	C23101128.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 00:36	C23101128.D
trans-1,2-Dichloroethene	156-60-5	<2.28		2.28	10/12/2023 00:36	C23101128.D
Methyl-t-butyl ether	1634-04-4	<5.01		5.01	10/12/2023 00:36	C23101128.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/12/2023 00:36	C23101128.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/12/2023 00:36	C23101128.D
Chloroform	67-66-3	<2.86		2.86	10/12/2023 00:36	C23101128.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/12/2023 00:36	C23101128.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/12/2023 00:36	C23101128.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/12/2023 00:36	C23101128.D
Benzene	71-43-2	<4.73		4.73	10/12/2023 00:36	C23101128.D
Trichloroethene	79-01-6	<3.04		3.04	10/12/2023 00:36	C23101128.D
1,4-Dioxane	123-91-1	<2.45		2.45	10/12/2023 00:36	C23101128.D
1,1,2-Trichloroethane	79-00-5	<3.04		3.04	10/12/2023 00:36	C23101128.D
Toluene	108-88-3	<6.27		6.27	10/12/2023 00:36	C23101128.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/12/2023 00:36	C23101128.D
Tetrachloroethene	127-18-4	<2.45		2.45	10/12/2023 00:36	C23101128.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.45		2.45	10/12/2023 00:36	C23101128.D
Chlorobenzene	108-90-7	<1.18		1.18	10/12/2023 00:36	C23101128.D
Ethylbenzene	100-41-4	<2.95		2.95	10/12/2023 00:36	C23101128.D
p & m-Xylene	179601-23-1	<2.85		2.85	10/12/2023 00:36	C23101128.D
o-Xylene	95-47-6	<2.85		2.85	10/12/2023 00:36	C23101128.D
1,2,3-Trichloropropane	96-18-4	<1.34		1.34	10/12/2023 00:36	C23101128.D
Isopropylbenzene	98-82-8	<3.02		3.02	10/12/2023 00:36	C23101128.D
1,3,5-Trimethylbenzene	108-67-8	<3.02		3.02	10/12/2023 00:36	C23101128.D
1,2,4-Trimethylbenzene	95-63-6	<3.02		3.02	10/12/2023 00:36	C23101128.D
1,3-Dichlorobenzene	541-73-1	<1.34		1.34	10/12/2023 00:36	C23101128.D
1,4-Dichlorobenzene	106-46-7	<1.34		1.34	10/12/2023 00:36	C23101128.D
1,2-Dichlorobenzene	95-50-1	<1.34		1.34	10/12/2023 00:36	C23101128.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/12/2023 00:36	C23101128.D
Naphthalene	91-20-3	<3.13		3.13	10/12/2023 00:36	C23101128.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/12/2023 00:36	C23101128.D
2-Methylnaphthalene	91-57-6	<3.30		3.30	10/12/2023 00:36	C23101128.D
☉ TPH C5-C8		<850		850	10/12/2023 00:36	C23101128.D
☉ TPH C9-C15		<727		727	10/12/2023 00:36	C23101128.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	91.3%	70-130		10/12/2023 00:36	C23101128.D
Surrogate: Toluene-d8	2037-26-5	92.9%	70-130		10/12/2023 00:36	C23101128.D
Surrogate: Bromofluorobenzene	460-00-4	97.8%	70-130		10/12/2023 00:36	C23101128.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-07	<b>05R_SG_07_20231004</b>	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	10/12/2023 01:09	C23101129.D
1,1-Dichloroethene	75-35-4	<3.04		3.04	10/12/2023 01:09	C23101129.D
Methylene Chloride	75-09-2	<2.86		2.86	10/12/2023 01:09	C23101129.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 01:09	C23101129.D
trans-1,2-Dichloroethene	156-60-5	<2.28		2.28	10/12/2023 01:09	C23101129.D
Methyl-t-butyl ether	1634-04-4	<5.01		5.01	10/12/2023 01:09	C23101129.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/12/2023 01:09	C23101129.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/12/2023 01:09	C23101129.D
Chloroform	67-66-3	<2.86		2.86	10/12/2023 01:09	C23101129.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/12/2023 01:09	C23101129.D
1,1,1-Trichloroethane	71-55-6	<0.95		0.95	10/12/2023 01:09	C23101129.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/12/2023 01:09	C23101129.D
Benzene	71-43-2	<4.73		4.73	10/12/2023 01:09	C23101129.D
Trichloroethene	79-01-6	<3.04		3.04	10/12/2023 01:09	C23101129.D
1,4-Dioxane	123-91-1	<2.45		2.45	10/12/2023 01:09	C23101129.D
1,1,2-Trichloroethane	79-00-5	<3.04		3.04	10/12/2023 01:09	C23101129.D
Toluene	108-88-3	<6.27		6.27	10/12/2023 01:09	C23101129.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/12/2023 01:09	C23101129.D
Tetrachloroethene	127-18-4	<2.45		2.45	10/12/2023 01:09	C23101129.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.45		2.45	10/12/2023 01:09	C23101129.D
Chlorobenzene	108-90-7	<1.18		1.18	10/12/2023 01:09	C23101129.D
Ethylbenzene	100-41-4	<2.95		2.95	10/12/2023 01:09	C23101129.D
p & m-Xylene	179601-23-1	<2.85		2.85	10/12/2023 01:09	C23101129.D
o-Xylene	95-47-6	<2.85		2.85	10/12/2023 01:09	C23101129.D
1,2,3-Trichloropropane	96-18-4	<1.34		1.34	10/12/2023 01:09	C23101129.D
Isopropylbenzene	98-82-8	<3.02		3.02	10/12/2023 01:09	C23101129.D
1,3,5-Trimethylbenzene	108-67-8	<3.02		3.02	10/12/2023 01:09	C23101129.D
1,2,4-Trimethylbenzene	95-63-6	<3.02		3.02	10/12/2023 01:09	C23101129.D
1,3-Dichlorobenzene	541-73-1	<1.34		1.34	10/12/2023 01:09	C23101129.D
1,4-Dichlorobenzene	106-46-7	<1.34		1.34	10/12/2023 01:09	C23101129.D
1,2-Dichlorobenzene	95-50-1	<1.34		1.34	10/12/2023 01:09	C23101129.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/12/2023 01:09	C23101129.D
Naphthalene	91-20-3	<3.13		3.13	10/12/2023 01:09	C23101129.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/12/2023 01:09	C23101129.D
2-Methylnaphthalene	91-57-6	<3.30		3.30	10/12/2023 01:09	C23101129.D
☉ TPH C5-C8		<850		850	10/12/2023 01:09	C23101129.D
☉ TPH C9-C15		<727		727	10/12/2023 01:09	C23101129.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	83.8%	70-130		10/12/2023 01:09	C23101129.D
Surrogate: Toluene-d8	2037-26-5	92.5%	70-130		10/12/2023 01:09	C23101129.D
Surrogate: Bromofluorobenzene	460-00-4	93.6%	70-130		10/12/2023 01:09	C23101129.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-08	<b>05R_SG_08_20231004</b>	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	10/12/2023 01:38	C23101130.D
1,1-Dichloroethene	75-35-4	<3.04		3.04	10/12/2023 01:38	C23101130.D
Methylene Chloride	75-09-2	<2.87		2.87	10/12/2023 01:38	C23101130.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 01:38	C23101130.D
trans-1,2-Dichloroethene	156-60-5	<2.28		2.28	10/12/2023 01:38	C23101130.D
Methyl-t-butyl ether	1634-04-4	<5.02		5.02	10/12/2023 01:38	C23101130.D
1,1-Dichloroethane	75-34-3	<1.18		1.18	10/12/2023 01:38	C23101130.D
cis-1,2-Dichloroethene	156-59-2	<1.89		1.89	10/12/2023 01:38	C23101130.D
Chloroform	67-66-3	<2.87		2.87	10/12/2023 01:38	C23101130.D
1,2-Dichloroethane	107-06-2	<1.79		1.79	10/12/2023 01:38	C23101130.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 01:38	C23101130.D
Carbon Tetrachloride	56-23-5	<2.33		2.33	10/12/2023 01:38	C23101130.D
Benzene	71-43-2	<4.73		4.73	10/12/2023 01:38	C23101130.D
Trichloroethene	79-01-6	<3.04		3.04	10/12/2023 01:38	C23101130.D
1,4-Dioxane	123-91-1	<2.45		2.45	10/12/2023 01:38	C23101130.D
1,1,2-Trichloroethane	79-00-5	<3.04		3.04	10/12/2023 01:38	C23101130.D
Toluene	108-88-3	<6.27		6.27	10/12/2023 01:38	C23101130.D
1,2-Dibromoethane (EDB)	106-93-4	<2.57		2.57	10/12/2023 01:38	C23101130.D
Tetrachloroethene	127-18-4	<2.45		2.45	10/12/2023 01:38	C23101130.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.45		2.45	10/12/2023 01:38	C23101130.D
Chlorobenzene	108-90-7	<1.18		1.18	10/12/2023 01:38	C23101130.D
Ethylbenzene	100-41-4	<2.95		2.95	10/12/2023 01:38	C23101130.D
p & m-Xylene	179601-23-1	<2.85		2.85	10/12/2023 01:38	C23101130.D
o-Xylene	95-47-6	<2.85		2.85	10/12/2023 01:38	C23101130.D
1,2,3-Trichloropropane	96-18-4	<1.34		1.34	10/12/2023 01:38	C23101130.D
Isopropylbenzene	98-82-8	<3.02		3.02	10/12/2023 01:38	C23101130.D
1,3,5-Trimethylbenzene	108-67-8	<3.02		3.02	10/12/2023 01:38	C23101130.D
1,2,4-Trimethylbenzene	95-63-6	<3.02		3.02	10/12/2023 01:38	C23101130.D
1,3-Dichlorobenzene	541-73-1	<1.34		1.34	10/12/2023 01:38	C23101130.D
1,4-Dichlorobenzene	106-46-7	<1.34		1.34	10/12/2023 01:38	C23101130.D
1,2-Dichlorobenzene	95-50-1	<1.34		1.34	10/12/2023 01:38	C23101130.D
1,2,4-Trichlorobenzene	120-82-1	<2.57		2.57	10/12/2023 01:38	C23101130.D
Naphthalene	91-20-3	<3.13		3.13	10/12/2023 01:38	C23101130.D
1,2,3-Trichlorobenzene	87-61-6	<2.57		2.57	10/12/2023 01:38	C23101130.D
2-Methylnaphthalene	91-57-6	<3.30		3.30	10/12/2023 01:38	C23101130.D
☉ TPH C5-C8		<850		850	10/12/2023 01:38	C23101130.D
☉ TPH C9-C15		<727		727	10/12/2023 01:38	C23101130.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	82.3%	70-130		10/12/2023 01:38	C23101130.D
Surrogate: Toluene-d8	2037-26-5	89.9%	70-130		10/12/2023 01:38	C23101130.D
Surrogate: Bromofluorobenzene	460-00-4	97.0%	70-130		10/12/2023 01:38	C23101130.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-09

**05R\_SG\_09\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 02:07	C23101131.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 02:07	C23101131.D
Methylene Chloride	75-09-2	<2.88		2.88	10/12/2023 02:07	C23101131.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 02:07	C23101131.D
trans-1,2-Dichloroethene	156-60-5	<2.29		2.29	10/12/2023 02:07	C23101131.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 02:07	C23101131.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 02:07	C23101131.D
cis-1,2-Dichloroethene	156-59-2	<1.91		1.91	10/12/2023 02:07	C23101131.D
Chloroform	67-66-3	<2.88		2.88	10/12/2023 02:07	C23101131.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 02:07	C23101131.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 02:07	C23101131.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 02:07	C23101131.D
<b>Benzene</b>	71-43-2	<b>5.35</b>		4.76	10/12/2023 02:07	C23101131.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 02:07	C23101131.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 02:07	C23101131.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 02:07	C23101131.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 02:07	C23101131.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 02:07	C23101131.D
Tetrachloroethene	127-18-4	<2.46		2.46	10/12/2023 02:07	C23101131.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 02:07	C23101131.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 02:07	C23101131.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 02:07	C23101131.D
p & m-Xylene	179601-23-1	<2.87		2.87	10/12/2023 02:07	C23101131.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 02:07	C23101131.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 02:07	C23101131.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 02:07	C23101131.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 02:07	C23101131.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 02:07	C23101131.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 02:07	C23101131.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 02:07	C23101131.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 02:07	C23101131.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 02:07	C23101131.D
Naphthalene	91-20-3	<3.16		3.16	10/12/2023 02:07	C23101131.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 02:07	C23101131.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 02:07	C23101131.D
☉ TPH C5-C8		<856		856	10/12/2023 02:07	C23101131.D
☉ TPH C9-C15		<732		732	10/12/2023 02:07	C23101131.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	82.1%	70-130		10/12/2023 02:07	C23101131.D
Surrogate: Toluene-d8	2037-26-5	93.6%	70-130		10/12/2023 02:07	C23101131.D
Surrogate: Bromofluorobenzene	460-00-4	98.6%	70-130		10/12/2023 02:07	C23101131.D



<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-10	<b>05R_SG_10_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 02:36	C23101132.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 02:36	C23101132.D
Methylene Chloride	75-09-2	<2.88		2.88	10/12/2023 02:36	C23101132.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 02:36	C23101132.D
trans-1,2-Dichloroethene	156-60-5	<2.29		2.29	10/12/2023 02:36	C23101132.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 02:36	C23101132.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 02:36	C23101132.D
cis-1,2-Dichloroethene	156-59-2	<1.90		1.90	10/12/2023 02:36	C23101132.D
Chloroform	67-66-3	<2.88		2.88	10/12/2023 02:36	C23101132.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 02:36	C23101132.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 02:36	C23101132.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 02:36	C23101132.D
Benzene	71-43-2	<4.76		4.76	10/12/2023 02:36	C23101132.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 02:36	C23101132.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 02:36	C23101132.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 02:36	C23101132.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 02:36	C23101132.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 02:36	C23101132.D
Tetrachloroethene	127-18-4	<2.46		2.46	10/12/2023 02:36	C23101132.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 02:36	C23101132.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 02:36	C23101132.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 02:36	C23101132.D
p & m-Xylene	179601-23-1	<2.87		2.87	10/12/2023 02:36	C23101132.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 02:36	C23101132.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 02:36	C23101132.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 02:36	C23101132.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 02:36	C23101132.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 02:36	C23101132.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 02:36	C23101132.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 02:36	C23101132.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 02:36	C23101132.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 02:36	C23101132.D
Naphthalene	91-20-3	<3.15		3.15	10/12/2023 02:36	C23101132.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 02:36	C23101132.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 02:36	C23101132.D
☉ TPH C5-C8		<856		856	10/12/2023 02:36	C23101132.D
☉ TPH C9-C15		<732		732	10/12/2023 02:36	C23101132.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	87.5%	70-130		10/12/2023 02:36	C23101132.D
Surrogate: Toluene-d8	2037-26-5	93.7%	70-130		10/12/2023 02:36	C23101132.D
Surrogate: Bromofluorobenzene	460-00-4	97.5%	70-130		10/12/2023 02:36	C23101132.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-11

**05R\_SG\_11\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 03:05	C23101133.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 03:05	C23101133.D
Methylene Chloride	75-09-2	<2.89		2.89	10/12/2023 03:05	C23101133.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 03:05	C23101133.D
trans-1,2-Dichloroethene	156-60-5	<2.30		2.30	10/12/2023 03:05	C23101133.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 03:05	C23101133.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 03:05	C23101133.D
cis-1,2-Dichloroethene	156-59-2	<1.91		1.91	10/12/2023 03:05	C23101133.D
Chloroform	67-66-3	<2.89		2.89	10/12/2023 03:05	C23101133.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 03:05	C23101133.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 03:05	C23101133.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 03:05	C23101133.D
Benzene	71-43-2	<4.76		4.76	10/12/2023 03:05	C23101133.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 03:05	C23101133.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 03:05	C23101133.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 03:05	C23101133.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 03:05	C23101133.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 03:05	C23101133.D
Tetrachloroethene	127-18-4	<2.46		2.46	10/12/2023 03:05	C23101133.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 03:05	C23101133.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 03:05	C23101133.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 03:05	C23101133.D
p & m-Xylene	179601-23-1	<2.87		2.87	10/12/2023 03:05	C23101133.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 03:05	C23101133.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 03:05	C23101133.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 03:05	C23101133.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 03:05	C23101133.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 03:05	C23101133.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 03:05	C23101133.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 03:05	C23101133.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 03:05	C23101133.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 03:05	C23101133.D
Naphthalene	91-20-3	<3.16		3.16	10/12/2023 03:05	C23101133.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 03:05	C23101133.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 03:05	C23101133.D
☉ TPH C5-C8		<856		856	10/12/2023 03:05	C23101133.D
☉ TPH C9-C15		<732		732	10/12/2023 03:05	C23101133.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	83.2%	70-130		10/12/2023 03:05	C23101133.D
Surrogate: Toluene-d8	2037-26-5	94.1%	70-130		10/12/2023 03:05	C23101133.D
Surrogate: Bromofluorobenzene	460-00-4	99.2%	70-130		10/12/2023 03:05	C23101133.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-12

**05R\_SG\_12\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 03:36	C23101134.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 03:36	C23101134.D
Methylene Chloride	75-09-2	<2.89		2.89	10/12/2023 03:36	C23101134.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 03:36	C23101134.D
trans-1,2-Dichloroethene	156-60-5	<2.30		2.30	10/12/2023 03:36	C23101134.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 03:36	C23101134.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 03:36	C23101134.D
cis-1,2-Dichloroethene	156-59-2	<1.91		1.91	10/12/2023 03:36	C23101134.D
Chloroform	67-66-3	<2.89		2.89	10/12/2023 03:36	C23101134.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 03:36	C23101134.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 03:36	C23101134.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 03:36	C23101134.D
Benzene	71-43-2	<4.76		4.76	10/12/2023 03:36	C23101134.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 03:36	C23101134.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 03:36	C23101134.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 03:36	C23101134.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 03:36	C23101134.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 03:36	C23101134.D
Tetrachloroethene	127-18-4	<2.46		2.46	10/12/2023 03:36	C23101134.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 03:36	C23101134.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 03:36	C23101134.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 03:36	C23101134.D
p & m-Xylene	179601-23-1	<2.87		2.87	10/12/2023 03:36	C23101134.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 03:36	C23101134.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 03:36	C23101134.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 03:36	C23101134.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 03:36	C23101134.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 03:36	C23101134.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 03:36	C23101134.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 03:36	C23101134.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 03:36	C23101134.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 03:36	C23101134.D
Naphthalene	91-20-3	<3.16		3.16	10/12/2023 03:36	C23101134.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 03:36	C23101134.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 03:36	C23101134.D
ε TPH C5-C8		<856		856	10/12/2023 03:36	C23101134.D
ε TPH C9-C15		<732		732	10/12/2023 03:36	C23101134.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	74.8%	70-130		10/12/2023 03:36	C23101134.D
Surrogate: Toluene-d8	2037-26-5	96.9%	70-130		10/12/2023 03:36	C23101134.D
Surrogate: Bromofluorobenzene	460-00-4	97.5%	70-130		10/12/2023 03:36	C23101134.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-13

**05R\_SG\_13\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 04:05	C23101135.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 04:05	C23101135.D
Methylene Chloride	75-09-2	<2.89		2.89	10/12/2023 04:05	C23101135.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 04:05	C23101135.D
trans-1,2-Dichloroethene	156-60-5	<2.30		2.30	10/12/2023 04:05	C23101135.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 04:05	C23101135.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 04:05	C23101135.D
cis-1,2-Dichloroethene	156-59-2	<1.91		1.91	10/12/2023 04:05	C23101135.D
Chloroform	67-66-3	<2.89		2.89	10/12/2023 04:05	C23101135.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 04:05	C23101135.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 04:05	C23101135.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 04:05	C23101135.D
Benzene	71-43-2	<4.76		4.76	10/12/2023 04:05	C23101135.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 04:05	C23101135.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 04:05	C23101135.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 04:05	C23101135.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 04:05	C23101135.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 04:05	C23101135.D
<b>Tetrachloroethene</b>	127-18-4	<b>8.75</b>		2.46	10/12/2023 04:05	C23101135.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 04:05	C23101135.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 04:05	C23101135.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 04:05	C23101135.D
p & m-Xylene	179601-23-1	<2.87		2.87	10/12/2023 04:05	C23101135.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 04:05	C23101135.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 04:05	C23101135.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 04:05	C23101135.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 04:05	C23101135.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 04:05	C23101135.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 04:05	C23101135.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 04:05	C23101135.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 04:05	C23101135.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 04:05	C23101135.D
Naphthalene	91-20-3	<3.16		3.16	10/12/2023 04:05	C23101135.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 04:05	C23101135.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 04:05	C23101135.D
☉ TPH C5-C8		<856		856	10/12/2023 04:05	C23101135.D
☉ TPH C9-C15		<732		732	10/12/2023 04:05	C23101135.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	77.6%	70-130		10/12/2023 04:05	C23101135.D
Surrogate: Toluene-d8	2037-26-5	90.9%	70-130		10/12/2023 04:05	C23101135.D
Surrogate: Bromofluorobenzene	460-00-4	98.6%	70-130		10/12/2023 04:05	C23101135.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007240-14	<b>05R_SG_14_20231004</b>	Method: EPA 8260C
Soil Gas		

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 04:33	C23101136.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 04:33	C23101136.D
Methylene Chloride	75-09-2	<2.89		2.89	10/12/2023 04:33	C23101136.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 04:33	C23101136.D
trans-1,2-Dichloroethene	156-60-5	<2.30		2.30	10/12/2023 04:33	C23101136.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 04:33	C23101136.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 04:33	C23101136.D
cis-1,2-Dichloroethene	156-59-2	<1.91		1.91	10/12/2023 04:33	C23101136.D
Chloroform	67-66-3	<2.89		2.89	10/12/2023 04:33	C23101136.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 04:33	C23101136.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 04:33	C23101136.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 04:33	C23101136.D
Benzene	71-43-2	<4.76		4.76	10/12/2023 04:33	C23101136.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 04:33	C23101136.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 04:33	C23101136.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 04:33	C23101136.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 04:33	C23101136.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 04:33	C23101136.D
<b>Tetrachloroethene</b>	127-18-4	<b>4.04</b>		2.46	10/12/2023 04:33	C23101136.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 04:33	C23101136.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 04:33	C23101136.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 04:33	C23101136.D
p & m-Xylene	179601-23-1	<2.87		2.87	10/12/2023 04:33	C23101136.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 04:33	C23101136.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 04:33	C23101136.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 04:33	C23101136.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 04:33	C23101136.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 04:33	C23101136.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 04:33	C23101136.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 04:33	C23101136.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 04:33	C23101136.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 04:33	C23101136.D
Naphthalene	91-20-3	<3.16		3.16	10/12/2023 04:33	C23101136.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 04:33	C23101136.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 04:33	C23101136.D
☉ TPH C5-C8		<856		856	10/12/2023 04:33	C23101136.D
☉ TPH C9-C15		<732		732	10/12/2023 04:33	C23101136.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	81.1%	70-130		10/12/2023 04:33	C23101136.D
Surrogate: Toluene-d8	2037-26-5	91.0%	70-130		10/12/2023 04:33	C23101136.D
Surrogate: Bromofluorobenzene	460-00-4	95.5%	70-130		10/12/2023 04:33	C23101136.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Lab Sample ID: 0007240-15

**05R\_SG\_15\_20231004**

Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<1.25		1.25	10/12/2023 05:02	C23101137.D
1,1-Dichloroethene	75-35-4	<3.06		3.06	10/12/2023 05:02	C23101137.D
Methylene Chloride	75-09-2	<2.89		2.89	10/12/2023 05:02	C23101137.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<1.13		1.13	10/12/2023 05:02	C23101137.D
trans-1,2-Dichloroethene	156-60-5	<2.30		2.30	10/12/2023 05:02	C23101137.D
Methyl-t-butyl ether	1634-04-4	<5.05		5.05	10/12/2023 05:02	C23101137.D
1,1-Dichloroethane	75-34-3	<1.19		1.19	10/12/2023 05:02	C23101137.D
cis-1,2-Dichloroethene	156-59-2	<1.91		1.91	10/12/2023 05:02	C23101137.D
Chloroform	67-66-3	<2.89		2.89	10/12/2023 05:02	C23101137.D
1,2-Dichloroethane	107-06-2	<1.80		1.80	10/12/2023 05:02	C23101137.D
1,1,1-Trichloroethane	71-55-6	<0.96		0.96	10/12/2023 05:02	C23101137.D
Carbon Tetrachloride	56-23-5	<2.35		2.35	10/12/2023 05:02	C23101137.D
Benzene	71-43-2	<4.76		4.76	10/12/2023 05:02	C23101137.D
Trichloroethene	79-01-6	<3.06		3.06	10/12/2023 05:02	C23101137.D
1,4-Dioxane	123-91-1	<2.46		2.46	10/12/2023 05:02	C23101137.D
1,1,2-Trichloroethane	79-00-5	<3.06		3.06	10/12/2023 05:02	C23101137.D
Toluene	108-88-3	<6.31		6.31	10/12/2023 05:02	C23101137.D
1,2-Dibromoethane (EDB)	106-93-4	<2.59		2.59	10/12/2023 05:02	C23101137.D
<b>Tetrachloroethene</b>	127-18-4	<b>3.57</b>		2.46	10/12/2023 05:02	C23101137.D
1,1,1,2-Tetrachloroethane	630-20-6	<2.46		2.46	10/12/2023 05:02	C23101137.D
Chlorobenzene	108-90-7	<1.19		1.19	10/12/2023 05:02	C23101137.D
Ethylbenzene	100-41-4	<2.97		2.97	10/12/2023 05:02	C23101137.D
<b>p &amp; m-Xylene</b>	179601-23-1	<b>8.24</b>		2.87	10/12/2023 05:02	C23101137.D
o-Xylene	95-47-6	<2.87		2.87	10/12/2023 05:02	C23101137.D
1,2,3-Trichloropropane	96-18-4	<1.35		1.35	10/12/2023 05:02	C23101137.D
Isopropylbenzene	98-82-8	<3.04		3.04	10/12/2023 05:02	C23101137.D
1,3,5-Trimethylbenzene	108-67-8	<3.04		3.04	10/12/2023 05:02	C23101137.D
1,2,4-Trimethylbenzene	95-63-6	<3.04		3.04	10/12/2023 05:02	C23101137.D
1,3-Dichlorobenzene	541-73-1	<1.35		1.35	10/12/2023 05:02	C23101137.D
1,4-Dichlorobenzene	106-46-7	<1.35		1.35	10/12/2023 05:02	C23101137.D
1,2-Dichlorobenzene	95-50-1	<1.35		1.35	10/12/2023 05:02	C23101137.D
1,2,4-Trichlorobenzene	120-82-1	<2.59		2.59	10/12/2023 05:02	C23101137.D
Naphthalene	91-20-3	<3.16		3.16	10/12/2023 05:02	C23101137.D
1,2,3-Trichlorobenzene	87-61-6	<2.59		2.59	10/12/2023 05:02	C23101137.D
2-Methylnaphthalene	91-57-6	<3.32		3.32	10/12/2023 05:02	C23101137.D
☉ TPH C5-C8		<856		856	10/12/2023 05:02	C23101137.D
☉ TPH C9-C15		<732		732	10/12/2023 05:02	C23101137.D
Analyte	CAS#	% Recovery	Recovery Limits	Q	Analyzed	File ID
Surrogate: 1,2-DCA-d4	17060-07-0	83.8%	70-130		10/12/2023 05:02	C23101137.D
Surrogate: Toluene-d8	2037-26-5	94.6%	70-130		10/12/2023 05:02	C23101137.D
Surrogate: Bromofluorobenzene	460-00-4	99.0%	70-130		10/12/2023 05:02	C23101137.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

## *QC Information/Summary*

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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*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			
1,1-Dichloroethene	52.6	10	ng	50.0		105	70-130			
Methylene Chloride	49.3	10	ng	50.0		98.7	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	52.9	10	ng	50.0		106	70-130			
trans-1,2-Dichloroethene	52.2	10	ng	50.0		104	70-130			
Methyl-t-butyl ether	46.1	25	ng	50.0		92.2	70-130			
1,1-Dichloroethane	52.0	10	ng	50.0		104	70-130			
cis-1,2-Dichloroethene	56.1	10	ng	50.0		112	70-130			
Chloroform	59.4	10	ng	50.0		119	70-130			
1,2-Dichloroethane	50.6	10	ng	50.0		101	70-130			
1,1,1-Trichloroethane	50.6	10	ng	50.0		101	70-130			
Carbon Tetrachloride	51.7	10	ng	50.0		103	70-130			
Benzene	56.8	25	ng	50.0		114	70-130			
Trichloroethene	57.8	10	ng	50.0		116	70-130			
1,4-Dioxane	38.6	10	ng	50.0		77.2	70-130			
1,1,2-Trichloroethane	52.4	10	ng	50.0		105	70-130			
Toluene	57.2	25	ng	50.0		114	70-130			
1,2-Dibromoethane (EDB)	51.6	10	ng	50.0		103	70-130			
Tetrachloroethene	63.1	10	ng	50.0		126	70-130			
1,1,1,2-Tetrachloroethane	54.2	10	ng	50.0		108	70-130			
Chlorobenzene	50.2	10	ng	50.0		100	70-130			
Ethylbenzene	52.2	25	ng	50.0		104	70-130			
p & m-Xylene	51.4	25	ng	50.0		103	70-130			
o-Xylene	52.4	25	ng	50.0		105	70-130			
1,2,3-Trichloropropane	52.5	10	ng	50.0		105	70-130			
Isopropylbenzene	46.9	25	ng	50.0		93.9	70-130			
1,3,5-Trimethylbenzene	47.2	25	ng	50.0		94.4	70-130			
1,2,4-Trimethylbenzene	49.0	25	ng	50.0		97.9	70-130			
1,3-Dichlorobenzene	50.8	10	ng	50.0		102	70-130			
1,4-Dichlorobenzene	50.5	10	ng	50.0		101	70-130			
1,2-Dichlorobenzene	48.8	10	ng	50.0		97.6	70-130			
1,2,4-Trichlorobenzene	51.2	10	ng	50.0		102	70-130			
Naphthalene	43.7	25	ng	50.0		87.4	70-130			
1,2,3-Trichlorobenzene	52.1	10	ng	50.0		104	70-130			
2-Methylnaphthalene	36.9	25	ng	50.0		73.8	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**  
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:** 230920R08  
**Lab Work Order:** 0007240  
**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
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	5.3	10	ng							
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<5	10	ng							U
Tetrachloroethene	5.1	10	ng							
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
<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>			

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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*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			
1,1-Dichloroethene	54.5	10	ng	50.0		109	80-120			
Methylene Chloride	55.9	10	ng	50.0		112	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	57.7	10	ng	50.0		115	80-120			
trans-1,2-Dichloroethene	55.8	10	ng	50.0		112	80-120			
Methyl-t-butyl ether	43.9	25	ng	50.0		87.9	80-120			
1,1-Dichloroethane	54.7	10	ng	50.0		109	80-120			
cis-1,2-Dichloroethene	57.4	10	ng	50.0		115	80-120			
Chloroform	57.2	10	ng	50.0		114	80-120			
1,2-Dichloroethane	55.5	10	ng	50.0		111	80-120			
1,1,1-Trichloroethane	53.6	10	ng	50.0		107	80-120			
Carbon Tetrachloride	53.1	10	ng	50.0		106	80-120			
Benzene	58.8	25	ng	50.0		118	80-120			
Trichloroethene	57.9	10	ng	50.0		116	80-120			
1,4-Dioxane	56.8	10	ng	50.0		114	80-120			
1,1,2-Trichloroethane	57.0	10	ng	50.0		114	80-120			
Toluene	48.0	25	ng	50.0		96.0	80-120			
1,2-Dibromoethane (EDB)	45.6	10	ng	50.0		91.2	80-120			
Tetrachloroethene	46.8	10	ng	50.0		93.6	80-120			
1,1,1,2-Tetrachloroethane	50.5	10	ng	50.0		101	80-120			
Chlorobenzene	48.4	10	ng	50.0		96.7	80-120			
Ethylbenzene	45.5	25	ng	50.0		90.9	80-120			
p & m-Xylene	44.3	25	ng	50.0		88.5	80-120			
o-Xylene	45.5	25	ng	50.0		91.0	80-120			
1,2,3-Trichloropropane	46.5	10	ng	50.0		93.0	80-120			
Isopropylbenzene	49.1	25	ng	50.0		98.3	80-120			
1,3,5-Trimethylbenzene	43.7	25	ng	50.0		87.4	80-120			
1,2,4-Trimethylbenzene	42.3	25	ng	50.0		84.5	80-120			
1,3-Dichlorobenzene	43.4	10	ng	50.0		86.8	80-120			
1,4-Dichlorobenzene	45.3	10	ng	50.0		90.6	80-120			
1,2-Dichlorobenzene	43.4	10	ng	50.0		86.8	80-120			
1,2,4-Trichlorobenzene	49.1	10	ng	50.0		98.2	80-120			
Naphthalene	43.3	25	ng	50.0		86.6	80-120			
1,2,3-Trichlorobenzene	47.4	10	ng	50.0		94.8	80-120			
2-Methylnaphthalene	43.0	25	ng	50.0		86.0	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>			

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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*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	<1.24	1.24	µg/m³							U
1,1-Dichloroethene	<3.03	3.03	µg/m³							U
Methylene Chloride	<2.86	2.86	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<1.12	1.12	µg/m³							U
trans-1,2-Dichloroethene	<2.27	2.27	µg/m³							U
Methyl-t-butyl ether	<5.00	5.00	µg/m³							U
1,1-Dichloroethane	<1.18	1.18	µg/m³							U
cis-1,2-Dichloroethene	<1.89	1.89	µg/m³							U
Chloroform	<2.86	2.86	µg/m³							U
1,2-Dichloroethane	<1.79	1.79	µg/m³							U
1,1,1-Trichloroethane	<0.953	0.953	µg/m³							U
Carbon Tetrachloride	<2.33	2.33	µg/m³							U
Benzene	<4.72	4.72	µg/m³							U
Trichloroethene	<3.03	3.03	µg/m³							U
1,4-Dioxane	<2.44	2.44	µg/m³							U
1,1,2-Trichloroethane	<3.03	3.03	µg/m³							U
Toluene	<6.25	6.25	µg/m³							U
1,2-Dibromoethane (EDB)	<2.57	2.57	µg/m³							U
Tetrachloroethene	<2.44	2.44	µg/m³							U
1,1,1,2-Tetrachloroethane	<2.44	2.44	µg/m³							U
Chlorobenzene	<1.18	1.18	µg/m³							U
Ethylbenzene	<2.94	2.94	µg/m³							U
p & m-Xylene	<2.84	2.84	µg/m³							U
o-Xylene	<2.84	2.84	µg/m³							U
1,2,3-Trichloropropane	<1.33	1.33	µg/m³							U
Isopropylbenzene	<3.01	3.01	µg/m³							U
1,3,5-Trimethylbenzene	<3.01	3.01	µg/m³							U
1,2,4-Trimethylbenzene	<3.01	3.01	µg/m³							U
1,3-Dichlorobenzene	<1.33	1.33	µg/m³							U
1,4-Dichlorobenzene	<1.33	1.33	µg/m³							U
1,2-Dichlorobenzene	<1.33	1.33	µg/m³							U
1,2,4-Trichlorobenzene	<2.57	2.57	µg/m³							U
Naphthalene	<3.13	3.13	µg/m³							U
1,2,3-Trichlorobenzene	<2.57	2.57	µg/m³							U
2-Methylnaphthalene	<3.29	3.29	µg/m³							U
Surrogate: 1,2-DCA-d4	100		ng	100		100	70-130			
Surrogate: Toluene-d8	99.7		ng	100		99.7	70-130			
Surrogate: Bromofluorobenzene	95.1		ng	100		95.1	70-130			

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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*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
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<5	10	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	100		ng	100		100	70-130			
Surrogate: Toluene-d8	99.7		ng	100		99.7	70-130			
Surrogate: Bromofluorobenzene	95.1		ng	100		95.1	70-130			

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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*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			
1,1-Dichloroethene	46.9	10	ng	50.0		93.8	70-130			
Methylene Chloride	49.9	10	ng	50.0		99.8	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	49.3	10	ng	50.0		98.7	70-130			
trans-1,2-Dichloroethene	46.9	10	ng	50.0		93.8	70-130			
Methyl-t-butyl ether	35.2	25	ng	50.0		70.4	70-130			
1,1-Dichloroethane	48.3	10	ng	50.0		96.6	70-130			
cis-1,2-Dichloroethene	49.7	10	ng	50.0		99.4	70-130			
Chloroform	49.3	10	ng	50.0		98.6	70-130			
1,2-Dichloroethane	47.2	10	ng	50.0		94.4	70-130			
1,1,1-Trichloroethane	47.4	10	ng	50.0		94.8	70-130			
Carbon Tetrachloride	48.8	10	ng	50.0		97.6	70-130			
Benzene	49.6	25	ng	50.0		99.2	70-130			
Trichloroethene	49.7	10	ng	50.0		99.4	70-130			
1,4-Dioxane	46.4	10	ng	50.0		92.8	70-130			
1,1,2-Trichloroethane	51.0	10	ng	50.0		102	70-130			
Toluene	48.5	25	ng	50.0		97.1	70-130			
1,2-Dibromoethane (EDB)	47.9	10	ng	50.0		95.8	70-130			
Tetrachloroethene	47.6	10	ng	50.0		95.1	70-130			
1,1,1,2-Tetrachloroethane	52.0	10	ng	50.0		104	70-130			
Chlorobenzene	48.8	10	ng	50.0		97.6	70-130			
Ethylbenzene	46.3	25	ng	50.0		92.6	70-130			
p & m-Xylene	44.2	25	ng	50.0		88.4	70-130			
o-Xylene	46.8	25	ng	50.0		93.6	70-130			
1,2,3-Trichloropropane	47.9	10	ng	50.0		95.7	70-130			
Isopropylbenzene	49.9	25	ng	50.0		99.9	70-130			
1,3,5-Trimethylbenzene	43.7	25	ng	50.0		87.3	70-130			
1,2,4-Trimethylbenzene	44.3	25	ng	50.0		88.6	70-130			
1,3-Dichlorobenzene	45.0	10	ng	50.0		89.9	70-130			
1,4-Dichlorobenzene	47.0	10	ng	50.0		94.0	70-130			
1,2-Dichlorobenzene	45.8	10	ng	50.0		91.6	70-130			
1,2,4-Trichlorobenzene	49.1	10	ng	50.0		98.1	70-130			
Naphthalene	40.3	25	ng	50.0		80.6	70-130			
1,2,3-Trichlorobenzene	48.3	10	ng	50.0		96.6	70-130			
2-Methylnaphthalene	35.6	25	ng	50.0		71.2	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	48.2		ng	50.0		96.3	70-130			
<i>Surrogate: Toluene-d8</i>	49.8		ng	50.0		99.5	70-130			
<i>Surrogate: Bromofluorobenzene</i>	46.9		ng	50.0		93.8	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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

*Additional QC Information*

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-01      **Sample Name:** 05R\_SG\_01\_20231004

Vinyl Chloride	9,995	1.00	0.810	U	U	C23101123.D
1,1-Dichloroethene	9,995	1.00	0.330	U	U	C23101123.D
Methylene Chloride	9,995	1.00	0.350 <sup>g</sup>	U	U	C23101123.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,995	1.00	0.890 <sup>g</sup>	U	U	C23101123.D
trans-1,2-Dichloroethene	9,995	1.00	0.440	U	U	C23101123.D
Methyl-t-butyl ether	9,995	1.00	0.500 <sup>g</sup>	U	U	C23101123.D
1,1-Dichloroethane	9,995	1.00	0.850	U	U	C23101123.D
cis-1,2-Dichloroethene	9,995	1.00	0.530	U	U	C23101123.D
Chloroform	9,995	1.00	0.350 <sup>g</sup>	U	U	C23101123.D
1,2-Dichloroethane	9,995	1.00	0.560	U	U	C23101123.D
1,1,1-Trichloroethane	9,995	1.00	1.050	U	U	C23101123.D
Carbon Tetrachloride	9,995	1.00	0.430 <sup>g</sup>	U	U	C23101123.D
Benzene	9,995	1.00	0.530	U	U	C23101123.D
Trichloroethene	9,995	1.00	0.330	U	U	C23101123.D
1,4-Dioxane	9,995	1.00	0.410 <sup>g</sup>	U	U	C23101123.D
1,1,2-Trichloroethane	9,995	1.00	0.330 <sup>g</sup>	U	U	C23101123.D
Toluene	9,995	1.00	0.400	U	U	C23101123.D
1,2-Dibromoethane (EDB)	9,995	1.00	0.390 <sup>g</sup>	U	U	C23101123.D
Tetrachloroethene	9,995	1.00	0.410	U	U	C23101123.D
1,1,1,2-Tetrachloroethane	9,995	1.00	0.410 <sup>g</sup>	U	U	C23101123.D
Chlorobenzene	9,995	1.00	0.850 <sup>g</sup>	U	U	C23101123.D
Ethylbenzene	9,995	1.00	0.850	U	U	C23101123.D
p & m-Xylene	9,995	1.00	0.880	U	U	C23101123.D
o-Xylene	9,995	1.00	0.880	U	U	C23101123.D
1,2,3-Trichloropropane	9,995	1.00	0.750 <sup>g</sup>	U	U	C23101123.D
Isopropylbenzene	9,995	1.00	0.830 <sup>g</sup>	U	U	C23101123.D
1,3,5-Trimethylbenzene	9,995	1.00	0.830 <sup>g</sup>	U	U	C23101123.D
1,2,4-Trimethylbenzene	9,995	1.00	0.830 <sup>g</sup>	U	U	C23101123.D
1,3-Dichlorobenzene	9,995	1.00	0.750 <sup>g</sup>	U	U	C23101123.D
1,4-Dichlorobenzene	9,995	1.00	0.750 <sup>g</sup>	U	U	C23101123.D
1,2-Dichlorobenzene	9,995	1.00	0.750 <sup>g</sup>	U	U	C23101123.D
1,2,4-Trichlorobenzene	9,995	1.00	0.390 <sup>g</sup>	U	U	C23101123.D
Naphthalene	9,995	1.00	0.800 <sup>g</sup>	U	U	C23101123.D
1,2,3-Trichlorobenzene	9,995	1.00	0.390 <sup>g</sup>	U	U	C23101123.D
2-Methylnaphthalene	9,995	1.00	0.760 <sup>g</sup>	U	U	C23101123.D
TPH C5-C8	9,995	1.00	0.590	U	U	C23101123.D
TPH C9-C15	9,995	1.00	0.690	U	U	C23101123.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-02      **Sample Name:** 05R\_SG\_02\_20231004

Vinyl Chloride	9,991	1.00	0.810	U	U	C23101124.D
1,1-Dichloroethene	9,991	1.00	0.330	U	U	C23101124.D
Methylene Chloride	9,991	1.00	0.350 <sup>g</sup>	U	U	C23101124.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,991	1.00	0.890 <sup>g</sup>	U	U	C23101124.D
trans-1,2-Dichloroethene	9,991	1.00	0.440	U	U	C23101124.D
Methyl-t-butyl ether	9,991	1.00	0.500 <sup>g</sup>	U	U	C23101124.D
1,1-Dichloroethane	9,991	1.00	0.850	U	U	C23101124.D
cis-1,2-Dichloroethene	9,991	1.00	0.530	U	U	C23101124.D
Chloroform	9,991	1.00	0.350 <sup>g</sup>	U	U	C23101124.D
1,2-Dichloroethane	9,991	1.00	0.560	U	U	C23101124.D
1,1,1-Trichloroethane	9,991	1.00	1.050	U	U	C23101124.D
Carbon Tetrachloride	9,991	1.00	0.430 <sup>g</sup>	U	U	C23101124.D
Benzene	9,991	1.00	0.530	U	U	C23101124.D
Trichloroethene	9,991	1.00	0.330	U	U	C23101124.D
1,4-Dioxane	9,991	1.00	0.410 <sup>g</sup>	U	U	C23101124.D
1,1,2-Trichloroethane	9,991	1.00	0.330 <sup>g</sup>	U	U	C23101124.D
Toluene	9,991	1.00	0.400	U	U	C23101124.D
1,2-Dibromoethane (EDB)	9,991	1.00	0.390 <sup>g</sup>	U	U	C23101124.D
Tetrachloroethene	9,991	1.00	0.410	U	U	C23101124.D
1,1,1,2-Tetrachloroethane	9,991	1.00	0.410 <sup>g</sup>	U	U	C23101124.D
Chlorobenzene	9,991	1.00	0.850 <sup>g</sup>	U	U	C23101124.D
Ethylbenzene	9,991	1.00	0.850	U	U	C23101124.D
p & m-Xylene	9,991	1.00	0.880	U	U	C23101124.D
o-Xylene	9,991	1.00	0.880	U	U	C23101124.D
1,2,3-Trichloropropane	9,991	1.00	0.750 <sup>g</sup>	U	U	C23101124.D
Isopropylbenzene	9,991	1.00	0.830 <sup>g</sup>	U	U	C23101124.D
1,3,5-Trimethylbenzene	9,991	1.00	0.830 <sup>g</sup>	U	U	C23101124.D
1,2,4-Trimethylbenzene	9,991	1.00	0.830 <sup>g</sup>	U	U	C23101124.D
1,3-Dichlorobenzene	9,991	1.00	0.750 <sup>g</sup>	U	U	C23101124.D
1,4-Dichlorobenzene	9,991	1.00	0.750 <sup>g</sup>	U	U	C23101124.D
1,2-Dichlorobenzene	9,991	1.00	0.750 <sup>g</sup>	U	U	C23101124.D
1,2,4-Trichlorobenzene	9,991	1.00	0.390 <sup>g</sup>	U	U	C23101124.D
Naphthalene	9,991	1.00	0.800 <sup>g</sup>	U	U	C23101124.D
1,2,3-Trichlorobenzene	9,991	1.00	0.390 <sup>g</sup>	U	U	C23101124.D
2-Methylnaphthalene	9,991	1.00	0.760 <sup>g</sup>	U	U	C23101124.D
TPH C5-C8	9,991	1.00	0.590	U	U	C23101124.D
TPH C9-C15	9,991	1.00	0.690	U	U	C23101124.D



**SCS Engineers**  
2830 Dairy Drive  
Madison, WI 53718-6751

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

**Beacon Proposal:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-03      **Sample Name:** 05R\_SG\_03\_20231004

Vinyl Chloride	9,985	1.00	0.810	U	U	C23101125.D
1,1-Dichloroethene	9,985	1.00	0.330	U	U	C23101125.D
Methylene Chloride	9,985	1.00	0.350 <sup>g</sup>	U	U	C23101125.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,985	1.00	0.890 <sup>g</sup>	U	U	C23101125.D
trans-1,2-Dichloroethene	9,985	1.00	0.440	U	U	C23101125.D
Methyl-t-butyl ether	9,985	1.00	0.500 <sup>g</sup>	U	U	C23101125.D
1,1-Dichloroethane	9,985	1.00	0.850	U	U	C23101125.D
cis-1,2-Dichloroethene	9,985	1.00	0.530	U	U	C23101125.D
Chloroform	9,985	1.00	0.350 <sup>g</sup>	U	U	C23101125.D
1,2-Dichloroethane	9,985	1.00	0.560	U	U	C23101125.D
1,1,1-Trichloroethane	9,985	1.00	1.050	U	U	C23101125.D
Carbon Tetrachloride	9,985	1.00	0.430 <sup>g</sup>	U	U	C23101125.D
Benzene	9,985	1.00	0.530	45.44	8.59	C23101125.D
Trichloroethene	9,985	1.00	0.330	U	U	C23101125.D
1,4-Dioxane	9,985	1.00	0.410 <sup>g</sup>	U	U	C23101125.D
1,1,2-Trichloroethane	9,985	1.00	0.330 <sup>g</sup>	U	U	C23101125.D
Toluene	9,985	1.00	0.400	U	U	C23101125.D
1,2-Dibromoethane (EDB)	9,985	1.00	0.390 <sup>g</sup>	U	U	C23101125.D
Tetrachloroethene	9,985	1.00	0.410	U	U	C23101125.D
1,1,1,2-Tetrachloroethane	9,985	1.00	0.410 <sup>g</sup>	U	U	C23101125.D
Chlorobenzene	9,985	1.00	0.850 <sup>g</sup>	U	U	C23101125.D
Ethylbenzene	9,985	1.00	0.850	U	U	C23101125.D
p & m-Xylene	9,985	1.00	0.880	U	U	C23101125.D
o-Xylene	9,985	1.00	0.880	U	U	C23101125.D
1,2,3-Trichloropropane	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101125.D
Isopropylbenzene	9,985	1.00	0.830 <sup>g</sup>	U	U	C23101125.D
1,3,5-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	U	U	C23101125.D
1,2,4-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	U	U	C23101125.D
1,3-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101125.D
1,4-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101125.D
1,2-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101125.D
1,2,4-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	U	U	C23101125.D
Naphthalene	9,985	1.00	0.800 <sup>g</sup>	U	U	C23101125.D
1,2,3-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	U	U	C23101125.D
2-Methylnaphthalene	9,985	1.00	0.760 <sup>g</sup>	U	U	C23101125.D
TPH C5-C8	9,985	1.00	0.590	U	U	C23101125.D
TPH C9-C15	9,985	1.00	0.690	U	U	C23101125.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-04      **Sample Name:** 05R\_SG\_04\_20231004

Vinyl Chloride	9,985	1.00	0.810	U	U	C23101126.D
1,1-Dichloroethene	9,985	1.00	0.330	U	U	C23101126.D
Methylene Chloride	9,985	1.00	0.350 <sup>g</sup>	U	U	C23101126.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,985	1.00	0.890 <sup>g</sup>	U	U	C23101126.D
trans-1,2-Dichloroethene	9,985	1.00	0.440	U	U	C23101126.D
Methyl-t-butyl ether	9,985	1.00	0.500 <sup>g</sup>	U	U	C23101126.D
1,1-Dichloroethane	9,985	1.00	0.850	U	U	C23101126.D
cis-1,2-Dichloroethene	9,985	1.00	0.530	U	U	C23101126.D
Chloroform	9,985	1.00	0.350 <sup>g</sup>	U	U	C23101126.D
1,2-Dichloroethane	9,985	1.00	0.560	U	U	C23101126.D
1,1,1-Trichloroethane	9,985	1.00	1.050	U	U	C23101126.D
Carbon Tetrachloride	9,985	1.00	0.430 <sup>g</sup>	U	U	C23101126.D
Benzene	9,985	1.00	0.530	U	U	C23101126.D
Trichloroethene	9,985	1.00	0.330	U	U	C23101126.D
1,4-Dioxane	9,985	1.00	0.410 <sup>g</sup>	U	U	C23101126.D
1,1,2-Trichloroethane	9,985	1.00	0.330 <sup>g</sup>	U	U	C23101126.D
Toluene	9,985	1.00	0.400	U	U	C23101126.D
1,2-Dibromoethane (EDB)	9,985	1.00	0.390 <sup>g</sup>	U	U	C23101126.D
Tetrachloroethene	9,985	1.00	0.410	U	U	C23101126.D
1,1,1,2-Tetrachloroethane	9,985	1.00	0.410 <sup>g</sup>	U	U	C23101126.D
Chlorobenzene	9,985	1.00	0.850 <sup>g</sup>	U	U	C23101126.D
Ethylbenzene	9,985	1.00	0.850	U	U	C23101126.D
p & m-Xylene	9,985	1.00	0.880	U	U	C23101126.D
o-Xylene	9,985	1.00	0.880	U	U	C23101126.D
1,2,3-Trichloropropane	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101126.D
Isopropylbenzene	9,985	1.00	0.830 <sup>g</sup>	U	U	C23101126.D
1,3,5-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	U	U	C23101126.D
1,2,4-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	U	U	C23101126.D
1,3-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101126.D
1,4-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101126.D
1,2-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	U	U	C23101126.D
1,2,4-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	U	U	C23101126.D
Naphthalene	9,985	1.00	0.800 <sup>g</sup>	U	U	C23101126.D
1,2,3-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	U	U	C23101126.D
2-Methylnaphthalene	9,985	1.00	0.760 <sup>g</sup>	U	U	C23101126.D
TPH C5-C8	9,985	1.00	0.590	U	U	C23101126.D
TPH C9-C15	9,985	1.00	0.690	U	U	C23101126.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-05      **Sample Name:** 05R\_SG\_05\_20231004

Vinyl Chloride	9,980	1.00	0.810	U	U	C23101127.D
1,1-Dichloroethene	9,980	1.00	0.330	U	U	C23101127.D
Methylene Chloride	9,980	1.00	0.350 <sup>g</sup>	U	U	C23101127.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,980	1.00	0.890 <sup>g</sup>	U	U	C23101127.D
trans-1,2-Dichloroethene	9,980	1.00	0.440	U	U	C23101127.D
Methyl-t-butyl ether	9,980	1.00	0.500 <sup>g</sup>	U	U	C23101127.D
1,1-Dichloroethane	9,980	1.00	0.850	U	U	C23101127.D
cis-1,2-Dichloroethene	9,980	1.00	0.530	U	U	C23101127.D
Chloroform	9,980	1.00	0.350 <sup>g</sup>	U	U	C23101127.D
1,2-Dichloroethane	9,980	1.00	0.560	U	U	C23101127.D
1,1,1-Trichloroethane	9,980	1.00	1.050	U	U	C23101127.D
Carbon Tetrachloride	9,980	1.00	0.430 <sup>g</sup>	U	U	C23101127.D
Benzene	9,980	1.00	0.530	U	U	C23101127.D
Trichloroethene	9,980	1.00	0.330	U	U	C23101127.D
1,4-Dioxane	9,980	1.00	0.410 <sup>g</sup>	U	U	C23101127.D
1,1,2-Trichloroethane	9,980	1.00	0.330 <sup>g</sup>	U	U	C23101127.D
Toluene	9,980	1.00	0.400	U	U	C23101127.D
1,2-Dibromoethane (EDB)	9,980	1.00	0.390 <sup>g</sup>	U	U	C23101127.D
Tetrachloroethene	9,980	1.00	0.410	U	U	C23101127.D
1,1,1,2-Tetrachloroethane	9,980	1.00	0.410 <sup>g</sup>	U	U	C23101127.D
Chlorobenzene	9,980	1.00	0.850 <sup>g</sup>	U	U	C23101127.D
Ethylbenzene	9,980	1.00	0.850	U	U	C23101127.D
p & m-Xylene	9,980	1.00	0.880	U	U	C23101127.D
o-Xylene	9,980	1.00	0.880	U	U	C23101127.D
1,2,3-Trichloropropane	9,980	1.00	0.750 <sup>g</sup>	U	U	C23101127.D
Isopropylbenzene	9,980	1.00	0.830 <sup>g</sup>	U	U	C23101127.D
1,3,5-Trimethylbenzene	9,980	1.00	0.830 <sup>g</sup>	U	U	C23101127.D
1,2,4-Trimethylbenzene	9,980	1.00	0.830 <sup>g</sup>	U	U	C23101127.D
1,3-Dichlorobenzene	9,980	1.00	0.750 <sup>g</sup>	U	U	C23101127.D
1,4-Dichlorobenzene	9,980	1.00	0.750 <sup>g</sup>	U	U	C23101127.D
1,2-Dichlorobenzene	9,980	1.00	0.750 <sup>g</sup>	U	U	C23101127.D
1,2,4-Trichlorobenzene	9,980	1.00	0.390 <sup>g</sup>	U	U	C23101127.D
Naphthalene	9,980	1.00	0.800 <sup>g</sup>	U	U	C23101127.D
1,2,3-Trichlorobenzene	9,980	1.00	0.390 <sup>g</sup>	U	U	C23101127.D
2-Methylnaphthalene	9,980	1.00	0.760 <sup>g</sup>	U	U	C23101127.D
TPH C5-C8	9,980	1.00	0.590	U	U	C23101127.D
TPH C9-C15	9,980	1.00	0.690	U	U	C23101127.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-06      **Sample Name:** 05R\_SG\_06\_20231004

Vinyl Chloride	9,974	1.00	0.810	U	U	C23101128.D
1,1-Dichloroethene	9,974	1.00	0.330	U	U	C23101128.D
Methylene Chloride	9,974	1.00	0.350 <sup>g</sup>	U	U	C23101128.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,974	1.00	0.890 <sup>g</sup>	U	U	C23101128.D
trans-1,2-Dichloroethene	9,974	1.00	0.440	U	U	C23101128.D
Methyl-t-butyl ether	9,974	1.00	0.500 <sup>g</sup>	U	U	C23101128.D
1,1-Dichloroethane	9,974	1.00	0.850	U	U	C23101128.D
cis-1,2-Dichloroethene	9,974	1.00	0.530	U	U	C23101128.D
Chloroform	9,974	1.00	0.350 <sup>g</sup>	U	U	C23101128.D
1,2-Dichloroethane	9,974	1.00	0.560	U	U	C23101128.D
1,1,1-Trichloroethane	9,974	1.00	1.050	U	U	C23101128.D
Carbon Tetrachloride	9,974	1.00	0.430 <sup>g</sup>	U	U	C23101128.D
Benzene	9,974	1.00	0.530	U	U	C23101128.D
Trichloroethene	9,974	1.00	0.330	U	U	C23101128.D
1,4-Dioxane	9,974	1.00	0.410 <sup>g</sup>	U	U	C23101128.D
1,1,2-Trichloroethane	9,974	1.00	0.330 <sup>g</sup>	U	U	C23101128.D
Toluene	9,974	1.00	0.400	U	U	C23101128.D
1,2-Dibromoethane (EDB)	9,974	1.00	0.390 <sup>g</sup>	U	U	C23101128.D
Tetrachloroethene	9,974	1.00	0.410	U	U	C23101128.D
1,1,1,2-Tetrachloroethane	9,974	1.00	0.410 <sup>g</sup>	U	U	C23101128.D
Chlorobenzene	9,974	1.00	0.850 <sup>g</sup>	U	U	C23101128.D
Ethylbenzene	9,974	1.00	0.850	U	U	C23101128.D
p & m-Xylene	9,974	1.00	0.880	U	U	C23101128.D
o-Xylene	9,974	1.00	0.880	U	U	C23101128.D
1,2,3-Trichloropropane	9,974	1.00	0.750 <sup>g</sup>	U	U	C23101128.D
Isopropylbenzene	9,974	1.00	0.830 <sup>g</sup>	U	U	C23101128.D
1,3,5-Trimethylbenzene	9,974	1.00	0.830 <sup>g</sup>	U	U	C23101128.D
1,2,4-Trimethylbenzene	9,974	1.00	0.830 <sup>g</sup>	U	U	C23101128.D
1,3-Dichlorobenzene	9,974	1.00	0.750 <sup>g</sup>	U	U	C23101128.D
1,4-Dichlorobenzene	9,974	1.00	0.750 <sup>g</sup>	U	U	C23101128.D
1,2-Dichlorobenzene	9,974	1.00	0.750 <sup>g</sup>	U	U	C23101128.D
1,2,4-Trichlorobenzene	9,974	1.00	0.390 <sup>g</sup>	U	U	C23101128.D
Naphthalene	9,974	1.00	0.800 <sup>g</sup>	U	U	C23101128.D
1,2,3-Trichlorobenzene	9,974	1.00	0.390 <sup>g</sup>	U	U	C23101128.D
2-Methylnaphthalene	9,974	1.00	0.760 <sup>g</sup>	U	U	C23101128.D
TPH C5-C8	9,974	1.00	0.590	U	U	C23101128.D
TPH C9-C15	9,974	1.00	0.690	U	U	C23101128.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-07      **Sample Name:** 05R\_SG\_07\_20231004

Vinyl Chloride	9,973	1.00	0.810	U	U	C23101129.D
1,1-Dichloroethene	9,973	1.00	0.330	U	U	C23101129.D
Methylene Chloride	9,973	1.00	0.350 <sup>g</sup>	U	U	C23101129.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,973	1.00	0.890 <sup>g</sup>	U	U	C23101129.D
trans-1,2-Dichloroethene	9,973	1.00	0.440	U	U	C23101129.D
Methyl-t-butyl ether	9,973	1.00	0.500 <sup>g</sup>	U	U	C23101129.D
1,1-Dichloroethane	9,973	1.00	0.850	U	U	C23101129.D
cis-1,2-Dichloroethene	9,973	1.00	0.530	U	U	C23101129.D
Chloroform	9,973	1.00	0.350 <sup>g</sup>	U	U	C23101129.D
1,2-Dichloroethane	9,973	1.00	0.560	U	U	C23101129.D
1,1,1-Trichloroethane	9,973	1.00	1.050	U	U	C23101129.D
Carbon Tetrachloride	9,973	1.00	0.430 <sup>g</sup>	U	U	C23101129.D
Benzene	9,973	1.00	0.530	U	U	C23101129.D
Trichloroethene	9,973	1.00	0.330	U	U	C23101129.D
1,4-Dioxane	9,973	1.00	0.410 <sup>g</sup>	U	U	C23101129.D
1,1,2-Trichloroethane	9,973	1.00	0.330 <sup>g</sup>	U	U	C23101129.D
Toluene	9,973	1.00	0.400	U	U	C23101129.D
1,2-Dibromoethane (EDB)	9,973	1.00	0.390 <sup>g</sup>	U	U	C23101129.D
Tetrachloroethene	9,973	1.00	0.410	U	U	C23101129.D
1,1,1,2-Tetrachloroethane	9,973	1.00	0.410 <sup>g</sup>	U	U	C23101129.D
Chlorobenzene	9,973	1.00	0.850 <sup>g</sup>	U	U	C23101129.D
Ethylbenzene	9,973	1.00	0.850	U	U	C23101129.D
p & m-Xylene	9,973	1.00	0.880	U	U	C23101129.D
o-Xylene	9,973	1.00	0.880	U	U	C23101129.D
1,2,3-Trichloropropane	9,973	1.00	0.750 <sup>g</sup>	U	U	C23101129.D
Isopropylbenzene	9,973	1.00	0.830 <sup>g</sup>	U	U	C23101129.D
1,3,5-Trimethylbenzene	9,973	1.00	0.830 <sup>g</sup>	U	U	C23101129.D
1,2,4-Trimethylbenzene	9,973	1.00	0.830 <sup>g</sup>	U	U	C23101129.D
1,3-Dichlorobenzene	9,973	1.00	0.750 <sup>g</sup>	U	U	C23101129.D
1,4-Dichlorobenzene	9,973	1.00	0.750 <sup>g</sup>	U	U	C23101129.D
1,2-Dichlorobenzene	9,973	1.00	0.750 <sup>g</sup>	U	U	C23101129.D
1,2,4-Trichlorobenzene	9,973	1.00	0.390 <sup>g</sup>	U	U	C23101129.D
Naphthalene	9,973	1.00	0.800 <sup>g</sup>	U	U	C23101129.D
1,2,3-Trichlorobenzene	9,973	1.00	0.390 <sup>g</sup>	U	U	C23101129.D
2-Methylnaphthalene	9,973	1.00	0.760 <sup>g</sup>	U	U	C23101129.D
TPH C5-C8	9,973	1.00	0.590	U	U	C23101129.D
TPH C9-C15	9,973	1.00	0.690	U	U	C23101129.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-08      **Sample Name:** 05R\_SG\_08\_20231004

Vinyl Chloride	9,969	1.00	0.810	U	U	C23101130.D
1,1-Dichloroethene	9,969	1.00	0.330	U	U	C23101130.D
Methylene Chloride	9,969	1.00	0.350 <sup>g</sup>	U	U	C23101130.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,969	1.00	0.890 <sup>g</sup>	U	U	C23101130.D
trans-1,2-Dichloroethene	9,969	1.00	0.440	U	U	C23101130.D
Methyl-t-butyl ether	9,969	1.00	0.500 <sup>g</sup>	U	U	C23101130.D
1,1-Dichloroethane	9,969	1.00	0.850	U	U	C23101130.D
cis-1,2-Dichloroethene	9,969	1.00	0.530	U	U	C23101130.D
Chloroform	9,969	1.00	0.350 <sup>g</sup>	U	U	C23101130.D
1,2-Dichloroethane	9,969	1.00	0.560	U	U	C23101130.D
1,1,1-Trichloroethane	9,969	1.00	1.050	U	U	C23101130.D
Carbon Tetrachloride	9,969	1.00	0.430 <sup>g</sup>	U	U	C23101130.D
Benzene	9,969	1.00	0.530	U	U	C23101130.D
Trichloroethene	9,969	1.00	0.330	U	U	C23101130.D
1,4-Dioxane	9,969	1.00	0.410 <sup>g</sup>	U	U	C23101130.D
1,1,2-Trichloroethane	9,969	1.00	0.330 <sup>g</sup>	U	U	C23101130.D
Toluene	9,969	1.00	0.400	U	U	C23101130.D
1,2-Dibromoethane (EDB)	9,969	1.00	0.390 <sup>g</sup>	U	U	C23101130.D
Tetrachloroethene	9,969	1.00	0.410	U	U	C23101130.D
1,1,1,2-Tetrachloroethane	9,969	1.00	0.410 <sup>g</sup>	U	U	C23101130.D
Chlorobenzene	9,969	1.00	0.850 <sup>g</sup>	U	U	C23101130.D
Ethylbenzene	9,969	1.00	0.850	U	U	C23101130.D
p & m-Xylene	9,969	1.00	0.880	U	U	C23101130.D
o-Xylene	9,969	1.00	0.880	U	U	C23101130.D
1,2,3-Trichloropropane	9,969	1.00	0.750 <sup>g</sup>	U	U	C23101130.D
Isopropylbenzene	9,969	1.00	0.830 <sup>g</sup>	U	U	C23101130.D
1,3,5-Trimethylbenzene	9,969	1.00	0.830 <sup>g</sup>	U	U	C23101130.D
1,2,4-Trimethylbenzene	9,969	1.00	0.830 <sup>g</sup>	U	U	C23101130.D
1,3-Dichlorobenzene	9,969	1.00	0.750 <sup>g</sup>	U	U	C23101130.D
1,4-Dichlorobenzene	9,969	1.00	0.750 <sup>g</sup>	U	U	C23101130.D
1,2-Dichlorobenzene	9,969	1.00	0.750 <sup>g</sup>	U	U	C23101130.D
1,2,4-Trichlorobenzene	9,969	1.00	0.390 <sup>g</sup>	U	U	C23101130.D
Naphthalene	9,969	1.00	0.800 <sup>g</sup>	U	U	C23101130.D
1,2,3-Trichlorobenzene	9,969	1.00	0.390 <sup>g</sup>	U	U	C23101130.D
2-Methylnaphthalene	9,969	1.00	0.760 <sup>g</sup>	U	U	C23101130.D
TPH C5-C8	9,969	1.00	0.590	U	U	C23101130.D
TPH C9-C15	9,969	1.00	0.690	U	U	C23101130.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-09      **Sample Name:** 05R\_SG\_09\_20231004

Vinyl Chloride	9,904	1.00	0.810	U	U	C23101131.D
1,1-Dichloroethene	9,904	1.00	0.330	U	U	C23101131.D
Methylene Chloride	9,904	1.00	0.350 <sup>g</sup>	U	U	C23101131.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,904	1.00	0.890 <sup>g</sup>	U	U	C23101131.D
trans-1,2-Dichloroethene	9,904	1.00	0.440	U	U	C23101131.D
Methyl-t-butyl ether	9,904	1.00	0.500 <sup>g</sup>	U	U	C23101131.D
1,1-Dichloroethane	9,904	1.00	0.850	U	U	C23101131.D
cis-1,2-Dichloroethene	9,904	1.00	0.530	U	U	C23101131.D
Chloroform	9,904	1.00	0.350 <sup>g</sup>	U	U	C23101131.D
1,2-Dichloroethane	9,904	1.00	0.560	U	U	C23101131.D
1,1,1-Trichloroethane	9,904	1.00	1.050	U	U	C23101131.D
Carbon Tetrachloride	9,904	1.00	0.430 <sup>g</sup>	U	U	C23101131.D
Benzene	9,904	1.00	0.530	28.06	5.35	C23101131.D
Trichloroethene	9,904	1.00	0.330	U	U	C23101131.D
1,4-Dioxane	9,904	1.00	0.410 <sup>g</sup>	U	U	C23101131.D
1,1,2-Trichloroethane	9,904	1.00	0.330 <sup>g</sup>	U	U	C23101131.D
Toluene	9,904	1.00	0.400	U	U	C23101131.D
1,2-Dibromoethane (EDB)	9,904	1.00	0.390 <sup>g</sup>	U	U	C23101131.D
Tetrachloroethene	9,904	1.00	0.410	U	U	C23101131.D
1,1,1,2-Tetrachloroethane	9,904	1.00	0.410 <sup>g</sup>	U	U	C23101131.D
Chlorobenzene	9,904	1.00	0.850 <sup>g</sup>	U	U	C23101131.D
Ethylbenzene	9,904	1.00	0.850	U	U	C23101131.D
p & m-Xylene	9,904	1.00	0.880	U	U	C23101131.D
o-Xylene	9,904	1.00	0.880	U	U	C23101131.D
1,2,3-Trichloropropane	9,904	1.00	0.750 <sup>g</sup>	U	U	C23101131.D
Isopropylbenzene	9,904	1.00	0.830 <sup>g</sup>	U	U	C23101131.D
1,3,5-Trimethylbenzene	9,904	1.00	0.830 <sup>g</sup>	U	U	C23101131.D
1,2,4-Trimethylbenzene	9,904	1.00	0.830 <sup>g</sup>	U	U	C23101131.D
1,3-Dichlorobenzene	9,904	1.00	0.750 <sup>g</sup>	U	U	C23101131.D
1,4-Dichlorobenzene	9,904	1.00	0.750 <sup>g</sup>	U	U	C23101131.D
1,2-Dichlorobenzene	9,904	1.00	0.750 <sup>g</sup>	U	U	C23101131.D
1,2,4-Trichlorobenzene	9,904	1.00	0.390 <sup>g</sup>	U	U	C23101131.D
Naphthalene	9,904	1.00	0.800 <sup>g</sup>	U	U	C23101131.D
1,2,3-Trichlorobenzene	9,904	1.00	0.390 <sup>g</sup>	U	U	C23101131.D
2-Methylnaphthalene	9,904	1.00	0.760 <sup>g</sup>	U	U	C23101131.D
TPH C5-C8	9,904	1.00	0.590	U	U	C23101131.D
TPH C9-C15	9,904	1.00	0.690	U	U	C23101131.D

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-10      **Sample Name:** 05R\_SG\_10\_20231004

Vinyl Chloride	9,905	1.00	0.810	U	U	C23101132.D
1,1-Dichloroethene	9,905	1.00	0.330	U	U	C23101132.D
Methylene Chloride	9,905	1.00	0.350 <sup>g</sup>	U	U	C23101132.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,905	1.00	0.890 <sup>g</sup>	U	U	C23101132.D
trans-1,2-Dichloroethene	9,905	1.00	0.440	U	U	C23101132.D
Methyl-t-butyl ether	9,905	1.00	0.500 <sup>g</sup>	U	U	C23101132.D
1,1-Dichloroethane	9,905	1.00	0.850	U	U	C23101132.D
cis-1,2-Dichloroethene	9,905	1.00	0.530	U	U	C23101132.D
Chloroform	9,905	1.00	0.350 <sup>g</sup>	U	U	C23101132.D
1,2-Dichloroethane	9,905	1.00	0.560	U	U	C23101132.D
1,1,1-Trichloroethane	9,905	1.00	1.050	U	U	C23101132.D
Carbon Tetrachloride	9,905	1.00	0.430 <sup>g</sup>	U	U	C23101132.D
Benzene	9,905	1.00	0.530	U	U	C23101132.D
Trichloroethene	9,905	1.00	0.330	U	U	C23101132.D
1,4-Dioxane	9,905	1.00	0.410 <sup>g</sup>	U	U	C23101132.D
1,1,2-Trichloroethane	9,905	1.00	0.330 <sup>g</sup>	U	U	C23101132.D
Toluene	9,905	1.00	0.400	U	U	C23101132.D
1,2-Dibromoethane (EDB)	9,905	1.00	0.390 <sup>g</sup>	U	U	C23101132.D
Tetrachloroethene	9,905	1.00	0.410	U	U	C23101132.D
1,1,1,2-Tetrachloroethane	9,905	1.00	0.410 <sup>g</sup>	U	U	C23101132.D
Chlorobenzene	9,905	1.00	0.850 <sup>g</sup>	U	U	C23101132.D
Ethylbenzene	9,905	1.00	0.850	U	U	C23101132.D
p & m-Xylene	9,905	1.00	0.880	U	U	C23101132.D
o-Xylene	9,905	1.00	0.880	U	U	C23101132.D
1,2,3-Trichloropropane	9,905	1.00	0.750 <sup>g</sup>	U	U	C23101132.D
Isopropylbenzene	9,905	1.00	0.830 <sup>g</sup>	U	U	C23101132.D
1,3,5-Trimethylbenzene	9,905	1.00	0.830 <sup>g</sup>	U	U	C23101132.D
1,2,4-Trimethylbenzene	9,905	1.00	0.830 <sup>g</sup>	U	U	C23101132.D
1,3-Dichlorobenzene	9,905	1.00	0.750 <sup>g</sup>	U	U	C23101132.D
1,4-Dichlorobenzene	9,905	1.00	0.750 <sup>g</sup>	U	U	C23101132.D
1,2-Dichlorobenzene	9,905	1.00	0.750 <sup>g</sup>	U	U	C23101132.D
1,2,4-Trichlorobenzene	9,905	1.00	0.390 <sup>g</sup>	U	U	C23101132.D
Naphthalene	9,905	1.00	0.800 <sup>g</sup>	U	U	C23101132.D
1,2,3-Trichlorobenzene	9,905	1.00	0.390 <sup>g</sup>	U	U	C23101132.D
2-Methylnaphthalene	9,905	1.00	0.760 <sup>g</sup>	U	U	C23101132.D
TPH C5-C8	9,905	1.00	0.590	U	U	C23101132.D
TPH C9-C15	9,905	1.00	0.690	U	U	C23101132.D



<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-11      **Sample Name:** 05R\_SG\_11\_20231004

Vinyl Chloride	9,902	1.00	0.810	U	U	C23101133.D
1,1-Dichloroethene	9,902	1.00	0.330	U	U	C23101133.D
Methylene Chloride	9,902	1.00	0.350 <sup>g</sup>	U	U	C23101133.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,902	1.00	0.890 <sup>g</sup>	U	U	C23101133.D
trans-1,2-Dichloroethene	9,902	1.00	0.440	U	U	C23101133.D
Methyl-t-butyl ether	9,902	1.00	0.500 <sup>g</sup>	U	U	C23101133.D
1,1-Dichloroethane	9,902	1.00	0.850	U	U	C23101133.D
cis-1,2-Dichloroethene	9,902	1.00	0.530	U	U	C23101133.D
Chloroform	9,902	1.00	0.350 <sup>g</sup>	U	U	C23101133.D
1,2-Dichloroethane	9,902	1.00	0.560	U	U	C23101133.D
1,1,1-Trichloroethane	9,902	1.00	1.050	U	U	C23101133.D
Carbon Tetrachloride	9,902	1.00	0.430 <sup>g</sup>	U	U	C23101133.D
Benzene	9,902	1.00	0.530	U	U	C23101133.D
Trichloroethene	9,902	1.00	0.330	U	U	C23101133.D
1,4-Dioxane	9,902	1.00	0.410 <sup>g</sup>	U	U	C23101133.D
1,1,2-Trichloroethane	9,902	1.00	0.330 <sup>g</sup>	U	U	C23101133.D
Toluene	9,902	1.00	0.400	U	U	C23101133.D
1,2-Dibromoethane (EDB)	9,902	1.00	0.390 <sup>g</sup>	U	U	C23101133.D
Tetrachloroethene	9,902	1.00	0.410	U	U	C23101133.D
1,1,1,2-Tetrachloroethane	9,902	1.00	0.410 <sup>g</sup>	U	U	C23101133.D
Chlorobenzene	9,902	1.00	0.850 <sup>g</sup>	U	U	C23101133.D
Ethylbenzene	9,902	1.00	0.850	U	U	C23101133.D
p & m-Xylene	9,902	1.00	0.880	U	U	C23101133.D
o-Xylene	9,902	1.00	0.880	U	U	C23101133.D
1,2,3-Trichloropropane	9,902	1.00	0.750 <sup>g</sup>	U	U	C23101133.D
Isopropylbenzene	9,902	1.00	0.830 <sup>g</sup>	U	U	C23101133.D
1,3,5-Trimethylbenzene	9,902	1.00	0.830 <sup>g</sup>	U	U	C23101133.D
1,2,4-Trimethylbenzene	9,902	1.00	0.830 <sup>g</sup>	U	U	C23101133.D
1,3-Dichlorobenzene	9,902	1.00	0.750 <sup>g</sup>	U	U	C23101133.D
1,4-Dichlorobenzene	9,902	1.00	0.750 <sup>g</sup>	U	U	C23101133.D
1,2-Dichlorobenzene	9,902	1.00	0.750 <sup>g</sup>	U	U	C23101133.D
1,2,4-Trichlorobenzene	9,902	1.00	0.390 <sup>g</sup>	U	U	C23101133.D
Naphthalene	9,902	1.00	0.800 <sup>g</sup>	U	U	C23101133.D
1,2,3-Trichlorobenzene	9,902	1.00	0.390 <sup>g</sup>	U	U	C23101133.D
2-Methylnaphthalene	9,902	1.00	0.760 <sup>g</sup>	U	U	C23101133.D
TPH C5-C8	9,902	1.00	0.590	U	U	C23101133.D
TPH C9-C15	9,902	1.00	0.690	U	U	C23101133.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-12      **Sample Name:** 05R\_SG\_12\_20231004

Vinyl Chloride	9,900	1.00	0.810	U	U	C23101134.D
1,1-Dichloroethene	9,900	1.00	0.330	U	U	C23101134.D
Methylene Chloride	9,900	1.00	0.350 <sup>g</sup>	U	U	C23101134.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,900	1.00	0.890 <sup>g</sup>	U	U	C23101134.D
trans-1,2-Dichloroethene	9,900	1.00	0.440	U	U	C23101134.D
Methyl-t-butyl ether	9,900	1.00	0.500 <sup>g</sup>	U	U	C23101134.D
1,1-Dichloroethane	9,900	1.00	0.850	U	U	C23101134.D
cis-1,2-Dichloroethene	9,900	1.00	0.530	U	U	C23101134.D
Chloroform	9,900	1.00	0.350 <sup>g</sup>	U	U	C23101134.D
1,2-Dichloroethane	9,900	1.00	0.560	U	U	C23101134.D
1,1,1-Trichloroethane	9,900	1.00	1.050	U	U	C23101134.D
Carbon Tetrachloride	9,900	1.00	0.430 <sup>g</sup>	U	U	C23101134.D
Benzene	9,900	1.00	0.530	U	U	C23101134.D
Trichloroethene	9,900	1.00	0.330	U	U	C23101134.D
1,4-Dioxane	9,900	1.00	0.410 <sup>g</sup>	U	U	C23101134.D
1,1,2-Trichloroethane	9,900	1.00	0.330 <sup>g</sup>	U	U	C23101134.D
Toluene	9,900	1.00	0.400	U	U	C23101134.D
1,2-Dibromoethane (EDB)	9,900	1.00	0.390 <sup>g</sup>	U	U	C23101134.D
Tetrachloroethene	9,900	1.00	0.410	U	U	C23101134.D
1,1,1,2-Tetrachloroethane	9,900	1.00	0.410 <sup>g</sup>	U	U	C23101134.D
Chlorobenzene	9,900	1.00	0.850 <sup>g</sup>	U	U	C23101134.D
Ethylbenzene	9,900	1.00	0.850	U	U	C23101134.D
p & m-Xylene	9,900	1.00	0.880	U	U	C23101134.D
o-Xylene	9,900	1.00	0.880	U	U	C23101134.D
1,2,3-Trichloropropane	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101134.D
Isopropylbenzene	9,900	1.00	0.830 <sup>g</sup>	U	U	C23101134.D
1,3,5-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	U	U	C23101134.D
1,2,4-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	U	U	C23101134.D
1,3-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101134.D
1,4-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101134.D
1,2-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101134.D
1,2,4-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	U	U	C23101134.D
Naphthalene	9,900	1.00	0.800 <sup>g</sup>	U	U	C23101134.D
1,2,3-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	U	U	C23101134.D
2-Methylnaphthalene	9,900	1.00	0.760 <sup>g</sup>	U	U	C23101134.D
TPH C5-C8	9,900	1.00	0.590	U	U	C23101134.D
TPH C9-C15	9,900	1.00	0.690	U	U	C23101134.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-13      **Sample Name:** 05R\_SG\_13\_20231004

Vinyl Chloride	9,901	1.00	0.810	U	U	C23101135.D
1,1-Dichloroethene	9,901	1.00	0.330	U	U	C23101135.D
Methylene Chloride	9,901	1.00	0.350 <sup>g</sup>	U	U	C23101135.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,901	1.00	0.890 <sup>g</sup>	U	U	C23101135.D
trans-1,2-Dichloroethene	9,901	1.00	0.440	U	U	C23101135.D
Methyl-t-butyl ether	9,901	1.00	0.500 <sup>g</sup>	U	U	C23101135.D
1,1-Dichloroethane	9,901	1.00	0.850	U	U	C23101135.D
cis-1,2-Dichloroethene	9,901	1.00	0.530	U	U	C23101135.D
Chloroform	9,901	1.00	0.350 <sup>g</sup>	U	U	C23101135.D
1,2-Dichloroethane	9,901	1.00	0.560	U	U	C23101135.D
1,1,1-Trichloroethane	9,901	1.00	1.050	U	U	C23101135.D
Carbon Tetrachloride	9,901	1.00	0.430 <sup>g</sup>	U	U	C23101135.D
Benzene	9,901	1.00	0.530	U	U	C23101135.D
Trichloroethene	9,901	1.00	0.330	U	U	C23101135.D
1,4-Dioxane	9,901	1.00	0.410 <sup>g</sup>	U	U	C23101135.D
1,1,2-Trichloroethane	9,901	1.00	0.330 <sup>g</sup>	U	U	C23101135.D
Toluene	9,901	1.00	0.400	U	U	C23101135.D
1,2-Dibromoethane (EDB)	9,901	1.00	0.390 <sup>g</sup>	U	U	C23101135.D
Tetrachloroethene	9,901	1.00	0.410	35.52	8.75	C23101135.D
1,1,1,2-Tetrachloroethane	9,901	1.00	0.410 <sup>g</sup>	U	U	C23101135.D
Chlorobenzene	9,901	1.00	0.850 <sup>g</sup>	U	U	C23101135.D
Ethylbenzene	9,901	1.00	0.850	U	U	C23101135.D
p & m-Xylene	9,901	1.00	0.880	U	U	C23101135.D
o-Xylene	9,901	1.00	0.880	U	U	C23101135.D
1,2,3-Trichloropropane	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101135.D
Isopropylbenzene	9,901	1.00	0.830 <sup>g</sup>	U	U	C23101135.D
1,3,5-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	U	U	C23101135.D
1,2,4-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	U	U	C23101135.D
1,3-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101135.D
1,4-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101135.D
1,2-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101135.D
1,2,4-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	U	U	C23101135.D
Naphthalene	9,901	1.00	0.800 <sup>g</sup>	U	U	C23101135.D
1,2,3-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	U	U	C23101135.D
2-Methylnaphthalene	9,901	1.00	0.760 <sup>g</sup>	U	U	C23101135.D
TPH C5-C8	9,901	1.00	0.590	U	U	C23101135.D
TPH C9-C15	9,901	1.00	0.690	U	U	C23101135.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-14      **Sample Name:** 05R\_SG\_14\_20231004

Vinyl Chloride	9,901	1.00	0.810	U	U	C23101136.D
1,1-Dichloroethene	9,901	1.00	0.330	U	U	C23101136.D
Methylene Chloride	9,901	1.00	0.350 <sup>g</sup>	U	U	C23101136.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,901	1.00	0.890 <sup>g</sup>	U	U	C23101136.D
trans-1,2-Dichloroethene	9,901	1.00	0.440	U	U	C23101136.D
Methyl-t-butyl ether	9,901	1.00	0.500 <sup>g</sup>	U	U	C23101136.D
1,1-Dichloroethane	9,901	1.00	0.850	U	U	C23101136.D
cis-1,2-Dichloroethene	9,901	1.00	0.530	U	U	C23101136.D
Chloroform	9,901	1.00	0.350 <sup>g</sup>	U	U	C23101136.D
1,2-Dichloroethane	9,901	1.00	0.560	U	U	C23101136.D
1,1,1-Trichloroethane	9,901	1.00	1.050	U	U	C23101136.D
Carbon Tetrachloride	9,901	1.00	0.430 <sup>g</sup>	U	U	C23101136.D
Benzene	9,901	1.00	0.530	U	U	C23101136.D
Trichloroethene	9,901	1.00	0.330	U	U	C23101136.D
1,4-Dioxane	9,901	1.00	0.410 <sup>g</sup>	U	U	C23101136.D
1,1,2-Trichloroethane	9,901	1.00	0.330 <sup>g</sup>	U	U	C23101136.D
Toluene	9,901	1.00	0.400	U	U	C23101136.D
1,2-Dibromoethane (EDB)	9,901	1.00	0.390 <sup>g</sup>	U	U	C23101136.D
Tetrachloroethene	9,901	1.00	0.410	16.38	4.04	C23101136.D
1,1,1,2-Tetrachloroethane	9,901	1.00	0.410 <sup>g</sup>	U	U	C23101136.D
Chlorobenzene	9,901	1.00	0.850 <sup>g</sup>	U	U	C23101136.D
Ethylbenzene	9,901	1.00	0.850	U	U	C23101136.D
p & m-Xylene	9,901	1.00	0.880	U	U	C23101136.D
o-Xylene	9,901	1.00	0.880	U	U	C23101136.D
1,2,3-Trichloropropane	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101136.D
Isopropylbenzene	9,901	1.00	0.830 <sup>g</sup>	U	U	C23101136.D
1,3,5-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	U	U	C23101136.D
1,2,4-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	U	U	C23101136.D
1,3-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101136.D
1,4-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101136.D
1,2-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	U	U	C23101136.D
1,2,4-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	U	U	C23101136.D
Naphthalene	9,901	1.00	0.800 <sup>g</sup>	U	U	C23101136.D
1,2,3-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	U	U	C23101136.D
2-Methylnaphthalene	9,901	1.00	0.760 <sup>g</sup>	U	U	C23101136.D
TPH C5-C8	9,901	1.00	0.590	U	U	C23101136.D
TPH C9-C15	9,901	1.00	0.690	U	U	C23101136.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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>	File ID
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**Lab ID:** 0007240-15      **Sample Name:** 05R\_SG\_15\_20231004

Vinyl Chloride	9,900	1.00	0.810	U	U	C23101137.D
1,1-Dichloroethene	9,900	1.00	0.330	U	U	C23101137.D
Methylene Chloride	9,900	1.00	0.350 <sup>g</sup>	U	U	C23101137.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,900	1.00	0.890 <sup>g</sup>	U	U	C23101137.D
trans-1,2-Dichloroethene	9,900	1.00	0.440	U	U	C23101137.D
Methyl-t-butyl ether	9,900	1.00	0.500 <sup>g</sup>	U	U	C23101137.D
1,1-Dichloroethane	9,900	1.00	0.850	U	U	C23101137.D
cis-1,2-Dichloroethene	9,900	1.00	0.530	U	U	C23101137.D
Chloroform	9,900	1.00	0.350 <sup>g</sup>	U	U	C23101137.D
1,2-Dichloroethane	9,900	1.00	0.560	U	U	C23101137.D
1,1,1-Trichloroethane	9,900	1.00	1.050	U	U	C23101137.D
Carbon Tetrachloride	9,900	1.00	0.430 <sup>g</sup>	U	U	C23101137.D
Benzene	9,900	1.00	0.530	U	U	C23101137.D
Trichloroethene	9,900	1.00	0.330	U	U	C23101137.D
1,4-Dioxane	9,900	1.00	0.410 <sup>g</sup>	U	U	C23101137.D
1,1,2-Trichloroethane	9,900	1.00	0.330 <sup>g</sup>	U	U	C23101137.D
Toluene	9,900	1.00	0.400	U	U	C23101137.D
1,2-Dibromoethane (EDB)	9,900	1.00	0.390 <sup>g</sup>	U	U	C23101137.D
Tetrachloroethene	9,900	1.00	0.410	14.51	3.57	C23101137.D
1,1,1,2-Tetrachloroethane	9,900	1.00	0.410 <sup>g</sup>	U	U	C23101137.D
Chlorobenzene	9,900	1.00	0.850 <sup>g</sup>	U	U	C23101137.D
Ethylbenzene	9,900	1.00	0.850	U	U	C23101137.D
p & m-Xylene	9,900	1.00	0.880	71.76	8.24	C23101137.D
o-Xylene	9,900	1.00	0.880	U	U	C23101137.D
1,2,3-Trichloropropane	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101137.D
Isopropylbenzene	9,900	1.00	0.830 <sup>g</sup>	U	U	C23101137.D
1,3,5-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	U	U	C23101137.D
1,2,4-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	U	U	C23101137.D
1,3-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101137.D
1,4-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101137.D
1,2-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	U	U	C23101137.D
1,2,4-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	U	U	C23101137.D
Naphthalene	9,900	1.00	0.800 <sup>g</sup>	U	U	C23101137.D
1,2,3-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	U	U	C23101137.D
2-Methylnaphthalene	9,900	1.00	0.760 <sup>g</sup>	U	U	C23101137.D
TPH C5-C8	9,900	1.00	0.590	U	U	C23101137.D
TPH C9-C15	9,900	1.00	0.690	U	U	C23101137.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:** 230920R08  
**Lab Work Order:** 0007240  
**Reported:** 10/19/2023

Calculations:

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

where: C = concentration ( $\mu\text{g}/\text{m}^3$ )  
M = mass (ng)  
DF = dilution factor  
t = sampling time (minutes)  
U = compound specific uptake rate

$U$  = 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  
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**Project Manager:** Jacob Krause

**Beacon Proposal:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-01

**Sample Name:** 05R\_SG\_01\_20231004

Vinyl Chloride	9,995	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,995	1.00	0.330	10.0	3.03
Methylene Chloride	9,995	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,995	1.00	0.890 <sup>g</sup>	10.0	1.12
trans-1,2-Dichloroethene	9,995	1.00	0.440	10.0	2.27
Methyl-t-butyl ether	9,995	1.00	0.500 <sup>g</sup>	25.0	5.00
1,1-Dichloroethane	9,995	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,995	1.00	0.530	10.0	1.89
Chloroform	9,995	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,995	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,995	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,995	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,995	1.00	0.530	25.0	4.72
Trichloroethene	9,995	1.00	0.330	10.0	3.03
1,4-Dioxane	9,995	1.00	0.410 <sup>g</sup>	10.0	2.44
1,1,2-Trichloroethane	9,995	1.00	0.330 <sup>g</sup>	10.0	3.03
Toluene	9,995	1.00	0.400	25.0	6.25
1,2-Dibromoethane (EDB)	9,995	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,995	1.00	0.410	10.0	2.44
1,1,1,2-Tetrachloroethane	9,995	1.00	0.410 <sup>g</sup>	10.0	2.44
Chlorobenzene	9,995	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,995	1.00	0.850	25.0	2.94
p & m-Xylene	9,995	1.00	0.880	25.0	2.84
o-Xylene	9,995	1.00	0.880	25.0	2.84
1,2,3-Trichloropropane	9,995	1.00	0.750 <sup>g</sup>	10.0	1.33
Isopropylbenzene	9,995	1.00	0.830 <sup>g</sup>	25.0	3.01
1,3,5-Trimethylbenzene	9,995	1.00	0.830 <sup>g</sup>	25.0	3.01
1,2,4-Trimethylbenzene	9,995	1.00	0.830 <sup>g</sup>	25.0	3.01
1,3-Dichlorobenzene	9,995	1.00	0.750 <sup>g</sup>	10.0	1.33
1,4-Dichlorobenzene	9,995	1.00	0.750 <sup>g</sup>	10.0	1.33
1,2-Dichlorobenzene	9,995	1.00	0.750 <sup>g</sup>	10.0	1.33
1,2,4-Trichlorobenzene	9,995	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,995	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,995	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,995	1.00	0.760 <sup>g</sup>	25.0	3.29
TPH C5-C8	9,995	1.00	0.590	5,000.0	848
TPH C9-C15	9,995	1.00	0.690	5,000.0	725

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-02      **Sample Name:** 05R\_SG\_02\_20231004

Vinyl Chloride	9,991	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,991	1.00	0.330	10.0	3.03
Methylene Chloride	9,991	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,991	1.00	0.890 <sup>g</sup>	10.0	1.12
trans-1,2-Dichloroethene	9,991	1.00	0.440	10.0	2.27
Methyl-t-butyl ether	9,991	1.00	0.500 <sup>g</sup>	25.0	5.00
1,1-Dichloroethane	9,991	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,991	1.00	0.530	10.0	1.89
Chloroform	9,991	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,991	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,991	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,991	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,991	1.00	0.530	25.0	4.72
Trichloroethene	9,991	1.00	0.330	10.0	3.03
1,4-Dioxane	9,991	1.00	0.410 <sup>g</sup>	10.0	2.44
1,1,2-Trichloroethane	9,991	1.00	0.330 <sup>g</sup>	10.0	3.03
Toluene	9,991	1.00	0.400	25.0	6.26
1,2-Dibromoethane (EDB)	9,991	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,991	1.00	0.410	10.0	2.44
1,1,1,2-Tetrachloroethane	9,991	1.00	0.410 <sup>g</sup>	10.0	2.44
Chlorobenzene	9,991	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,991	1.00	0.850	25.0	2.94
p & m-Xylene	9,991	1.00	0.880	25.0	2.84
o-Xylene	9,991	1.00	0.880	25.0	2.84
1,2,3-Trichloropropane	9,991	1.00	0.750 <sup>g</sup>	10.0	1.33
Isopropylbenzene	9,991	1.00	0.830 <sup>g</sup>	25.0	3.01
1,3,5-Trimethylbenzene	9,991	1.00	0.830 <sup>g</sup>	25.0	3.01
1,2,4-Trimethylbenzene	9,991	1.00	0.830 <sup>g</sup>	25.0	3.01
1,3-Dichlorobenzene	9,991	1.00	0.750 <sup>g</sup>	10.0	1.33
1,4-Dichlorobenzene	9,991	1.00	0.750 <sup>g</sup>	10.0	1.33
1,2-Dichlorobenzene	9,991	1.00	0.750 <sup>g</sup>	10.0	1.33
1,2,4-Trichlorobenzene	9,991	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,991	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,991	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,991	1.00	0.760 <sup>g</sup>	25.0	3.29
TPH C5-C8	9,991	1.00	0.590	5,000.0	848
TPH C9-C15	9,991	1.00	0.690	5,000.0	725



<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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**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 <sup>3</sup>
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**Lab ID:** 0007240-03      **Sample Name:** 05R\_SG\_03\_20231004

Vinyl Chloride	9,985	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,985	1.00	0.330	10.0	3.03
Methylene Chloride	9,985	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,985	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,985	1.00	0.440	10.0	2.28
Methyl-t-butyl ether	9,985	1.00	0.500 <sup>g</sup>	25.0	5.01
1,1-Dichloroethane	9,985	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,985	1.00	0.530	10.0	1.89
Chloroform	9,985	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,985	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,985	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,985	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,985	1.00	0.530	25.0	4.72
Trichloroethene	9,985	1.00	0.330	10.0	3.03
1,4-Dioxane	9,985	1.00	0.410 <sup>g</sup>	10.0	2.44
1,1,2-Trichloroethane	9,985	1.00	0.330 <sup>g</sup>	10.0	3.03
Toluene	9,985	1.00	0.400	25.0	6.26
1,2-Dibromoethane (EDB)	9,985	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,985	1.00	0.410	10.0	2.44
1,1,1,2-Tetrachloroethane	9,985	1.00	0.410 <sup>g</sup>	10.0	2.44
Chlorobenzene	9,985	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,985	1.00	0.850	25.0	2.95
p & m-Xylene	9,985	1.00	0.880	25.0	2.85
o-Xylene	9,985	1.00	0.880	25.0	2.85
1,2,3-Trichloropropane	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
Isopropylbenzene	9,985	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3,5-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	25.0	3.02
1,2,4-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
1,4-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2,4-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,985	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,985	1.00	0.760 <sup>g</sup>	25.0	3.29
TPH C5-C8	9,985	1.00	0.590	5,000.0	849
TPH C9-C15	9,985	1.00	0.690	5,000.0	726

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-04      **Sample Name:** 05R\_SG\_04\_20231004

Vinyl Chloride	9,985	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,985	1.00	0.330	10.0	3.03
Methylene Chloride	9,985	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,985	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,985	1.00	0.440	10.0	2.28
Methyl-t-butyl ether	9,985	1.00	0.500 <sup>g</sup>	25.0	5.01
1,1-Dichloroethane	9,985	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,985	1.00	0.530	10.0	1.89
Chloroform	9,985	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,985	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,985	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,985	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,985	1.00	0.530	25.0	4.72
Trichloroethene	9,985	1.00	0.330	10.0	3.03
1,4-Dioxane	9,985	1.00	0.410 <sup>g</sup>	10.0	2.44
1,1,2-Trichloroethane	9,985	1.00	0.330 <sup>g</sup>	10.0	3.03
Toluene	9,985	1.00	0.400	25.0	6.26
1,2-Dibromoethane (EDB)	9,985	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,985	1.00	0.410	10.0	2.44
1,1,1,2-Tetrachloroethane	9,985	1.00	0.410 <sup>g</sup>	10.0	2.44
Chlorobenzene	9,985	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,985	1.00	0.850	25.0	2.95
p & m-Xylene	9,985	1.00	0.880	25.0	2.85
o-Xylene	9,985	1.00	0.880	25.0	2.85
1,2,3-Trichloropropane	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
Isopropylbenzene	9,985	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3,5-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	25.0	3.02
1,2,4-Trimethylbenzene	9,985	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
1,4-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2-Dichlorobenzene	9,985	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2,4-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,985	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,985	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,985	1.00	0.760 <sup>g</sup>	25.0	3.29
TPH C5-C8	9,985	1.00	0.590	5,000.0	849
TPH C9-C15	9,985	1.00	0.690	5,000.0	726

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-05

**Sample Name:** 05R\_SG\_05\_20231004

Vinyl Chloride	9,980	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,980	1.00	0.330	10.0	3.04
Methylene Chloride	9,980	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,980	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,980	1.00	0.440	10.0	2.28
Methyl-t-butyl ether	9,980	1.00	0.500 <sup>g</sup>	25.0	5.01
1,1-Dichloroethane	9,980	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,980	1.00	0.530	10.0	1.89
Chloroform	9,980	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,980	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,980	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,980	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,980	1.00	0.530	25.0	4.73
Trichloroethene	9,980	1.00	0.330	10.0	3.04
1,4-Dioxane	9,980	1.00	0.410 <sup>g</sup>	10.0	2.44
1,1,2-Trichloroethane	9,980	1.00	0.330 <sup>g</sup>	10.0	3.04
Toluene	9,980	1.00	0.400	25.0	6.26
1,2-Dibromoethane (EDB)	9,980	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,980	1.00	0.410	10.0	2.44
1,1,1,2-Tetrachloroethane	9,980	1.00	0.410 <sup>g</sup>	10.0	2.44
Chlorobenzene	9,980	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,980	1.00	0.850	25.0	2.95
p & m-Xylene	9,980	1.00	0.880	25.0	2.85
o-Xylene	9,980	1.00	0.880	25.0	2.85
1,2,3-Trichloropropane	9,980	1.00	0.750 <sup>g</sup>	10.0	1.34
Isopropylbenzene	9,980	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3,5-Trimethylbenzene	9,980	1.00	0.830 <sup>g</sup>	25.0	3.02
1,2,4-Trimethylbenzene	9,980	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3-Dichlorobenzene	9,980	1.00	0.750 <sup>g</sup>	10.0	1.34
1,4-Dichlorobenzene	9,980	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2-Dichlorobenzene	9,980	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2,4-Trichlorobenzene	9,980	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,980	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,980	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,980	1.00	0.760 <sup>g</sup>	25.0	3.30
TPH C5-C8	9,980	1.00	0.590	5,000.0	849
TPH C9-C15	9,980	1.00	0.690	5,000.0	726

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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**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 <sup>3</sup>
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**Lab ID:** 0007240-06      **Sample Name:** 05R\_SG\_06\_20231004

Vinyl Chloride	9,974	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,974	1.00	0.330	10.0	3.04
Methylene Chloride	9,974	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,974	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,974	1.00	0.440	10.0	2.28
Methyl-t-butyl ether	9,974	1.00	0.500 <sup>g</sup>	25.0	5.01
1,1-Dichloroethane	9,974	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,974	1.00	0.530	10.0	1.89
Chloroform	9,974	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,974	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,974	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,974	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,974	1.00	0.530	25.0	4.73
Trichloroethene	9,974	1.00	0.330	10.0	3.04
1,4-Dioxane	9,974	1.00	0.410 <sup>g</sup>	10.0	2.45
1,1,2-Trichloroethane	9,974	1.00	0.330 <sup>g</sup>	10.0	3.04
Toluene	9,974	1.00	0.400	25.0	6.27
1,2-Dibromoethane (EDB)	9,974	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,974	1.00	0.410	10.0	2.45
1,1,1,2-Tetrachloroethane	9,974	1.00	0.410 <sup>g</sup>	10.0	2.45
Chlorobenzene	9,974	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,974	1.00	0.850	25.0	2.95
p & m-Xylene	9,974	1.00	0.880	25.0	2.85
o-Xylene	9,974	1.00	0.880	25.0	2.85
1,2,3-Trichloropropane	9,974	1.00	0.750 <sup>g</sup>	10.0	1.34
Isopropylbenzene	9,974	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3,5-Trimethylbenzene	9,974	1.00	0.830 <sup>g</sup>	25.0	3.02
1,2,4-Trimethylbenzene	9,974	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3-Dichlorobenzene	9,974	1.00	0.750 <sup>g</sup>	10.0	1.34
1,4-Dichlorobenzene	9,974	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2-Dichlorobenzene	9,974	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2,4-Trichlorobenzene	9,974	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,974	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,974	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,974	1.00	0.760 <sup>g</sup>	25.0	3.30
TPH C5-C8	9,974	1.00	0.590	5,000.0	850
TPH C9-C15	9,974	1.00	0.690	5,000.0	727

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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**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 <sup>3</sup>
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**Lab ID:** 0007240-07      **Sample Name:** 05R\_SG\_07\_20231004

Vinyl Chloride	9,973	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,973	1.00	0.330	10.0	3.04
Methylene Chloride	9,973	1.00	0.350 <sup>g</sup>	10.0	2.86
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,973	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,973	1.00	0.440	10.0	2.28
Methyl-t-butyl ether	9,973	1.00	0.500 <sup>g</sup>	25.0	5.01
1,1-Dichloroethane	9,973	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,973	1.00	0.530	10.0	1.89
Chloroform	9,973	1.00	0.350 <sup>g</sup>	10.0	2.86
1,2-Dichloroethane	9,973	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,973	1.00	1.050	10.0	0.95
Carbon Tetrachloride	9,973	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,973	1.00	0.530	25.0	4.73
Trichloroethene	9,973	1.00	0.330	10.0	3.04
1,4-Dioxane	9,973	1.00	0.410 <sup>g</sup>	10.0	2.45
1,1,2-Trichloroethane	9,973	1.00	0.330 <sup>g</sup>	10.0	3.04
Toluene	9,973	1.00	0.400	25.0	6.27
1,2-Dibromoethane (EDB)	9,973	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,973	1.00	0.410	10.0	2.45
1,1,1,2-Tetrachloroethane	9,973	1.00	0.410 <sup>g</sup>	10.0	2.45
Chlorobenzene	9,973	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,973	1.00	0.850	25.0	2.95
p & m-Xylene	9,973	1.00	0.880	25.0	2.85
o-Xylene	9,973	1.00	0.880	25.0	2.85
1,2,3-Trichloropropane	9,973	1.00	0.750 <sup>g</sup>	10.0	1.34
Isopropylbenzene	9,973	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3,5-Trimethylbenzene	9,973	1.00	0.830 <sup>g</sup>	25.0	3.02
1,2,4-Trimethylbenzene	9,973	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3-Dichlorobenzene	9,973	1.00	0.750 <sup>g</sup>	10.0	1.34
1,4-Dichlorobenzene	9,973	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2-Dichlorobenzene	9,973	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2,4-Trichlorobenzene	9,973	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,973	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,973	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,973	1.00	0.760 <sup>g</sup>	25.0	3.30
TPH C5-C8	9,973	1.00	0.590	5,000.0	850
TPH C9-C15	9,973	1.00	0.690	5,000.0	727

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-08

**Sample Name:** 05R\_SG\_08\_20231004

Vinyl Chloride	9,969	1.00	0.810	10.0	1.24
1,1-Dichloroethene	9,969	1.00	0.330	10.0	3.04
Methylene Chloride	9,969	1.00	0.350 <sup>g</sup>	10.0	2.87
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,969	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,969	1.00	0.440	10.0	2.28
Methyl-t-butyl ether	9,969	1.00	0.500 <sup>g</sup>	25.0	5.02
1,1-Dichloroethane	9,969	1.00	0.850	10.0	1.18
cis-1,2-Dichloroethene	9,969	1.00	0.530	10.0	1.89
Chloroform	9,969	1.00	0.350 <sup>g</sup>	10.0	2.87
1,2-Dichloroethane	9,969	1.00	0.560	10.0	1.79
1,1,1-Trichloroethane	9,969	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,969	1.00	0.430 <sup>g</sup>	10.0	2.33
Benzene	9,969	1.00	0.530	25.0	4.73
Trichloroethene	9,969	1.00	0.330	10.0	3.04
1,4-Dioxane	9,969	1.00	0.410 <sup>g</sup>	10.0	2.45
1,1,2-Trichloroethane	9,969	1.00	0.330 <sup>g</sup>	10.0	3.04
Toluene	9,969	1.00	0.400	25.0	6.27
1,2-Dibromoethane (EDB)	9,969	1.00	0.390 <sup>g</sup>	10.0	2.57
Tetrachloroethene	9,969	1.00	0.410	10.0	2.45
1,1,1,2-Tetrachloroethane	9,969	1.00	0.410 <sup>g</sup>	10.0	2.45
Chlorobenzene	9,969	1.00	0.850 <sup>g</sup>	10.0	1.18
Ethylbenzene	9,969	1.00	0.850	25.0	2.95
p & m-Xylene	9,969	1.00	0.880	25.0	2.85
o-Xylene	9,969	1.00	0.880	25.0	2.85
1,2,3-Trichloropropane	9,969	1.00	0.750 <sup>g</sup>	10.0	1.34
Isopropylbenzene	9,969	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3,5-Trimethylbenzene	9,969	1.00	0.830 <sup>g</sup>	25.0	3.02
1,2,4-Trimethylbenzene	9,969	1.00	0.830 <sup>g</sup>	25.0	3.02
1,3-Dichlorobenzene	9,969	1.00	0.750 <sup>g</sup>	10.0	1.34
1,4-Dichlorobenzene	9,969	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2-Dichlorobenzene	9,969	1.00	0.750 <sup>g</sup>	10.0	1.34
1,2,4-Trichlorobenzene	9,969	1.00	0.390 <sup>g</sup>	10.0	2.57
Naphthalene	9,969	1.00	0.800 <sup>g</sup>	25.0	3.13
1,2,3-Trichlorobenzene	9,969	1.00	0.390 <sup>g</sup>	10.0	2.57
2-Methylnaphthalene	9,969	1.00	0.760 <sup>g</sup>	25.0	3.30
TPH C5-C8	9,969	1.00	0.590	5,000.0	850
TPH C9-C15	9,969	1.00	0.690	5,000.0	727

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-09

**Sample Name:** 05R\_SG\_09\_20231004

Vinyl Chloride	9,904	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,904	1.00	0.330	10.0	3.06
Methylene Chloride	9,904	1.00	0.350 <sup>g</sup>	10.0	2.88
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,904	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,904	1.00	0.440	10.0	2.29
Methyl-t-butyl ether	9,904	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,904	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,904	1.00	0.530	10.0	1.91
Chloroform	9,904	1.00	0.350 <sup>g</sup>	10.0	2.88
1,2-Dichloroethane	9,904	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,904	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,904	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,904	1.00	0.530	25.0	4.76
Trichloroethene	9,904	1.00	0.330	10.0	3.06
1,4-Dioxane	9,904	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,904	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,904	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,904	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,904	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,904	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,904	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,904	1.00	0.850	25.0	2.97
p & m-Xylene	9,904	1.00	0.880	25.0	2.87
o-Xylene	9,904	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,904	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,904	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,904	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,904	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,904	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,904	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,904	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,904	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,904	1.00	0.800 <sup>g</sup>	25.0	3.16
1,2,3-Trichlorobenzene	9,904	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,904	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,904	1.00	0.590	5,000.0	856
TPH C9-C15	9,904	1.00	0.690	5,000.0	732

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-10      **Sample Name:** 05R\_SG\_10\_20231004

Vinyl Chloride	9,905	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,905	1.00	0.330	10.0	3.06
Methylene Chloride	9,905	1.00	0.350 <sup>g</sup>	10.0	2.88
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,905	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,905	1.00	0.440	10.0	2.29
Methyl-t-butyl ether	9,905	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,905	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,905	1.00	0.530	10.0	1.90
Chloroform	9,905	1.00	0.350 <sup>g</sup>	10.0	2.88
1,2-Dichloroethane	9,905	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,905	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,905	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,905	1.00	0.530	25.0	4.76
Trichloroethene	9,905	1.00	0.330	10.0	3.06
1,4-Dioxane	9,905	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,905	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,905	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,905	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,905	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,905	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,905	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,905	1.00	0.850	25.0	2.97
p & m-Xylene	9,905	1.00	0.880	25.0	2.87
o-Xylene	9,905	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,905	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,905	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,905	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,905	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,905	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,905	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,905	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,905	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,905	1.00	0.800 <sup>g</sup>	25.0	3.15
1,2,3-Trichlorobenzene	9,905	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,905	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,905	1.00	0.590	5,000.0	856
TPH C9-C15	9,905	1.00	0.690	5,000.0	732



**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-11

**Sample Name:** 05R\_SG\_11\_20231004

Vinyl Chloride	9,902	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,902	1.00	0.330	10.0	3.06
Methylene Chloride	9,902	1.00	0.350 <sup>g</sup>	10.0	2.89
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,902	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,902	1.00	0.440	10.0	2.30
Methyl-t-butyl ether	9,902	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,902	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,902	1.00	0.530	10.0	1.91
Chloroform	9,902	1.00	0.350 <sup>g</sup>	10.0	2.89
1,2-Dichloroethane	9,902	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,902	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,902	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,902	1.00	0.530	25.0	4.76
Trichloroethene	9,902	1.00	0.330	10.0	3.06
1,4-Dioxane	9,902	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,902	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,902	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,902	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,902	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,902	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,902	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,902	1.00	0.850	25.0	2.97
p & m-Xylene	9,902	1.00	0.880	25.0	2.87
o-Xylene	9,902	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,902	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,902	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,902	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,902	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,902	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,902	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,902	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,902	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,902	1.00	0.800 <sup>g</sup>	25.0	3.16
1,2,3-Trichlorobenzene	9,902	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,902	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,902	1.00	0.590	5,000.0	856
TPH C9-C15	9,902	1.00	0.690	5,000.0	732

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-12

**Sample Name:** 05R\_SG\_12\_20231004

Vinyl Chloride	9,900	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,900	1.00	0.330	10.0	3.06
Methylene Chloride	9,900	1.00	0.350 <sup>g</sup>	10.0	2.89
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,900	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,900	1.00	0.440	10.0	2.30
Methyl-t-butyl ether	9,900	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,900	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,900	1.00	0.530	10.0	1.91
Chloroform	9,900	1.00	0.350 <sup>g</sup>	10.0	2.89
1,2-Dichloroethane	9,900	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,900	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,900	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,900	1.00	0.530	25.0	4.76
Trichloroethene	9,900	1.00	0.330	10.0	3.06
1,4-Dioxane	9,900	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,900	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,900	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,900	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,900	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,900	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,900	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,900	1.00	0.850	25.0	2.97
p & m-Xylene	9,900	1.00	0.880	25.0	2.87
o-Xylene	9,900	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,900	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,900	1.00	0.800 <sup>g</sup>	25.0	3.16
1,2,3-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,900	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,900	1.00	0.590	5,000.0	856
TPH C9-C15	9,900	1.00	0.690	5,000.0	732

**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:** 230920R08  
**Lab Work Order:** 0007240  
**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 <sup>3</sup>
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**Lab ID:** 0007240-13

**Sample Name:** 05R\_SG\_13\_20231004

Vinyl Chloride	9,901	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,901	1.00	0.330	10.0	3.06
Methylene Chloride	9,901	1.00	0.350 <sup>g</sup>	10.0	2.89
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,901	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,901	1.00	0.440	10.0	2.30
Methyl-t-butyl ether	9,901	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,901	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,901	1.00	0.530	10.0	1.91
Chloroform	9,901	1.00	0.350 <sup>g</sup>	10.0	2.89
1,2-Dichloroethane	9,901	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,901	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,901	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,901	1.00	0.530	25.0	4.76
Trichloroethene	9,901	1.00	0.330	10.0	3.06
1,4-Dioxane	9,901	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,901	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,901	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,901	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,901	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,901	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,901	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,901	1.00	0.850	25.0	2.97
p & m-Xylene	9,901	1.00	0.880	25.0	2.87
o-Xylene	9,901	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,901	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,901	1.00	0.800 <sup>g</sup>	25.0	3.16
1,2,3-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,901	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,901	1.00	0.590	5,000.0	856
TPH C9-C15	9,901	1.00	0.690	5,000.0	732

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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**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 <sup>3</sup>
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**Lab ID:** 0007240-14      **Sample Name:** 05R\_SG\_14\_20231004

Vinyl Chloride	9,901	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,901	1.00	0.330	10.0	3.06
Methylene Chloride	9,901	1.00	0.350 <sup>g</sup>	10.0	2.89
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,901	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,901	1.00	0.440	10.0	2.30
Methyl-t-butyl ether	9,901	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,901	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,901	1.00	0.530	10.0	1.91
Chloroform	9,901	1.00	0.350 <sup>g</sup>	10.0	2.89
1,2-Dichloroethane	9,901	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,901	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,901	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,901	1.00	0.530	25.0	4.76
Trichloroethene	9,901	1.00	0.330	10.0	3.06
1,4-Dioxane	9,901	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,901	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,901	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,901	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,901	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,901	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,901	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,901	1.00	0.850	25.0	2.97
p & m-Xylene	9,901	1.00	0.880	25.0	2.87
o-Xylene	9,901	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,901	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,901	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,901	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,901	1.00	0.800 <sup>g</sup>	25.0	3.16
1,2,3-Trichlorobenzene	9,901	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,901	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,901	1.00	0.590	5,000.0	856
TPH C9-C15	9,901	1.00	0.690	5,000.0	732

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R08 <b>Lab Work Order:</b> 0007240 <b>Reported:</b> 10/19/2023
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**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 <sup>3</sup>
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**Lab ID:** 0007240-15      **Sample Name:** 05R\_SG\_15\_20231004

Vinyl Chloride	9,900	1.00	0.810	10.0	1.25
1,1-Dichloroethene	9,900	1.00	0.330	10.0	3.06
Methylene Chloride	9,900	1.00	0.350 <sup>g</sup>	10.0	2.89
1,1,2-Trichlorotrifluoroethane (Fr.113)	9,900	1.00	0.890 <sup>g</sup>	10.0	1.13
trans-1,2-Dichloroethene	9,900	1.00	0.440	10.0	2.30
Methyl-t-butyl ether	9,900	1.00	0.500 <sup>g</sup>	25.0	5.05
1,1-Dichloroethane	9,900	1.00	0.850	10.0	1.19
cis-1,2-Dichloroethene	9,900	1.00	0.530	10.0	1.91
Chloroform	9,900	1.00	0.350 <sup>g</sup>	10.0	2.89
1,2-Dichloroethane	9,900	1.00	0.560	10.0	1.80
1,1,1-Trichloroethane	9,900	1.00	1.050	10.0	0.96
Carbon Tetrachloride	9,900	1.00	0.430 <sup>g</sup>	10.0	2.35
Benzene	9,900	1.00	0.530	25.0	4.76
Trichloroethene	9,900	1.00	0.330	10.0	3.06
1,4-Dioxane	9,900	1.00	0.410 <sup>g</sup>	10.0	2.46
1,1,2-Trichloroethane	9,900	1.00	0.330 <sup>g</sup>	10.0	3.06
Toluene	9,900	1.00	0.400	25.0	6.31
1,2-Dibromoethane (EDB)	9,900	1.00	0.390 <sup>g</sup>	10.0	2.59
Tetrachloroethene	9,900	1.00	0.410	10.0	2.46
1,1,1,2-Tetrachloroethane	9,900	1.00	0.410 <sup>g</sup>	10.0	2.46
Chlorobenzene	9,900	1.00	0.850 <sup>g</sup>	10.0	1.19
Ethylbenzene	9,900	1.00	0.850	25.0	2.97
p & m-Xylene	9,900	1.00	0.880	25.0	2.87
o-Xylene	9,900	1.00	0.880	25.0	2.87
1,2,3-Trichloropropane	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
Isopropylbenzene	9,900	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3,5-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	25.0	3.04
1,2,4-Trimethylbenzene	9,900	1.00	0.830 <sup>g</sup>	25.0	3.04
1,3-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
1,4-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2-Dichlorobenzene	9,900	1.00	0.750 <sup>g</sup>	10.0	1.35
1,2,4-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	10.0	2.59
Naphthalene	9,900	1.00	0.800 <sup>g</sup>	25.0	3.16
1,2,3-Trichlorobenzene	9,900	1.00	0.390 <sup>g</sup>	10.0	2.59
2-Methylnaphthalene	9,900	1.00	0.760 <sup>g</sup>	25.0	3.32
TPH C5-C8	9,900	1.00	0.590	5,000.0	856
TPH C9-C15	9,900	1.00	0.690	5,000.0	732

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:** 230920R08  
**Lab Work Order:** 0007240  
**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  
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**Lab Work Order:** 0007240  
**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 $\pm 0.06$ control limits)
$3\sigma$	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

**SCS Engineers**  
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**Lab Work Order:** 0007240  
**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)
05R-SG-01-20231004	9-27-23	1155	10-4-23	1030	12"/30"	Soil/grass	full voc list requested
05R-SG-02-20231004		1200		1031			
05R-SG-03-20231004		1210		1035			
05R-SG-04-20231004		1215		1040			
05R-SG-05-20231004		1222		1042			
05R-SG-06-20231004		1232		1046			
05R-SG-07-20231004		1236		1049			
05R-SG-08-20231004		1242		1051			
05R-SG-09-20231004		1302		1006			
05R-SG-10-20231004		1305		1010			
05R-SG-11-20231004		1310		1012			
05R-SG-12-20231004		1315		1015			
05R-SG-13-20231004		1318		1019			
05R-SG-14-20231004		1321		1022			
05R-SG-15-20231004		1324		1024			
Special Instructions:							
Relinquished by (signature): <i>Jim Rene</i>		Date / Time: 10-6 1100		Received by (signature): <i>Nicole Ruff</i>		Date / Time: 10/10/23 10:20	
Relinquished by (signature):		Date / Time:		Received by (signature):		Date / Time:	
<b>For Lab Use Only</b>		Beacon Job No: 7240		Beacon Proposal: 230920R04 ROB		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:

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Steven C. Thornley  
Laboratory Director

---

Peter B. Kelly  
Quality Manager

# Table of Contents

Cover Page	1
Sample Summary	4
Case Narrative	5
Analytical Results	6
Summary of Compound Detections	7
Data Summary Table	9
Detailed Analytical Results	10
0007241-01 - 05R_SSG_01_20231004	11
0007241-02 - 05R_SSG_02_20231004	12
0007241-03 - 05R_SSG_03_20231004	13
0007241-04 - 05R_SSG_04_20231004	14
0007241-05 - 05R_SSG_05_20231004	15
0007241-06 - 05C_IAB_01_20231003	16
0007241-07 - 05C_IA1_02_20231003	17
0007241-08 - 05C_Sump_01_20231003	18
0007241-09 - 05C_OA_01_20231003	19
0007241-10 - 05D_IAB_03_20231003	20
0007241-11 - 05D_IA1_04_20231003	21
0007241-12 - 05D_Sump_02_20231003	22
0007241-13 - 05D_OA_02_20231003	23
0007241-14 - 05E_IAB_05_20231003	24
0007241-15 - 05E_IA1_06_20231003	25
QC Summaries	26
Additional QC Information	37
Sample Result Calculations	38

## Table of Contents (continued)

Equation	45
LOD/MRL Calculation Table	46
Certifications	53
Notes and Definitions	54
Sample Management Records	55
Chain of Custody	56

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  
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

### *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	<b>05R_SSG_02_20231004</b>	Method: TO-17 (Passive)
Sewer Gas		

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

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

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

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

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



**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

### *Summary of Compound Detections- Concentration*

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

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

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
<b>Benzene</b>	71-43-2	<b>21.9</b>		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
<b>1,4-Dioxane</b>	123-91-1	<b>44.2</b>		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
<b>Naphthalene</b>	91-20-3	<b>0.777</b>	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 <b>TPH C9-C15</b>		<b>1,590</b>		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/m <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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
<b>Chloroform</b>	67-66-3	<b>1.94</b>	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
<b>Tetrachloroethene</b>	127-18-4	<b>1.48</b>	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
<b>Chloroform</b>	67-66-3	<b>2.36</b>	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
<b>Benzene</b>	71-43-2	<b>4.19</b>	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
<b>1,4-Dioxane</b>	123-91-1	<b>13.9</b>	J	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 <b>TPH C9-C15</b>		<b>823</b>	J	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

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007241-05	<b>05R_SSG_05_20231004</b>	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
<b>cis-1,2-Dichloroethene</b>	156-59-2	<b>6.88</b>		0.939	1.88	10/12/2023 16:32	Kb23101211.D
<b>Chloroform</b>	67-66-3	<b>4.55</b>		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
<b>Benzene</b>	71-43-2	<b>3.06</b>	J	1.88	4.69	10/12/2023 16:32	Kb23101211.D
<b>Trichloroethene</b>	79-01-6	<b>24.2</b>		1.51	3.02	10/12/2023 16:32	Kb23101211.D
<b>1,4-Dioxane</b>	123-91-1	<b>3.21</b>		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
<b>Tetrachloroethene</b>	127-18-4	<b>273</b>		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 <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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 <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007241-08	<b>05C_Sump_01_20231003</b>	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	<0.604	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 <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007241-10	<b>05D_IAB_03_20231003</b>	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	<0.613	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

**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: 0007241-11

**05D\_IA1\_04\_20231003**

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 10/19/2023
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Lab Sample ID: 0007241-12	<b>05D_Sump_02_20231003</b>	Method: TO-17 (Passive)
Indoor Air		

Analyte	CAS#	Result (µg/m <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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**  
 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: 0007241-13

**05D\_OA\_02\_20231003**

Method: TO-17 (Passive)

Ambient Air

Analyte	CAS#	Result (µg/m <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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**  
 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: 0007241-14

**05E\_IAB\_05\_20231003**

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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  
 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: 0007241-15

**05E\_IA1\_06\_20231003**

Method: TO-17 (Passive)

Indoor Air

Analyte	CAS#	Result (µg/m <sup>3</sup> )	Q	LOD (µg/m <sup>3</sup> )	LOQ (µg/m <sup>3</sup> )	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

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**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

*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>			

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

*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
Surrogate: 1,2-DCA-d4	99.6			ng	100		99.6	70-130			
Surrogate: Toluene-d8	107			ng	100		107	70-130			
Surrogate: Bromofluorobenzene	97.4			ng	100		97.4	70-130			

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



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

*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>			

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 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: 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
Surrogate: 1,2-DCA-d4	98.5			ng	100		98.5	70-130			
Surrogate: Toluene-d8	103			ng	100		103	70-130			
Surrogate: Bromofluorobenzene	100			ng	100		100	70-130			

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

**LCS: 23J0032-BS1 File ID: Ka23101202.D**

Analyzed: 10/12/23 10:50

**LCSD: B23J033-ICV1 File ID: Ka23101204.D**

Analyzed: 10/12/23 10:00

Analyte	CAS#	LCS Result (ng)	%REC Q	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 <sup>3</sup>	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 <sup>g</sup>	U	U	Kb23101207.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,065	1.00	0.893 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101207.D
1,1,2-Trichloroethane	10,065	1.00	0.331 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101207.D
Chlorobenzene	10,065	1.00	0.852 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101207.D
Isopropylbenzene	10,065	1.00	0.832 <sup>g</sup>	U	U	Kb23101207.D
1,3,5-Trimethylbenzene	10,065	1.00	0.832 <sup>g</sup>	U	U	Kb23101207.D
1,2,4-Trimethylbenzene	10,065	1.00	0.832 <sup>g</sup>	U	U	Kb23101207.D
1,3-Dichlorobenzene	10,065	1.00	0.752 <sup>g</sup>	U	U	Kb23101207.D
1,4-Dichlorobenzene	10,065	1.00	0.752 <sup>g</sup>	U	U	Kb23101207.D
1,2-Dichlorobenzene	10,065	1.00	0.752 <sup>g</sup>	U	U	Kb23101207.D
1,2,4-Trichlorobenzene	10,065	1.00	0.391 <sup>g</sup>	U	U	Kb23101207.D
Naphthalene	10,065	1.00	0.802 <sup>g</sup>	U	U	Kb23101207.D
1,2,3-Trichlorobenzene	10,065	1.00	0.391 <sup>g</sup>	U	U	Kb23101207.D
2-Methylnaphthalene	10,065	1.00	0.762 <sup>g</sup>	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

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 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 <sup>3</sup>	File ID
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<b>Lab ID:</b> 0007241-02	<b>Sample Name:</b> 05R_SSG_02_20231004	<b>̄ Temp (°C):</b> 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 <sup>g</sup>	U	U	Kb23101208.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,046	1.00	0.893 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	182.49	44.2	Kb23101208.D
1,1,2-Trichloroethane	10,046	1.00	0.331 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101208.D
Chlorobenzene	10,046	1.00	0.852 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101208.D
Isopropylbenzene	10,046	1.00	0.832 <sup>g</sup>	U	U	Kb23101208.D
1,3,5-Trimethylbenzene	10,046	1.00	0.832 <sup>g</sup>	U	U	Kb23101208.D
1,2,4-Trimethylbenzene	10,046	1.00	0.832 <sup>g</sup>	U	U	Kb23101208.D
1,3-Dichlorobenzene	10,046	1.00	0.752 <sup>g</sup>	U	U	Kb23101208.D
1,4-Dichlorobenzene	10,046	1.00	0.752 <sup>g</sup>	U	U	Kb23101208.D
1,2-Dichlorobenzene	10,046	1.00	0.752 <sup>g</sup>	U	U	Kb23101208.D
1,2,4-Trichlorobenzene	10,046	1.00	0.391 <sup>g</sup>	U	U	Kb23101208.D
Naphthalene	10,046	1.00	0.802 <sup>g</sup>	6.26	0.777	Kb23101208.D
1,2,3-Trichlorobenzene	10,046	1.00	0.391 <sup>g</sup>	U	U	Kb23101208.D
2-Methylnaphthalene	10,046	1.00	0.762 <sup>g</sup>	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

**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 <sup>3</sup>	File ID
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**Lab ID:** 0007241-03      **Sample Name:** 05R\_SSG\_03\_20231004      **̄ Temp (°C):** 18.33

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 <sup>g</sup>	U	U	Kb23101209.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,030	1.00	0.893 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101209.D
1,1,2-Trichloroethane	10,030	1.00	0.331 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101209.D
Chlorobenzene	10,030	1.00	0.852 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101209.D
Isopropylbenzene	10,030	1.00	0.832 <sup>g</sup>	U	U	Kb23101209.D
1,3,5-Trimethylbenzene	10,030	1.00	0.832 <sup>g</sup>	U	U	Kb23101209.D
1,2,4-Trimethylbenzene	10,030	1.00	0.832 <sup>g</sup>	U	U	Kb23101209.D
1,3-Dichlorobenzene	10,030	1.00	0.752 <sup>g</sup>	U	U	Kb23101209.D
1,4-Dichlorobenzene	10,030	1.00	0.752 <sup>g</sup>	U	U	Kb23101209.D
1,2-Dichlorobenzene	10,030	1.00	0.752 <sup>g</sup>	U	U	Kb23101209.D
1,2,4-Trichlorobenzene	10,030	1.00	0.391 <sup>g</sup>	U	U	Kb23101209.D
Naphthalene	10,030	1.00	0.802 <sup>g</sup>	U	U	Kb23101209.D
1,2,3-Trichlorobenzene	10,030	1.00	0.391 <sup>g</sup>	U	U	Kb23101209.D
2-Methylnaphthalene	10,030	1.00	0.762 <sup>g</sup>	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 <sup>3</sup>	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 <sup>g</sup>	U	U	Kb23101210.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,022	1.00	0.893 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	57.38	13.9	Kb23101210.D
1,1,2-Trichloroethane	10,022	1.00	0.331 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101210.D
Chlorobenzene	10,022	1.00	0.852 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101210.D
Isopropylbenzene	10,022	1.00	0.832 <sup>g</sup>	U	U	Kb23101210.D
1,3,5-Trimethylbenzene	10,022	1.00	0.832 <sup>g</sup>	U	U	Kb23101210.D
1,2,4-Trimethylbenzene	10,022	1.00	0.832 <sup>g</sup>	U	U	Kb23101210.D
1,3-Dichlorobenzene	10,022	1.00	0.752 <sup>g</sup>	U	U	Kb23101210.D
1,4-Dichlorobenzene	10,022	1.00	0.752 <sup>g</sup>	U	U	Kb23101210.D
1,2-Dichlorobenzene	10,022	1.00	0.752 <sup>g</sup>	U	U	Kb23101210.D
1,2,4-Trichlorobenzene	10,022	1.00	0.391 <sup>g</sup>	U	U	Kb23101210.D
Naphthalene	10,022	1.00	0.802 <sup>g</sup>	U	U	Kb23101210.D
1,2,3-Trichlorobenzene	10,022	1.00	0.391 <sup>g</sup>	U	U	Kb23101210.D
2-Methylnaphthalene	10,022	1.00	0.762 <sup>g</sup>	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

**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 <sup>3</sup>	File ID
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**Lab ID:** 0007241-05      **Sample Name:** 05R\_SSG\_05\_20231004      **̄ Temp (°C):** 18.33

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 <sup>g</sup>	U	U	Kb23101211.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,019	1.00	0.893 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	13.23	3.21	Kb23101211.D
1,1,2-Trichloroethane	10,019	1.00	0.331 <sup>g</sup>	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 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101211.D
Chlorobenzene	10,019	1.00	0.852 <sup>g</sup>	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 <sup>g</sup>	U	U	Kb23101211.D
Isopropylbenzene	10,019	1.00	0.832 <sup>g</sup>	U	U	Kb23101211.D
1,3,5-Trimethylbenzene	10,019	1.00	0.832 <sup>g</sup>	U	U	Kb23101211.D
1,2,4-Trimethylbenzene	10,019	1.00	0.832 <sup>g</sup>	U	U	Kb23101211.D
1,3-Dichlorobenzene	10,019	1.00	0.752 <sup>g</sup>	U	U	Kb23101211.D
1,4-Dichlorobenzene	10,019	1.00	0.752 <sup>g</sup>	U	U	Kb23101211.D
1,2-Dichlorobenzene	10,019	1.00	0.752 <sup>g</sup>	U	U	Kb23101211.D
1,2,4-Trichlorobenzene	10,019	1.00	0.391 <sup>g</sup>	U	U	Kb23101211.D
Naphthalene	10,019	1.00	0.802 <sup>g</sup>	U	U	Kb23101211.D
1,2,3-Trichlorobenzene	10,019	1.00	0.391 <sup>g</sup>	U	U	Kb23101211.D
2-Methylnaphthalene	10,019	1.00	0.762 <sup>g</sup>	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 <sup>3</sup>	File ID
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<b>Lab ID:</b> 0007241-06	<b>Sample Name:</b> 05C_IAB_01_20231003	<b>̄ Temp (°C):</b> 18.33
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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

<b>Lab ID:</b> 0007241-07	<b>Sample Name:</b> 05C_IA1_02_20231003	<b>̄ Temp (°C):</b> 18.33
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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

<b>Lab ID:</b> 0007241-08	<b>Sample Name:</b> 05C_Sump_01_20231003	<b>̄ Temp (°C):</b> 18.33
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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

<b>Lab ID:</b> 0007241-09	<b>Sample Name:</b> 05C_OA_01_20231003	<b>̄ Temp (°C):</b> 18.33
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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

<b>Lab ID:</b> 0007241-10	<b>Sample Name:</b> 05D_IAB_03_20231003	<b>̄ Temp (°C):</b> 18.33
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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

**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 <sup>3</sup>	File ID
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**Lab ID: 0007241-11      Sample Name: 05D\_IA1\_04\_20231003       $\bar{X}$  Temp (°C): 18.33**

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       $\bar{X}$  Temp (°C): 18.33**

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       $\bar{X}$  Temp (°C): 18.33**

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       $\bar{X}$  Temp (°C): 18.33**

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       $\bar{X}$  Temp (°C): 18.33**

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<sub>c</sub> = uptake rate (ml/min), corrected  
t = sampling time (minutes)  
U = compound specific uptake rate  
T<sub>u</sub> = uptake rate study temperature  
T<sub>s</sub> = sample average temperature

**Note:** T<sub>u</sub> 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

**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

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

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

<b>Lab ID:</b> 0007241-02	<b>Sample Name:</b> 05R_SSG_02_20231004	<b>̄ Temp (°C):</b> 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



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

<b>Lab ID:</b> 0007241-03	<b>Sample Name:</b> 05R_SSG_03_20231004	<b>̄ Temp (°C):</b> 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 <sup>§</sup>	10.00	5.00	2.84	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	10,030	1.00	0.893 <sup>§</sup>	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 <sup>§</sup>	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 <sup>§</sup>	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 <sup>§</sup>	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 <sup>§</sup>	10.00	5.00	2.42	1.21
1,1,2-Trichloroethane	10,030	1.00	0.331 <sup>§</sup>	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 <sup>§</sup>	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 <sup>§</sup>	10.00	5.00	2.42	1.21
Chlorobenzene	10,030	1.00	0.852 <sup>§</sup>	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 <sup>§</sup>	10.00	5.00	1.33	0.663
Isopropylbenzene	10,030	1.00	0.832 <sup>§</sup>	25.00	10.00	2.99	1.20
1,3,5-Trimethylbenzene	10,030	1.00	0.832 <sup>§</sup>	25.00	10.00	2.99	1.20
1,2,4-Trimethylbenzene	10,030	1.00	0.832 <sup>§</sup>	25.00	10.00	2.99	1.20
1,3-Dichlorobenzene	10,030	1.00	0.752 <sup>§</sup>	10.00	5.00	1.33	0.663
1,4-Dichlorobenzene	10,030	1.00	0.752 <sup>§</sup>	10.00	5.00	1.33	0.663
1,2-Dichlorobenzene	10,030	1.00	0.752 <sup>§</sup>	10.00	5.00	1.33	0.663
1,2,4-Trichlorobenzene	10,030	1.00	0.391 <sup>§</sup>	10.00	5.00	2.55	1.27
Naphthalene	10,030	1.00	0.802 <sup>§</sup>	25.00	5.00	3.11	0.621
1,2,3-Trichlorobenzene	10,030	1.00	0.391 <sup>§</sup>	10.00	5.00	2.55	1.27
2-Methylnaphthalene	10,030	1.00	0.762 <sup>§</sup>	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

**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

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

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

<b>Lab ID:</b> 0007241-06		<b>Sample Name:</b> 05C_IAB_01_20231003				<b>̄ Temp (°C):</b> 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

<b>Lab ID:</b> 0007241-07		<b>Sample Name:</b> 05C_IA1_02_20231003				<b>̄ Temp (°C):</b> 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

<b>Lab ID:</b> 0007241-08		<b>Sample Name:</b> 05C_Sump_01_20231003				<b>̄ Temp (°C):</b> 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

<b>Lab ID:</b> 0007241-09		<b>Sample Name:</b> 05C_OA_01_20231003				<b>̄ Temp (°C):</b> 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

<b>Lab ID:</b> 0007241-10		<b>Sample Name:</b> 05D_IAB_03_20231003				<b>̄ Temp (°C):</b> 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

<b>Lab ID:</b> 0007241-11		<b>Sample Name:</b> 05D_IA1_04_20231003				<b>̄ Temp (°C):</b> 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

<b>SCS Engineers</b> 2830 Dairy Drive Madison, WI 53718-6751	<b>Site Name:</b> Badger Lease and Auto Sales <b>Site Location:</b> West Allis, WI <b>Project Manager:</b> Jacob Krause	<b>Beacon Proposal:</b> 230920R05 <b>Lab Work Order:</b> 0007241 <b>Reported:</b> 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 $\pm 0.06$ control limits)
$3\sigma$	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*



<b>Client Information</b>		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 &amp; 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:			
<b>For Lab Use Only</b>		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> <del><i>57722548</i></del> <i>10/10/23</i>			

*see pg. 2 →*

<b>Client Information</b>		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 &amp; 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:		Email:						
Phone: <i>608 224 2830</i>										
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>					